



Precision Liquid Fertilizer Systems

where precision meets the soil...

**ROBUST,
RELIABLE,
WORKS
BECAUSE
IT'S SIMPLE**



REV.09202021.v1

2024 PARTS CATALOG



GX Electric Pump(s) Series

GX30 Variable Rate

GX3 Low Volume

GX40 Synergist Nano Tech



**GX5 Hydraulic Series
GX5 Liquid Fertilizer Pesticide**

**GX50 N-Fuse HP Electric
GX50 LFP Gas
GX50 Visio Lite - Transfer Solution**

GX7 Row By Row Monitoring

GX Series Manifold Solution(s)



**GX12 Injection Series
GX12HP Revolution Injector**

GX Stainless Steel Tubes

**GX20 Dry Treat - Multi Product
GX20HP - LFP Product add-on**

GX Tanks

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Go beyond expectations with AgXcel!

PRECISION AG



WHEN PRECISION MATTERS...

SEAMLESS INTEGRATION INTO

- Green Star
- Ag Leader
- Trimble
- Raven
- Micro-Trak
- Manual Rate Controller



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PRECISION LIQUID FERTILIZER SYSTEMS

designed for planters, drills,

strip till machines, cultivators, & sprayers

- COMPLETE CUSTOM MANIFOLD SETUPS
- COMPLETE CUSTOM TANKS & BRACKETS
- APPLICATORS: SS TUBES & REBOUNDERS
- DRY FERTILIZER TREATERS



This is a collection of our most common parts for our GX series of liquid fertilizer application systems. Our systems are customized for our customers needs so if you do not see the particular part you are looking for please contact our Sales Team for assistance.

We look forward to being of service to you and all your fertilizer application needs.

Team Agxcel

Look out for QR codes throughout our catalog to jump directly to our corresponding YouTube information page. Here's one! Give it a try!



REV:09202021.v1

Quick,
Easy,
Accurate
Fertilizer Kits
You Build Yourself!

DIY
AG SYSTEMS



Kit Includes: One 4# check valve per row, ORS Pipe manifolds or Wilger Floating ball manifolds, 3 sets of orifices, 2 filters with 50 and 80 mesh screens, all hose & tubing needed, 1 pump on 4 - 12 row systems, dual pumps on 16 - 64 row planters or drills, 1 ball valve kit, wiring harness with weather pack fittings, 0-60 PSI SS remote gauge kit, run- hold switch w/magnetic mount, manual rate controller with 1 yr warranty and reverse polarity protection.

Not included: Rebounders, Y- Not Split-It kits, mounting brackets for system, wilger visual or ors mounting brackets, harness extensions, OEM integrations kits, taxes or shipping and handling.



NEW

UBuild It System Kits

FERTILIZER APPLICATION SYSTEM

ROWS	PN#	ORS OPTION	PN#	WILGER OPTION
4R	19784	SINGLE PUMP	56161	SINGLE PUMP
6R	19786	SINGLE PUMP	56162	SINGLE PUMP
8R	19788	SINGLE PUMP	56163	SINGLE PUMP
	19956	DUAL PUMP	56170	DUAL PUMP
12R	19791	SINGLE PUMP	56164	SINGLE PUMP
	19792	DUAL PUMP	56169	DUAL PUMP
16R	19795	SINGLE PUMP	56165	SINGLE PUMP
	19794	DUAL PUMP	56168	DUAL PUMP
24R	19798	SINGLE PUMP	56166	SINGLE PUMP
	19797	DUAL PUMP	56167	DUAL PUMP
32R	19800	DUAL PUMP	19945	DUAL PUMP
36R	19802	DUAL PUMP	19927	DUAL PUMP
48R	19804	DUAL PUMP	19928	DUAL PUMP
64R	19805	DUAL PUMP	19940	DUAL PUMP



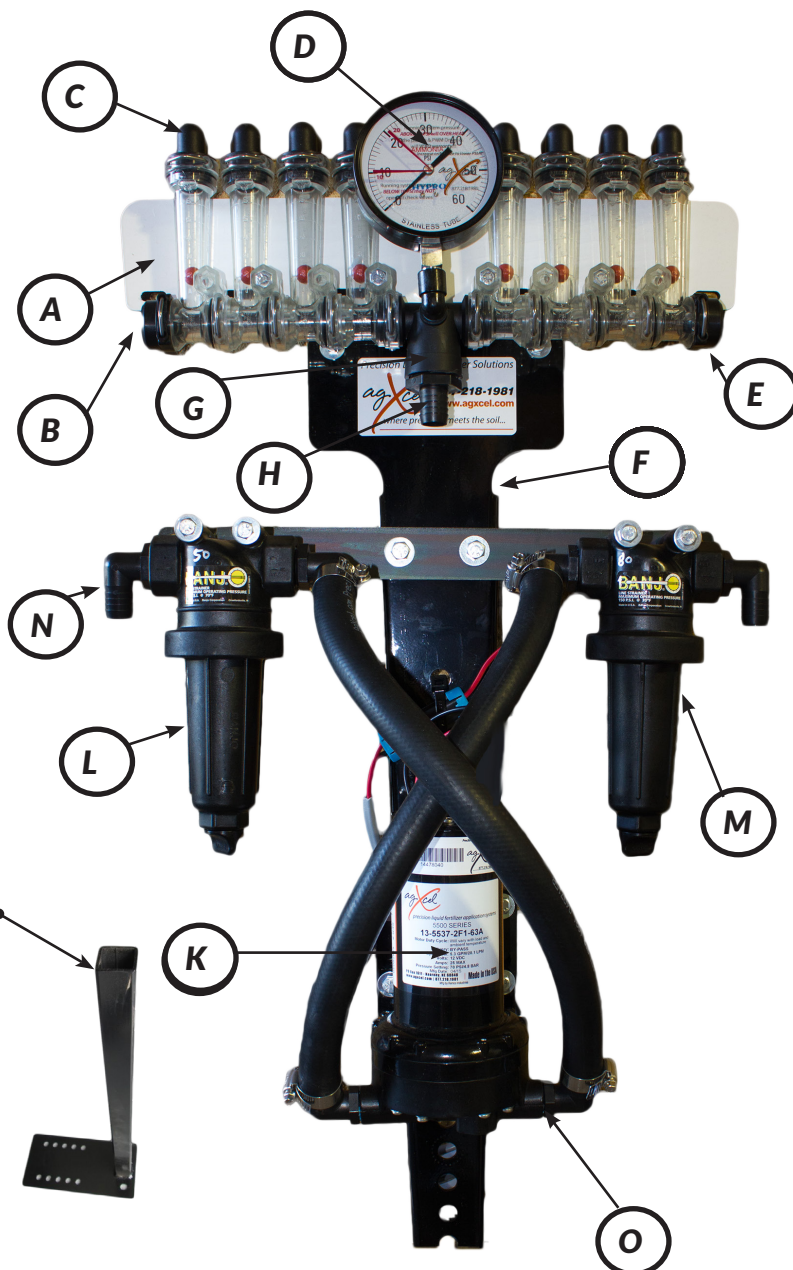
EXAMPLE: 12R single pump wilger setup

Optional: Integration into GS2/GS3, Trimble, Ag Leader, Raven, Micro Trak is approximately \$1880.00 - \$2650.00 on top of the prices stated above. - Includes, Harnesses, PWM/EPD, Flow Meter and brackets. (Additional cost for swath control setups)

Due to possible manufacturers price changes, kit prices are subject to change without notice.



GX1 SYSTEM COMPONENTS		
PN#		DESCRIPTION
A	406	up to 6R FLOW COLUMN BACK (Wht)
	414	up to 8R FLOW COLUMN BACK (Wht)
	20106	7 - 12R FLOW COLUMN BACK (Wht)
B	18082	MOUNTING BRACKET for PN#406
	18088	MOUNTING BRACKET for PN#414
	18083	MOUNTING BRACKET for PN#20106
WILGER COLUMN HARDWARE KIT - PN#38324 One kit is used for mounting up to 12R onto a GX1 chassis (tomahawk) bracket.		
C	25709	WILGER TOP CAP 1/4 QC (outlet to rows)
	17655	WILGER TOP CAP 3/8 QC (outlet to rows)
D	33816	GAUGE (If mounted as shown)
	53769	GX REMOTE GAUGE KIT (60psi)
E	18039	COLUMN END CAP & CLIP
F	38260	GX CHASSIS (Tomahawk)
G	18037	WILGER CENTER FED TEE (as shown) (if using gauge add PN#52142- Elbow)
H	32239	3/4" HOSE SHANK (INLET)
**IF NOT USING A CENTER INLET FEED **		
INLET OPTIONS	18034	3/4" HOSE SHANK - 90 DEG
	18032	3/4" HOSE SHANK
	25682	LOCK U-CLIP
53961		GX1 MOUNT AVAILABLE TO RAISE OR MANEUVER A CROWDED TOOLBAR
53578		GXUBolt 7 X 8 1/2 X 1/2" (Case/JD)
20329		GXUBolt 5 X 7 X 1/2"
17585		GXUBolt 5 X 8 1/2 X 1/2" (Kinzie)
38446		GXUBolt 7 X 5 X 1/2"
AGXCEL STOCKS A VAST ARRAY OF UBOLT SIZES TO MOUNT OUR SYSTEMS TO MOST ANY IMPLEMENT.		
K	20002	5.3 GPM PUMP QC
	20162	5.3 GPM PUMP THREADED
L	51169	50 MESH IN LINE FILTER
	17677	50 MESH FILTER ONLY
M	51171	80 MESH IN LINE FILTER
	51238	80 MESH FILTER ONLY
N	32331	3/4" BARB ELBOW 3/4MNPT
O	17919	FITTINGS FOR QC PUMP
	32313	FITTINGS FOR THREADED PUMP



Clean, sleek and efficient....tried and tested

- Shipped pre-assembled to YOUR specs.
- Easy Installation and seamless management
- Single Pump Configurations
- Large 4" Gauge for proper pressure management
- Filters, 50 & 80 Mesh Screen
- Custom built weather packed harnesses
- Withstands even the most demanding conditions

Perfectly paired with our Manual rate controller
(See pg. 48 - 49 for kit details)

- Simple & Effective flow control management
- Easy Flow Regulator
- On/Off Switch

- Simple, plug 'n play Installation

SIGHT COLUMNS		
PN#	DESCRIPTION	
STANDARD FLOW	55153	Wilger Standard Flow Column Only
	20985	Wilger Standard Flow Column W/balls, clip, retainer (No Top)
	37637	Wilger Std Flow Complete Column(s) 4 pack w/ End cap, clips & 3/8 barb Tops
	37724	Wilger Std Flow Complete Column(s) - 4 pack w/End cap, clips & 3/8QC Tops
BALL SELECTION FOR 30" ROWS - STD FLOW		
3-6 GPA	18077	Green Plastic* Ball
3-10 GPA	18078	Red Plastic* Ball
10-20 GPA	18079	Maroon Glass Ball
13-70 GPA	18080	Stainless Steel Ball
*These balls may float to the top with heavier fertilizers, such as 10-34-0. Use Maroon glass in this case.		

COMPONENTS	
PN#	DESCRIPTION
25682	Lock U-Clip
25681	Flow Indicator Ball Retainer
52142	1/4" Poly Gauge Elbow for Tee
25685	Orange plastic Ball
25686	Viton O'Rings for between Columns
19992	FKM O'Rings for between Columns
428	GXChassis Swivel Kit (Complete)
54123	GXSwivel Kit w/hardware ONLY
38260	GXChassis (Tomahawk Only)
PLUMBING	
308	3/4" Black Hose (Use #12 Clamps - PN#19646)
19920	1/4" Black Tubing
54121	3/8" Black Tubing
17614	3/8" Black Hose (Use #6 Clamps - PN#17649)

** For more manifold components see pages 24 -25.

Externally, the low flow column can be identified by "Low Flow" imprinted into one side of the column. All the same fittings work with either the low flow or standard flow columns



CALCULATOR
Our easy to use, orifice and metering tube calculator is available FREE now on the App Store.



NEW

O-ring Upgrade: FKM

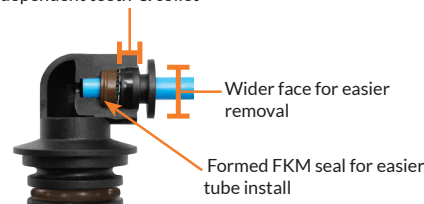
All Wilger parts are transitioning to being manufactured with FKM O-rings & seals. The fluoroelastomer (FKM) o-ring provides superior chemical resistance and durability over Buna o-rings.

** Premium Viton o-rings, seals and assemblies will continue to be available **

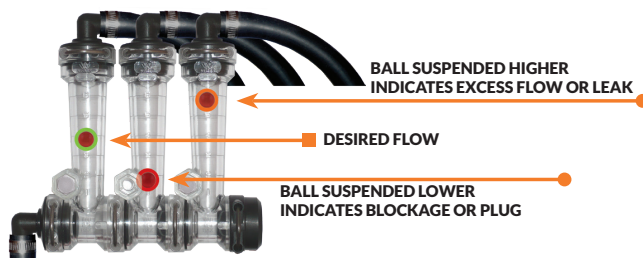
NEW

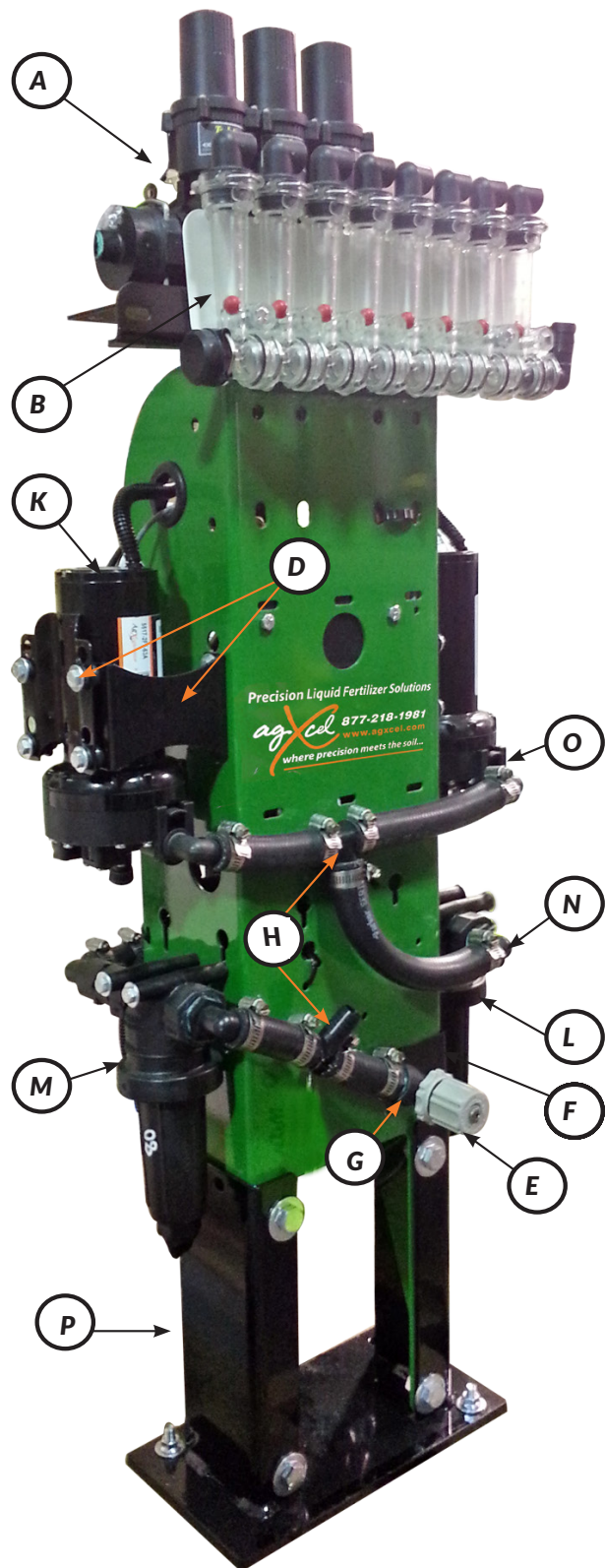
Independent teeth & collet

The 1/4" Push-in tube outlets have received a full redesign for heavier duty sealing and easier release.

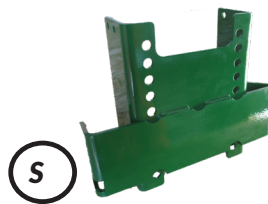
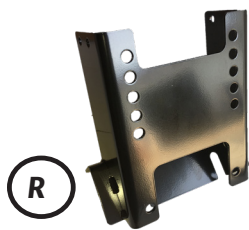
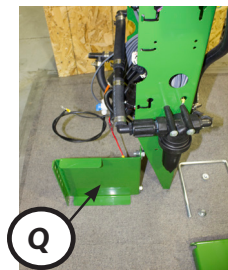


** This redesign also applies to the radial lock caps on check valves **





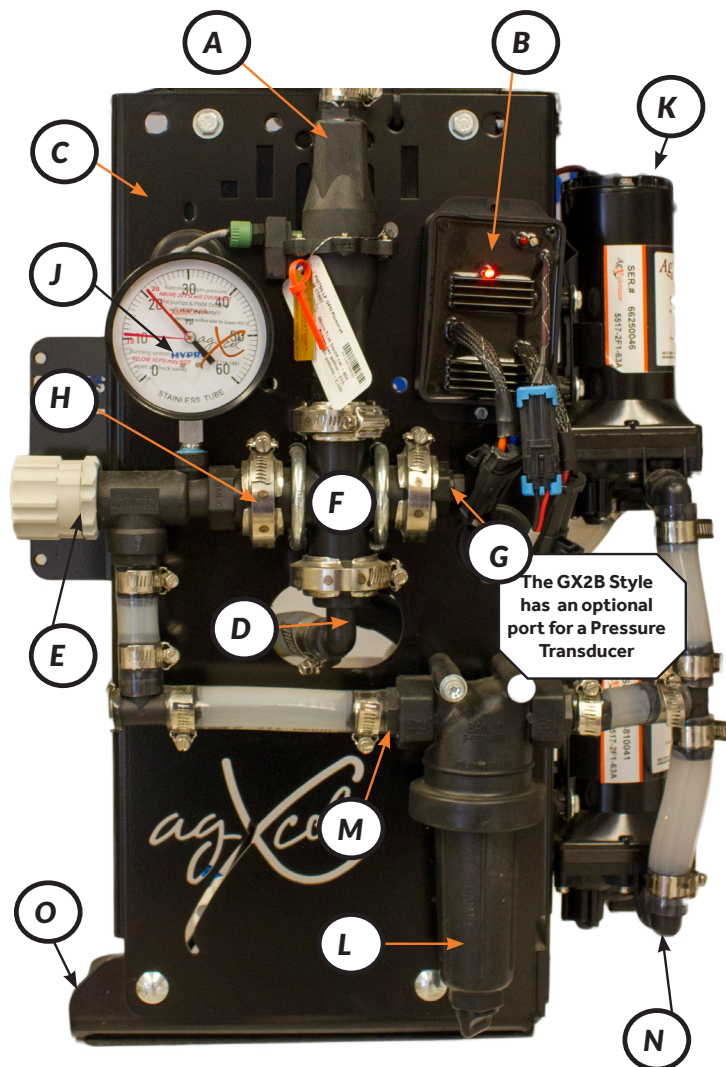
GX2 SYSTEM COMPONENTS		
PN#		DESCRIPTION
A	SOLD SEPARATELY	*See page 40 for Section valve kit details and ordering part numbers.*
B		*See pg. 18 - 37 for manifold part numbers - kits based upon no# of rows. Call for details.*
Basic GX2 replacement parts If you do not see the particular part you need, please contact our sales team for assistance.		
C	19935	GX2CHASSIS - Metal Chassis only
D	20331	PUMP MOUNTING BRACKET
	20381	GX PUMP HARDWARE KIT for Bracket
E	39500	BYPASS VALVE
F	53960 53959	BYPASS VALVE Bracket (Front/Back) Both are needed to hold relief valve
G	18005	3/4" SHANK
H	15	3/4" HOSE SHANK TEE (inlet)
I	20340	IN LINE TEE FOR BLEEDER VALVE (NOT SHOWN - BACK SIDE)
K	20002	5.3 GPM PUMP QC (STANDARD)
	20162	5.3 GPM PUMP THREADED
L	51169	50 MESH IN LINE FILTER
	17677	50 MESH FILTER ONLY
M	51171	80 MESH IN LINE FILTER
	51238	80 MESH FILTER ONLY
N	32331	3/4" BARB ELBOW 3/4MNPT
O	17919	FITTINGS FOR QC PUMP
	32313	FITTINGS FOR THREADED PUMP
OPTIONAL MOUNTING BRACKET FOR THIS GX STYLE		
P	53969	GX2CHASSIBASEKIT (REQ 8-10" BAR MINIMUM)
Q	55060	GX2CHASSISEXTENDERKIT
R	53970	GX2CHASSIS FOR JD CCS (NO REFUGE TANK PRESENT)
S	55792	GX2 CCS CHASSIS BASE 1770/1790 (BETWEEN SEED BINS)



GX2B SYSTEM COMPONENTS		
PN#		DESCRIPTION
A	SOLD SEPARATELY	See pg.38 - 39 for flow meter options. Call for details*
B		See pg. 44 - 49 for Integration options Call for details.*
Basic GX2B replacement parts If you do not see the particular part you need, please contact our sales team for assistance.		
C	53821	GX2BCHASSIS - Metal Chassis - No longer Avail.
D	38254	1" FLANGE x 3/4" HB ELBOW
E	39456	BYPASS VALVE
F	51334	FLANGE CROSS
G	50016 32361	1" MANIFOLD PLUG w/ 1/4" FPT 1/4" PLUG
H	33132 50016	1" CLAMPS GASKET
I	20340	IN LINE TEE FOR BLEEDER VALVE on back side plumbing (Not Shown)
J	33816	60 PSI Gauge
K	20002	5.3 GPM PUMP QC (STANDARD)
	20162	5.3 GPM PUMP THREADED
THIS GX STYLE ONLY SUPPORTS ONE FILTER OPTION		
L	51169	50 MESH IN LINE FILTER (STD. ON B STYLE)
	17677	50 MESH FILTER ONLY
	51238	80 MESH FILTER ONLY
M	18005	3/4" BARB 3/4MNPT
N	17919	FITTINGS FOR QC PUMP
	32313	FITTINGS FOR THREADED PUMP
O	53822	GX2BCHASSIBASEKIT
OPTIONAL MOUNTING BRACKET FOR THIS GX STYLE		
P	53833	GX2BSTACKERBASEJD
Q	53913	GX2BCCS/1790/DB/ADAPT BKT

The GX2B and the NEW GX2C styles offers a lower profile for those extra busy implements. The NEW GX2C replaces the GX2B and is available in a single or dual pump set up. See page 8 for the GX2C components.

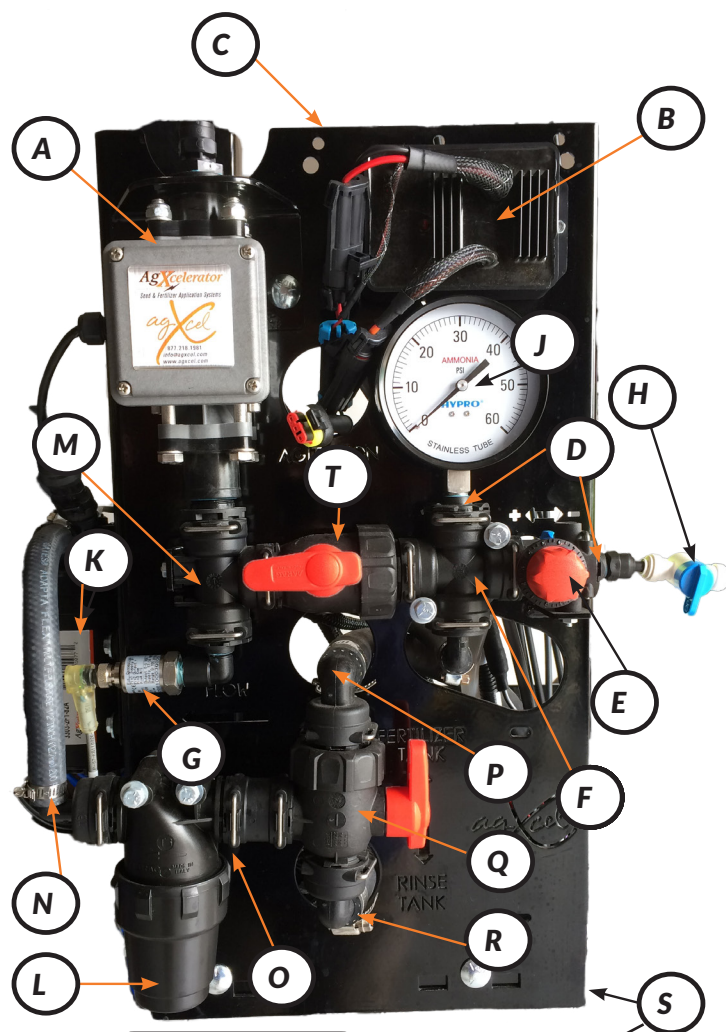
A 50 mesh in line filter was standard on the GX2B style systems. However, the interior filter can be changed out for either an 80 or 30 mesh, depending on customer preference or chemical being applied.



PLUMBING	
308	3/4" Black Hose (Use #12 Clamps - PN#19646) All GX1, GX2 & GX3 Systems are plumbed with 3/4" Hose
19920	1/4" Black Tubing
54121	3/8" Black Tubing
17614	3/8" Black Hose (Use #6 Clamps - PN#17649)



GX2C SYSTEM COMPONENTS		
PN#		DESCRIPTION
A	SOLD SEPARATELY	See pg. 38 - 39 for flow meter options. Call for details*
B		See pg 44 - 49 for Integration options Call for details.*
Basic GX2C replacement parts If you do not see the particular part you need, please contact our sales team for assistance.		
C	55117	GX2C CHASSIS - Metal Chassis only
D	55070	CAP ADAPTER FOR GAUGE T3M 1/4"
E	55069	MODULAR REGULATOR T3 HIGH FLOW
F	55068	4-WAY FITTING 90° T3F
G**	53491	PRESSURE TRANSDUCER KIT (*Optional Add-on)
H	19848	BLEEDER VALVE 1/4" QC
I	570	3/8" HOSE BARB (back of Regulator - not shown)
J	33816	60 PSI GAUGE
K	20002	5.3 GPM PUMP QC (STANDARD)
	20162	5.3 GPM PUMP THREADED
THE GX2C ONLY SUPPORTS ONE FILTER OPTION		
L	55066	80 MESH IN LINE FILTER (STD ON GX2C)
	55549	50 MESH FILTER ONLY
	55548	80 MESH FILTER ONLY
M	54669	"T" FITTING T3F-T3F-T3F
N	17919	BARB FOR QC PUMP (Inlet & Outlet)
O	54677	FORK D.3 DIST.29
P	54662	ELBOW T3F D.20
Q	54671	3-WAY BALL VALVE T3M
R	54662	ELBOW T3F D.20
S	55129	GX2CBASEBKT
T	54701	2-WAY BALL VALVE
OPTIONAL MOUNTING BRACKETS FOR THIS GX STYLE		
U	53833	GX2BSTACKERBASEJD
V	53964	GX2BCCS/1790/DB/ADAPT BKT
W	37659	GX2C NT BASE - KINZIE
X	56030	GX2C STACKER EXTENDED BASE



** The GX2C Style has an optional port for a Pressure Transducer



U



X



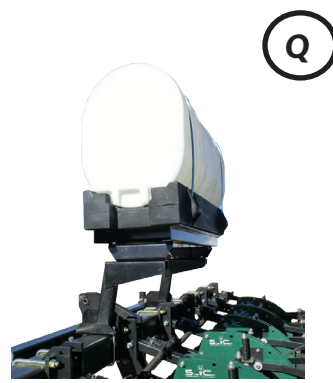
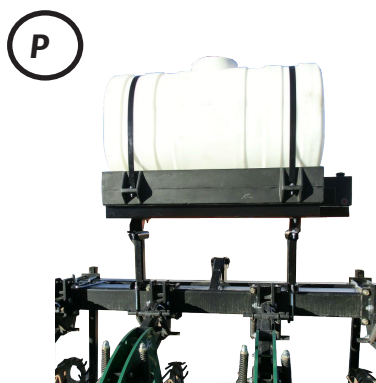
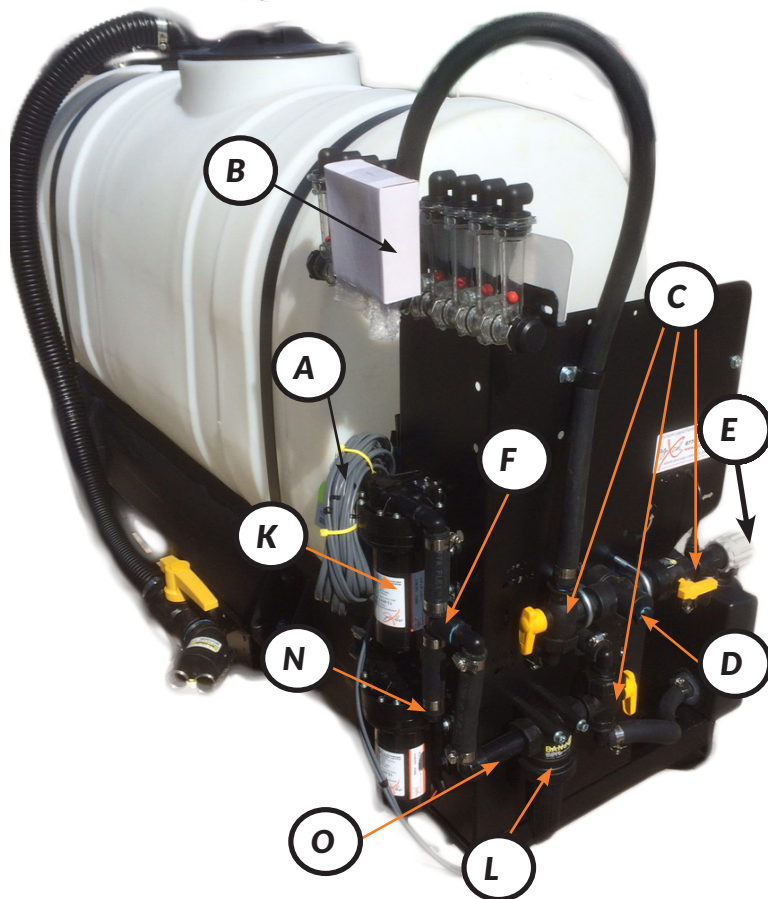
W



V

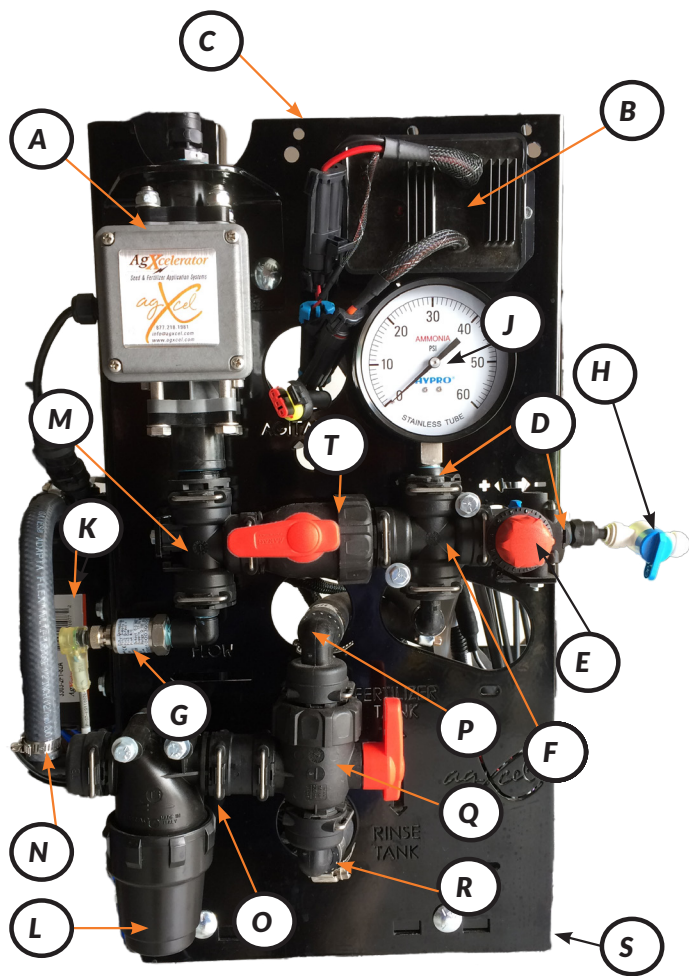


GX3 SYSTEM COMPONENTS		
PN#		DESCRIPTION
A	SOLD SEPARATELY	*See pg. 44 - 49 for Integration Details
B		*See pg. 18 - 37 for manifold part numbers - kits based upon no# of rows. Call for details.*
Basic GX3 replacement parts If you do not see the particular part you need, please contact our sales team for assistance.		
C	37667	3-WAY BALL VALVE 3/4" NPT
D	50273	4-WAY CROSS
E	39500	BYPASS VALVE
F	32476	3/4 FEMALE BARB TEE
G	18005	3/4" SHANK
H	15	3/4" HOSE SHANK TEE (inlet)
I	20340	IN LINE GAUGE TEE (on back side plumbing)
K	20002	5.3 GPM PUMP QC (STANDARD)
	20162	5.3 GPM PUMP THREADED
L	51169	50 MESH IN LINE FILTER
	17677	50 MESH FILTER ONLY
	51171	80 MESH IN LINE FILTER
	51238	80 MESH FILTER ONLY
M	32331	3/4" BARB ELBOW 3/4MNPT
N	17919	FITTINGS FOR QC PUMP
	32313	FITTINGS FOR THREADED PUMP
O	51999	4"NIPPLE
OPTIONAL MOUNTING BRACKET FOR THIS GX STYLE		
55579		GX3 STANDARD MOUNT 9" (Not Shown)
P	53940	GX3 STANDARD MOUNT 21"
Q	38333	GX3 OFFSET MOUNT
AGXCEL STOCKS A VAST ARRAY OF UBOLT SIZES TO MOUNT OUR SYSTEMS TO MOST ANY IMPLEMENT		



GX40 SYNERGIST CORE COMPONENTS

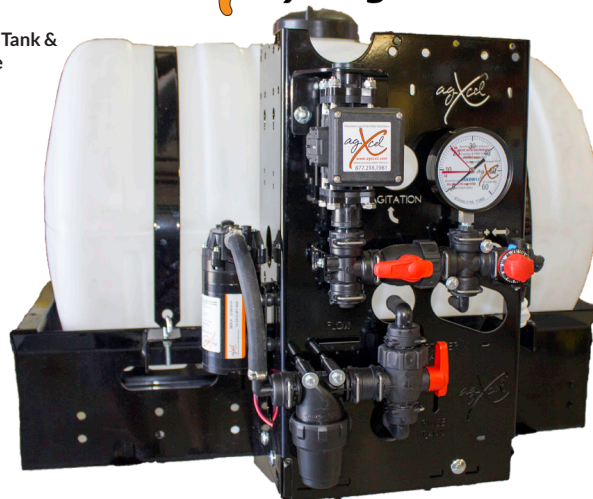
PN#		DESCRIPTION
A	54877	GXORION KIT .08 - 1.6 GPM (Does not include adapter cables)
B	18022	PWM KIT
Basic GX40 replacement parts If you do not see the particular part you need, please contact our sales team for assistance.		
C	55117	GX2C CHASSIS - Metal Chassis only
D	55070	FITTING FOR PRESSURE GAUGE T3M 1/4"
E	55069	MODULAR REGULATOR T3 HIGH FLOW
F	55068	4-WAY FITTING 90° T3F
G**	53491	PRESSURE TRANSDUCER KIT (Standard on the GX40)
H	19848	SHUT OFF (BLEEDER) VALVE 1/4" QC
I	570	3/8" HOSE BARB (back of Regulator - not seen)
J	33816	60 PSI GAUGE
K	20064	2.0 GPM PUMP
THE GX40 ONLY SUPPORTS ONE FILTER OPTION		
L	55066	80 MESH IN LINE FILTER (Standard on GX40)
	55548	80 MESH FILTER ONLY
M	54669	"T" FITTING T3F-T3F-T3F
N	20176	BARB FOR QC PUMP (Inlet & Outlet)
O	54677	FORK D.3 DIST.29
P	54662	ELBOW T3F D.20
Q	54671	3-WAY BALL VALVE T3M
R	54662	ELBOW T3F D.20
S	55129	GX2CBASEBKT (SITUATIONAL)
T	54701	2-WAY BALL VALVE T3M
TANKS AND CRADLES USED WITH THE GX40		
55545	110 GA TANK PLUMBED W/CRADLE & STRAPS (NO SYSTEM)	
55207	55 GA TANK PLUMBED W/CRADLE & STRAPS (NO SYSTEM)	
31288	WEDGE	
37709	3 GAL BLACK RINSE TANK	
GX40 MOUNTING OPTIONS		
55598	GX40 UNIVERSAL 6"	
55597	GX40 UNIVERSAL 16"	
55596	GX40 UNIVERSAL 24"	
55625	GX40_LOWPROFILEBARMOUNT	



55 gal Tank & Cradle

GX40

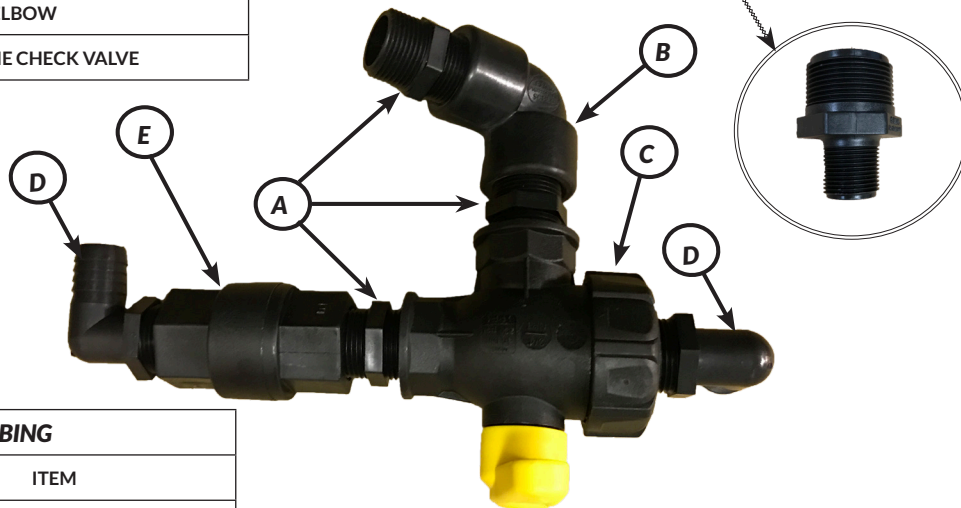
Synergist



See pg. 11 for under tank plumbing for both sizes.

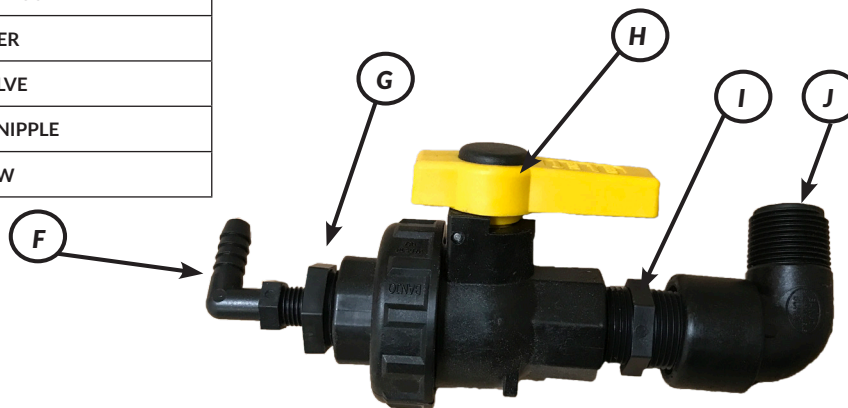
PRODUCT TANK PLUMBING

	PN#	QTY#	ITEM
A	32399	3	3/4 THREADED NIPPLE
B	50577	1	3/4 PIPE ELBOW
C	37667	1	3-WAY BALL VALVE
D	32331	2	3EL34 POLY ELBOW
E	54022	1	3/4" 1# IN LINE CHECK VALVE



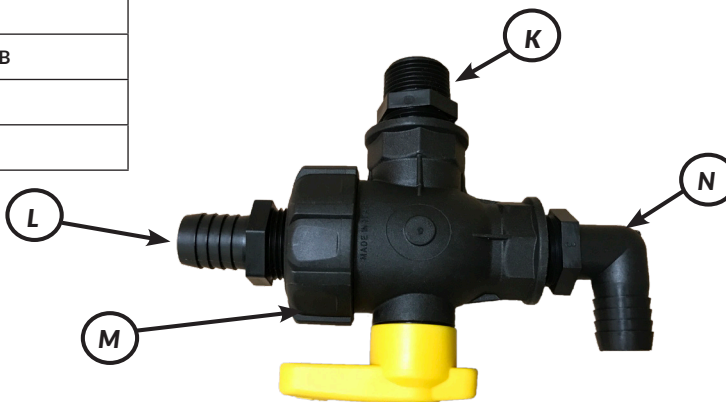
TANK AGITATION PLUMBING

	PN#	QTY#	ITEM
F	32324	1	1/4X3/8 ELBOW HOSE BARB
G	32433	1	3/4X1/4 REDUCER
H	52169	1	2-WAY BALL VALVE
I	32399	1	3/4 THREADED NIPPLE
J	52146	1	3/4 X 90D ELBOW



RINSE TANK PLUMBING

	PN#	QTY#	ITEM
K	32399	1	3/4 THREADED NIPPLE
L	18005	1	3/4x3/4 MPT X HOSE BARB
M	37667	1	3-WAY BALL VALVE
N	32331	1	3EL34 POLY ELBOW



**For GX40 Pro Stop body assembly see page 36 - 37 of the GX Manifold Section. **

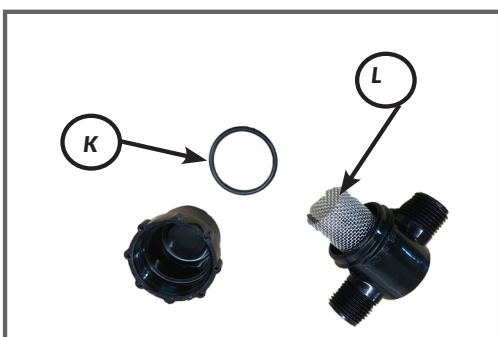


**GX12INJECTOR - COMPLETE UNIT**

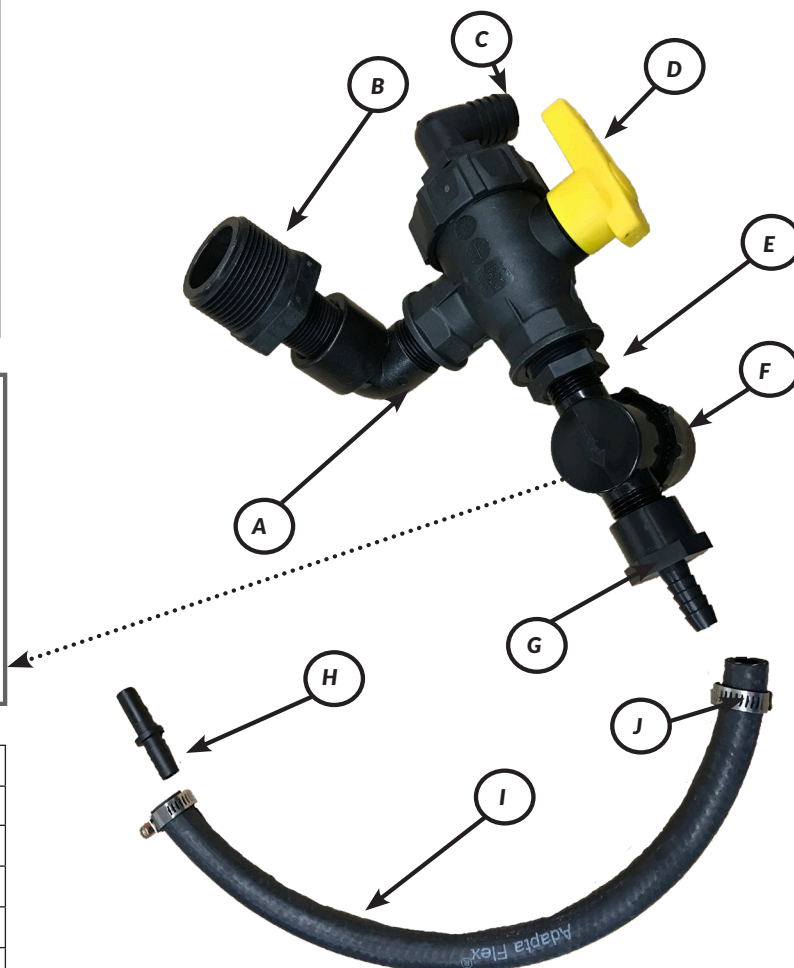
%	PN#	ITEM
2%	20202	2% COMPLETE UNIT WITH UBOLTS
5%	20556	5% COMPLETE UNIT WITH UBOLTS

INJECTOR LOWER PLUMBING

	PN#	QTY#	ITEM
A	52146	1	3/4 X 90D ELBOW
B	52108	1	1-1/4 X 3/4 REDUCER
C	32331	1	3EL34 POLY ELBOW
D	37667	1	3/4 3 WAY BALL VALVE
E	32432	1	3/4 X 1/2 BUSHING
F	31209	1	MINI STRAINER W/20MESH
G	32272	1	1/2" FEMALE TO 3/8" BARB
H	20808	1	3/8 STEM X 3/8 BARB
I	17614	3FT	3/8" BLACK HOSE
J	17649	2	SS HOSE CLAMPS #6

***PARTS INSIDE MINI STRAINER PN#31209**

K	30015	1	GASKET - BUNA
L	54426	1	20 MESH SCREEN
OPTIONAL MESH SCREEN/GASKET SOLD SEPARATELY			
30300			80 MESH SCREEN
30013			GASKET - VITON

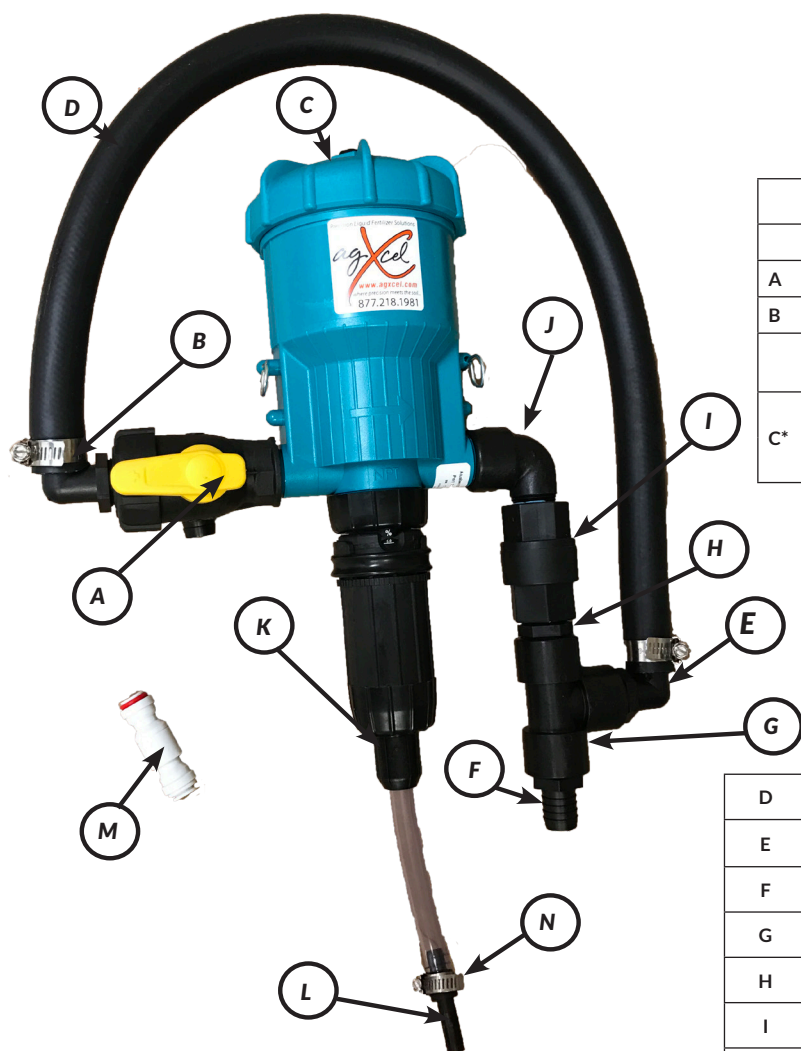


****System must be flushed out after every use to avoid damaging components****



INJECTOR COMPLETE UPPER PLUMBING		
%	PN#	ITEM
2%	20549	2% PLUMBING KIT - UPPER UNIT
5%	20555	5% PLUMBING KIT - UPPER UNIT

System must be flushed out after every use to avoid damaging components



INJECTOR UPPER PLUMBING COMPONENTS			
	PN#	QTY#	ITEM
A	37667	1	3-WAY BALL VALVE
B	19646	2	CLAMP(S) #12
ONLY ONE OF THE BELOW FOR PART C DEPENDING ON PERCENT OF INJECTOR			
C*	54108	1	2% INJECTOR
	53513	1	5% INJECTOR

**For GX12 agitation kit see page 53 of the GX optional kit section. **

D	308	2FT	3/4" BLACK HOSE
E	32331	3	3EL34 POLY ELBOW
F	18005	1	AL34P-POLY HOSE BARB
G	52214	1	3/4" POLY PIPE TEE
H	32399	1	3/4 THREADED NIPPLE
I	54022	1	3/4" 1# IN LINE CHECK VALVE
J	52146	1	3/4 X 90D ELBOW
ONLY ONE OF THE BELOW FOR PART K DEPENDING ON PERCENT OF INJECTOR			
K*	55176	1	HOSE NUT FOR 2%
	55523	1	HOSE NUT FOR 5%
L	20808	1	3/8 STEM X 3/8 BARB
M	54207	1	3/8 CHECK VALVE .3PSI
N	17649	1	SS HOSE CLAMPS #6



Keep From Extreme Temperature

Protect the injector from freezing temperature or excessive heat.

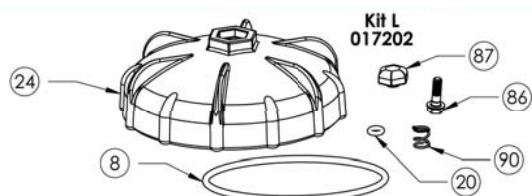
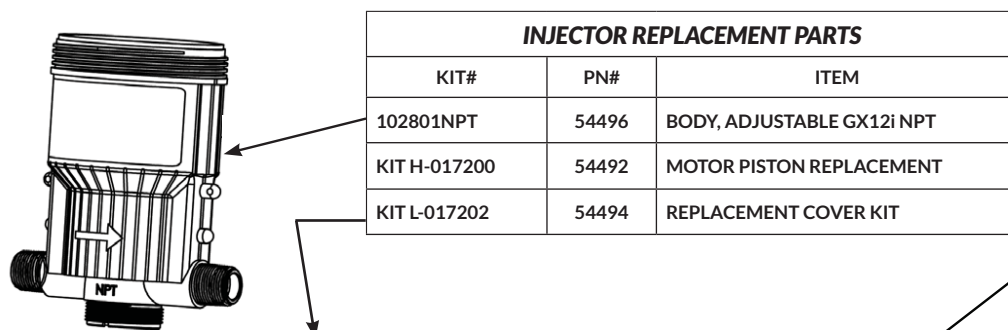
Rinse Injector After Each Use

Additives allowed to remain in injector can dry out, foul or damage the lower end at the next start-up.

Injector Not in Use for an Extended Period

If the injector has not been stored properly deposits may have dried onto the motor. Before operation, soak entire unit into room temperature water approximately 72°F (22°C) for a 24 hour period.





Kit H WSP: Motor piston kit

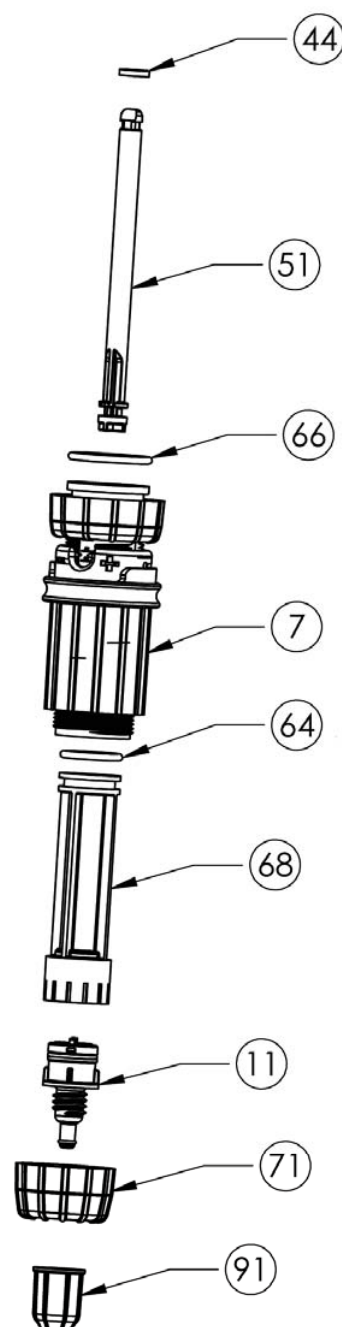
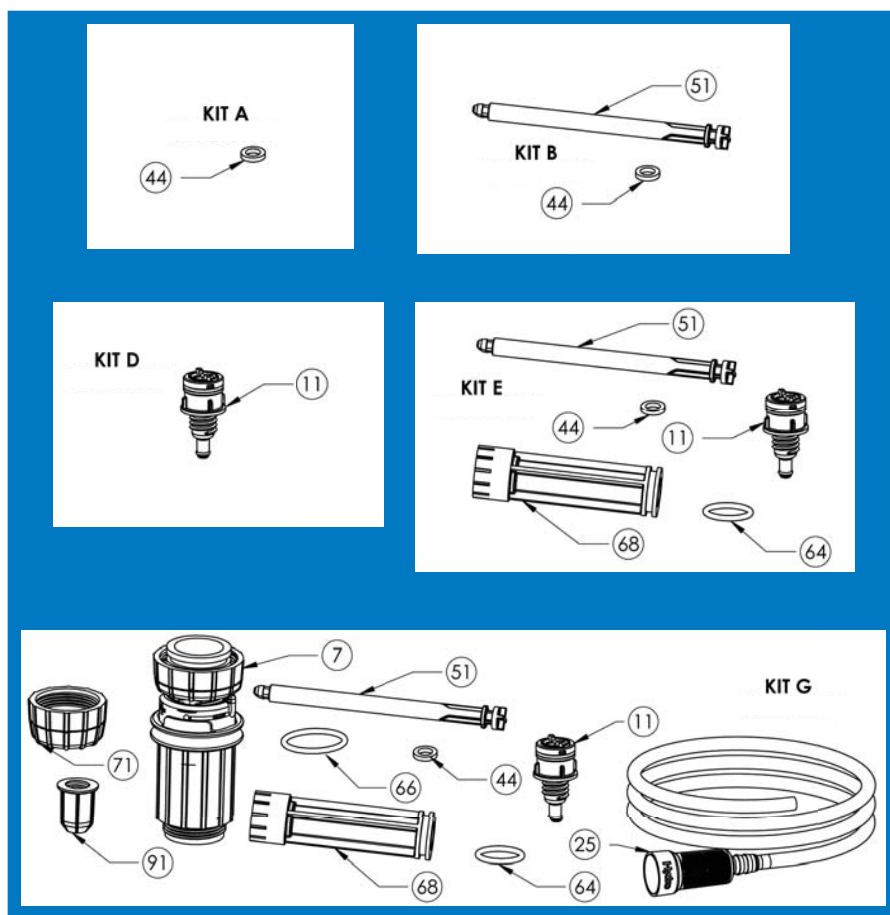
Motor piston assembly



Change
as needed

****NOTE:** Parts within kits are not available for individual sale. Only as complete kits **

****System must be flushed out after every use to avoid damaging components****



Kit A: Dosage gasket kit

Dosage gasket



Light Usage:
Change every 6-12 months

Medium Usage:
Change every 6 months

Heavy Usage:
Change every 3-4 months

Kit B: Wear kit

Dosing gasket,
shaft



Change
as needed

Kit D WSP: Check valve kit

Suction tube fitting
assembly (poppet,
O-ring, spring, fitting)



Change
as needed

Kit E: Wear parts maintenance kit

Inner cylinder, shaft and
check valve



Change
as needed

Kit G WSP: Complete lower end kit

Dosing gasket, O-ring,
shaft, gasket, inner cylinder
and check valve, outer
cylinder, ratio adjuster,
O-rings, pin, filter, solution
tube with strainer filter



Change
as needed

All referenced kits come with standard Viton seals.

Every 3 - 6 Months

1. Clean Seal areas #44.
2. Clean & Check #64 Seal, #68 Cylinder, clean and/or replace as necessary.
3. Clean Filters

Every 6 - 12 Months

1. Replace Dosage gasket #44.
2. Clean and/or replace Check Poppet, inside #11 Suction Tube Fitting.

Replace as Necessary

1. #68 Cylinder
2. #64 O-ring/Gasket
3. Motor Piston #9
4. #51 and #44 Shaft Assembly
5. Check Valve Assy and Tubing

NOTE: Maintenance intervals may vary depending on conditons of use and the chemicals being injected.

2% INJECTOR MAINTENANCE KITS

KIT#	PN#	ITEM
KIT A-017210WSP	54527	AQUA BLEND 2% WSP WEAR KIT A VITON
KIT B-017211WSP	55532	AQUA BLEND 2% ADJ. WEAR KIT B VITON
KIT D-017213WSP	54528	AQUA BLEND 2% ADJ. WEAR KIT D CHECK VALVE VITON
KIT E-017214WSP	55541	AQUA BLEND 2% ADJ. WEAR KIT E VITON
KIT G-017216WSP	55542	AQUA BLEND 2% ADJ. WEAR KIT G LOWER REPLACEMENT VITON

5% INJECTOR MAINTENANCE KITS

KIT#	PN#	ITEM
KIT A-017220WSP	55524	AQUA BLEND 5% WSP WEAR KIT A VITON
KIT B-017221WSP	55540	AQUA BLEND 5% ADJ. WEAR KIT B VITON
KIT D-017223WSP	55525	AQUA BLEND 5% ADJ. WEAR KIT D CHECK VALVE VITON
KIT E-017224WSP	55526	AQUA BLEND 5% ADJ. WEAR KIT E VITON
KIT G-017226WSP	55527	AQUA BLEND 5% ADJ. WEAR KIT G LOWER REPLACEMENT VITON

DEFINITIONS:

LIGHT USAGE: Injector is used once a week

MEDIUM USAGE: Injector is used 3-4 times each week

HEAVY USAGE: Injector is used 24 hours a day, seven days a week

****System must be flushed out after every use to avoid damaging components****

2% RATIO TO SET %	
RATIO	SET%
50 - 57	2.0%
58 - 64	1.8%
65 - 80	1.5%
81 - 95	1.25%
96 - 130	1.0%
131 - 180	.75%
181 - 400	.50%
401 - 650	.20%

STEPS TO CALCULATE YOUR %

1. TAKE YOUR CHEMICAL TOTAL OZ.
2. DIVIDE THAT NUMBER BY TOTAL OZ OF CARRIER
3. MOVE DECIMAL RIGHT 2 SPACES
EX: 6oz/640 = 0.009 = .9%

5% RATIO TO SET %	
RATIO	SET%
20 - 21	5.0%
22 - 23	4.5%
24 - 25	4.0%
26 - 30	3.5%
31 - 34	3.0%
35 - 42	2.5%
43 - 57	2.0%
58 - 75	1.5%
76 - 128	1.0%



The AgXcel GX12HP Revolution is a state-of-the-art high pressure chemical injection solution designed for the precise dose of Nano application solutions. Whether you are looking to inject low volume insecticides, fungicides or inoculants the GX12HP can effectively handle rates as low as 2 ounces per acre. Designed with the ability to accurately dispense liquid at high pressure. Injection is exact and precise with the ability to manage and change rates on the fly.

- GX12hp Low Flow - For use with injection rates from 2oz/min to 24oz/min
- GX12hp High Flow - For use with injection rates from 20oz/min to 128oz/min
- High performance positive displacement pump equates to an accurate and precise dosage on every acre.

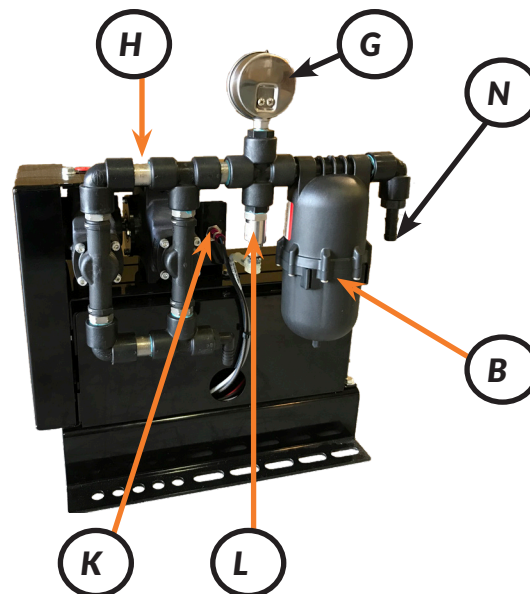
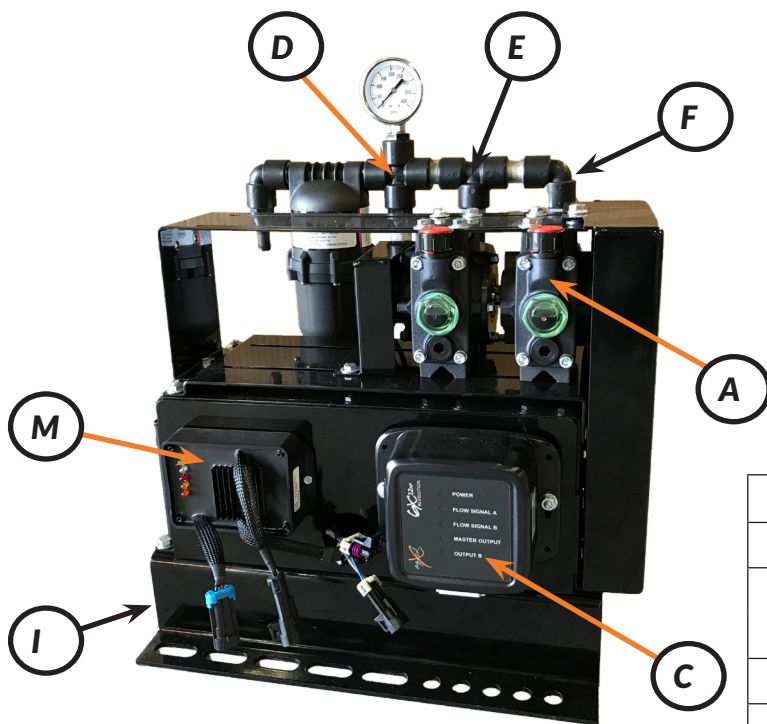
Utilizing AgXcel's state of the art proprietary electronic motor driver.

Great for use with insecticides, fungicides, nutrient managers and micro-nutrients.

With the ability to seamlessly integrate fully into major OEM controllers like Field-IQ, Agleader, Raven, Micro-Trak, Pro700/ AccuControl and John Deere, management of the GX12hp becomes effortless. With the use of AgXcel integration kits the setup is simple and straightforward.

HARNESS	
PN#	DESCRIPTION
51854	GX12HP MAIN HARNESS
56199	GX12HPREV - FLOW SENSE 'Y'
53594	6 SECTION BOOM
20031	TRANSDUCER EXT SOLD BY THE FT
BOOM EXTENSIONS	
56174	50' EXTENSION
56173	40' EXTENSION
56172	30' EXTENSION
56171	20' EXTENSION
PLUMBING	
19920	1/4" TUBING
37619	1/2" BLK HOSE
17649	#6 HD CLAMPS FOR PN#37619
308	3/4 BLK HOSE (PRECUT IN 50FT)
19646	#12 CLAMPS FOR PN#308 HOSE
PWM EXTENSIONS	
53665	20FT
53666	30FT
53668	40FT

ACCESSORY - MOUNTING BRACKETS	55207	55G TANK PLUMBED W/CRADLE & STRAPS - NO SYSTEM
	55545	110G TANK PLUMBED W/CRADLE & STRAPS - NO SYSTEM
	31288	WEDGE - 55GAL ONLY
	56317	UNI ARMS MOUNT KIT - 110GAL ONLY
	55598	GX40_UNIVERSAL 6"
	55597	GX40_UNIVERSAL 16"
	55596	GX40_UNIVERSAL 24"
	17709	RINSE TANK ARM MOUNT
	37719	3GAL RINSE TANK MOUNT
	55625	GX40 LOW PROFILE TANK KIT
	20554	GXUBOLT 6X8 X5/8
	37776	GXUBOLT 4X7.5 X5/8
	53719	GX_BOLT9x5/8"



GX12HP SYSTEMS	
51858	GX12HP-HV1 / SYSTEM / RPM120
51861	GX12HP-HV2 / SYSTEM / RPM120
47207	GX12HP-LV1 / SYSTEM / RPM45
50038	GX12HP-LV2 / SYSTEM / RPM45

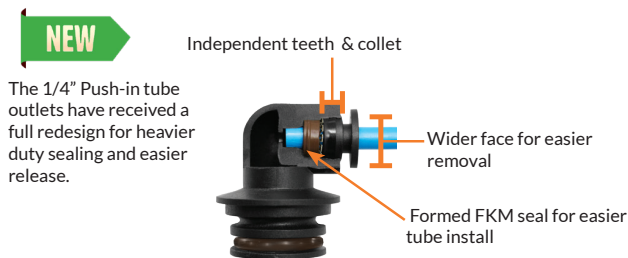
MISC PARTS	
56097	ANHYDROUSINLINEMIXER1-1/2"
56363	NH3 N-SERVE CHECK VALVE 1/2"
PLUNGER PUMP PARTS	
20592	GX12HPPUMPSEALKIT28MM
20586	GX12HPOILPLUG3/8"
20261	GX12HPPUMPHEAD,PABLACK
56198	GX12HPPUMP FORK
20593	GX12HPSPARES KIT

GX12HP REVOLUTION INJECTOR		
PN#		DESCRIPTION
NOT SHOWN	55729	GX12HPREV - HIGHRPM MOTOR
	56057	GX12HPREV - LOWRPM MOTOR58
A	55662	GX12HPREV - INJPUMP-P1
B	56085	ACCUMULATOR TANK 3/8 FNPT
C	47183	GX12HPREV - MODULE ONLY
D	50272	POLY 1/2" CROSS FEM
E	52213	POLY TEE 1/2" FEM
F	50576	POLY ELBOW 1/2" FEM
NOT SHOWN	56195	#40 CONNECTING LINK_GX12HP
	56196	#40 ROLLER CHAIN_GX12HP
G	20844	2.5 SST GAUGE 400PSI
NOT SHOWN	56028	GX12HPREV - 13T SPROCKET
	56054	GX12HPREV - SPROCKET9
H	20603	NIP3041/2X2 - 1/2" NIPPLE
NOT SHOWN	55981	GX12HPREV 9T-5/8 SPROCKET
	56197	GX12HPREV - 19T-5/8 SPROCKET
I	47201	GX12HPREV - ENCLOSURE
J	56055	FLOW SENSOR
K	1534	RPM SENSOR
L	53491	PRESSURE TRANSDUCER KIT
M	18022	PWM KIT
N	32246	1/2" HB

ORIFICES		
PN#	DESCRIPTION	
SPECIAL ORDER	17975	DC-BLANK
	18203	30-DC010 GREY LF
	19967	30-DC014 - ROYAL BLUE LF
	17591	30-DC018 TERRACOTA
	54523	30-DC020 BLACK LF
	17964	30 DC 023 PINK
	17965	30-DC028 GREY
	17966	30-DC015 - BLACK
	17967	30-DC-02 BROWN
	17968	30-DC-03 ORANGE
	53501	30-DC-035 MAROON
	17969	30-DC-04 RED
	17970	30-DC-05 BLUE
	17971	30-DC-06 YELLOW
	17972	30-DC-07 EMERALD GREEN
	17973	30-DC-08 WHITE
	17974	30-DC-10 LIME (IMPERIAL) GREEN
	19962	30-DC-12 ROYAL BLUE

CHECK VALVE COMPONENTS	
PN#	DESCRIPTION
26321	CR DIAPH MOD ASY 10 PSI BLK CAP
41716	CR DIAPH MOD ASY 4 PSI BLUE CAP
54538	O'RING VITON - PRESSURE PAD
25712	WILGER 1/4" COLLET
25718	WILGER 3/8" COLLET
25803	VITON DIAPHRAGM
25799	BUNA DIAPHRAGM (OLD STYLE)
25951	RADIAL LOCK CAP OUTER O-RING
26410	NEW STYLE FKM DIAPHRAGM
25953	COMBO-JET SEAL/STRAINER ADAPTER
25772	1/2" HB SHANK 1/4 MNPT
54015	1/2" HB RADIAL CAP
370	8mm (5/16") PTC WILGER TOP (Spec Order)

METERING TUBES		
PN#	DESCRIPTION	
38233		GX6MT - PINK
38241		GX6MT - YELLOW
38237		GX6MT - GREY
38242		GX6MT - NAVY BLUE
38243		GX6MT - BROWN
38250		GX6MT - SKY BLUE
38251		GX6MT - GREEN
38245		GX6MT - PURPLE
38246		GX6MT - ORANGE
38247		GX6MT - RED
38248		GX6MT - BLACK



The 1/4" Push-in tube outlets have received a full redesign for heavier duty sealing and easier release.

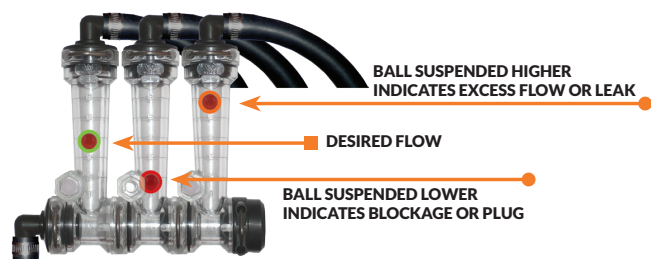
** This redesign also applies to the radial lock caps on check valves **






** This redesign also applies to the radial lock caps on check valves **



** Premium Viton o-rings, seals and assemblies will continue to be available **

NOTE: Old style will be available until current stock is exhausted.



CHECK VALVES			
KIT#	ASSEMBLED PN#	DESCRIPTION	
4#	310	38169 = BODY 38171 = 1/4" PTC CAP	4# CHECK VALVE WITH 1/4" PTC INLET/OUTLET 
	305	28549 = BODY 54260 = 3/8 PTC CAP 19884 = 3/8 PTC INLET	4# CHECK VALVE WITH 3/8" PTC INLET/OUTLET 
	316	28549 = BODY 32253 = 3/8 BARB INLET 53465 = 3/8 BARB CAP	4# CHECK VALVE WITH 3/8" HOSE BARB INLET/OUTLET 
10#	313	26315 = BODY 32253 = 3/8 BARB INLET 53465 = 3/8 BARB CAP	10# CHECK VALVE WITH 3/8" HOSE BARB INLET/OUTLET 
	307	26315 = BODY 54260 = 3/8 PTC CAP 19884 = 3/8 PTC INLET	10# CHECK VALVE WITH 3/8" PTC INLET/OUTLET 

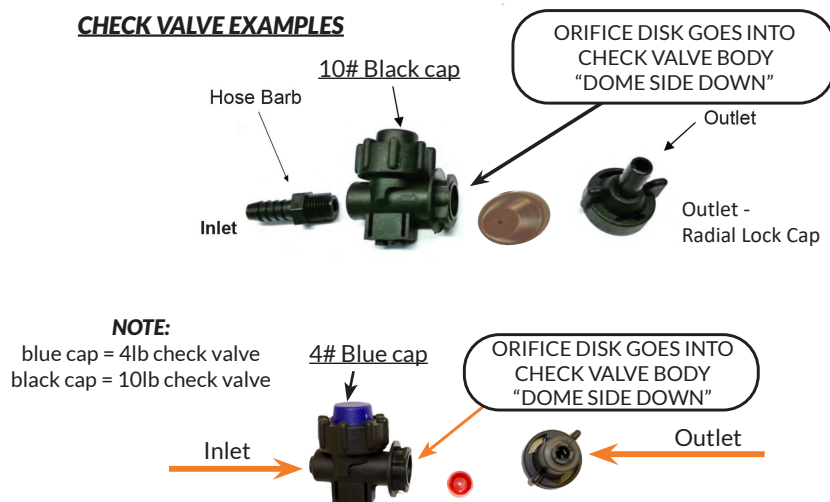


The preferred placement of the Agxcel check valve is as close to the row unit as possible, without sacrificing the security of the check valve. Approximately 30" from the bottom of the furrow (on every row, equal lengths) where liquid is being placed is ideal.

Follow these steps for successful placement:

1. Find a secure location, on top of the row unit where debris (like in no-till conditions) will not catch the check valve or tubing and rip it out of place.
2. Ensure that the install location allows for a tie strap to securely mount the check valve in place.
3. The check valve works best when approximately 30" from where liquid is being placed.
4. Ensure that the mounting location allows for ease of access to the orifice, in case the orifice size needs to be changed.

CHECK VALVE EXAMPLES



NEW

O-ring Upgrade: FKM

All Wilger parts are transitioning to being manufactured with FKM O-rings & seals. The fluoroelastomer (FKM) o-ring provides superior chemical resistance and durability over Buna o-rings. ** Premium Viton o-rings, seals and assemblies will continue to be available**

CAP ASSEMBLY

Snap in Strainer & Seal adapter (PN# 25953)

O-ring seal - FKM (PN# 25951)
O-ring seal - Viton (PN# 25952)

3/8 Hose barb cap (SHOWN)



SIGHT COLUMN BRACKETS

SIGHT COLUMN BRACKETS		
PN#		DESCRIPTION
A	406	UP TO 6R WHT BACKDROP
	414	UP TO 8R WHT BACKDROP
	20106	UP TO 12R WHT BACKDROP
B	18082	MOUNTING BRACKET FOR PN#406
	18088	MOUNTING BRACKET FOR PN#414
	18083	MOUNTING BRACKET FOR PN#20106
SIGHT COLUMN HARDWARE KIT - PN#38324		
One kit is used for mounting up to 12R onto a GX1 chassis (tomahawk) bracket.		

NEW

The 1/4" Push-in tube outlets have received a full redesign for heavier duty sealing and easier release.

Independent teeth & collet



Wider face for easier removal

Formed FKM seal for easier tube install

** This redesign also applies to the radial lock caps on check valves **

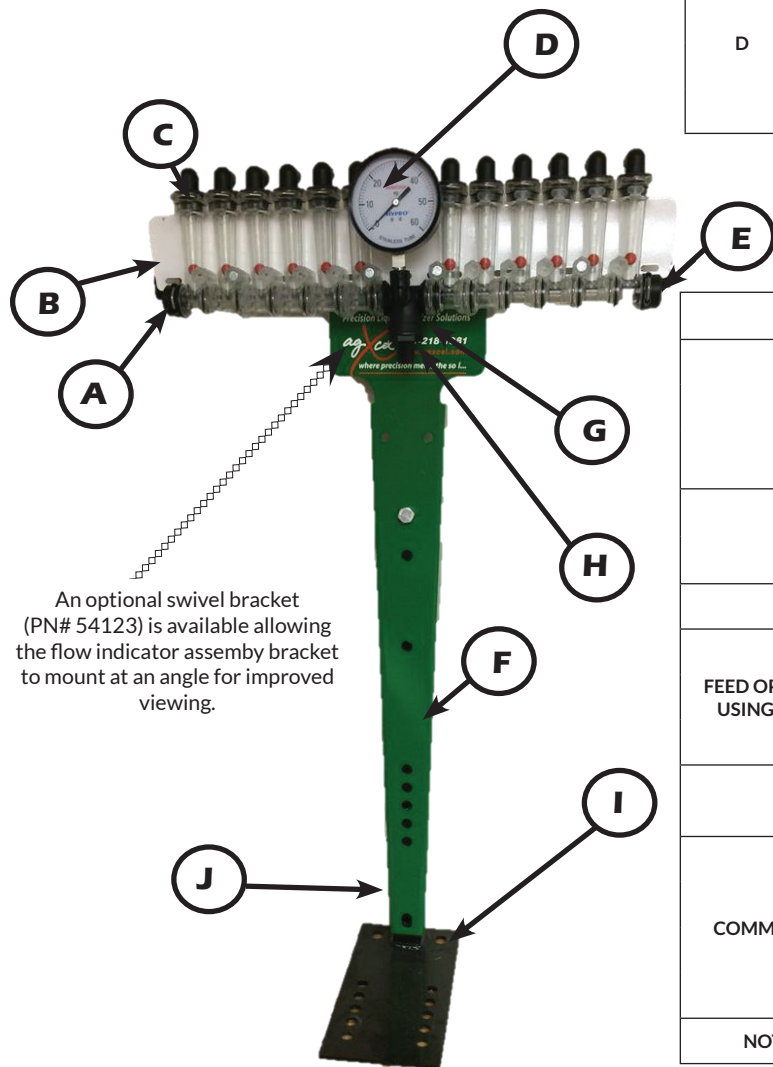
NEW**O-ring Upgrade: FKM**

All Wilger parts are transitioning to being manufactured with FKM O-rings & seals. The fluoroelastomer (FKM) o-ring provides superior chemical resistance and durability over Buna o-rings.

** Premium Viton o-rings, seals and assemblies will continue to be available**

C	25709	1/4" PTC TOP
	18033	3/8" BARB TOP
	17655	3/8" PTC TOP
	370	8mm (5/16")PTC TOP (Special order)
	25701	1/2" BARB TOP (Special order)
D	*ONLY ONE GAUGE OPTION INCLUDED IN KIT	33812 160 PSI GAUGE
		33816 60 PSI GAUGE
		53769 60 PSI REMOTE GAUGE KIT
		53770 160 PSI REMOTE GAUGE KIT

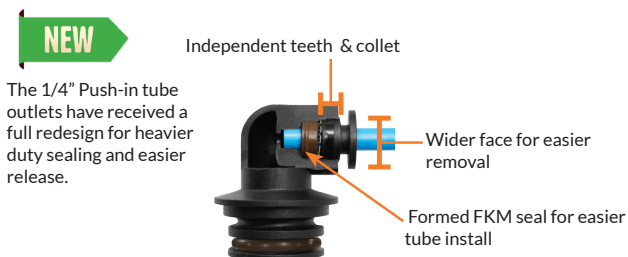
** For more manifold components see pages 24 -25.



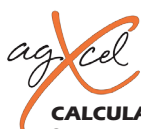
E	18039	COLUMN END CAP & CLIP
F	38260	GX1 CHASSIS (TOMAHAWK ONLY)
	54123	GXSWIVEL KIT (NO TOMAHAWK)
	428	GXCHASSIS SWIVEL KIT (COMPLETE)
G	18037	CENTER FEED
	32239	3/4" HOSE SHANK INLET
H	52142	1/4" GAUGE ELBOW
FEED OPTIONS IF NOT USING CENTER TEE	18034	3/4" HOSE SHANK - ELBOW
	18032	3/4" HOSE SHANK
	25682	LOCK U-CLIP
I	53961	GX1 MOUNT AVAILABLE TO RAISE OR MANOEUVRE A CROWDED TOOLBAR
COMMON UBOLT(S)	53578	GXUBOLT 7 X 8 1/2" (CASE/JD)
	20329	GXUBOLT 5 X 7 X 1/2"
	17585	GXUBOLT 5 X 8 X 1/2" (KINZIE)
	38446	GXUBOLT 7 X 5 X 1/2"
NOT SHOWN	356	1/2" BOLT KIT

SIGHT COLUMNS		
PN#	DESCRIPTION	
STANDARD FLOW	55153	Wilger Standard Flow Column Only
	20985	Wilger Standard Flow Column W/balls, clip, retainer (No Top)
	37637	Wilger Std Flow Complete Column(s) - 4 pack w/ End cap, clips & 3/8 barb Tops
	37724	Wilger Std Flow Complete Column(s) - 4 pack w/End cap, clips & 3/8QC Tops
BALL SELECTION FOR 30" ROWS - STD FLOW		
3-6 GPA	18077	Green Plastic* Ball
3-10 GPA	18078	Red Plastic* Ball
10-20 GPA	18079	Maroon Glass Ball
13-70 GPA	18080	Stainless Steel Ball
*These balls may float to the top with heavier fertilizers, such as 10-34-0. Use Maroon glass in this case.		

MISC COMPONENTS	
PN#	DESCRIPTION
25682	LOCK U-CLIP
25685	ORANGE PLASTIC BALL
428	GXCHASSIS SWIVEL KIT (Complete)
54123	GXSWIVEL KIT (No Tomahawk)
54839	GXEXTENDER BRACKET
PLUMBING	
308	3/4" BLACK HOSE (Use #12 CLAMPS - PN#19646)
19920	1/4" BLACK TUBING
54121	3/8" BLACK TUBING
17614	3/8" BLACK HOSE (Use #6 CLAMPS - PN#17649)



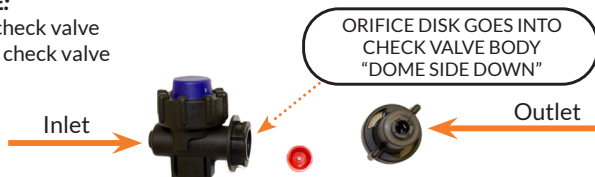
** This redesign also applies to the radial lock caps on check valves **



CALCULATOR
Our easy to use, orifice and metering tube calculator is available FREE now on the App Store.



NOTE:
blue cap = 4lb check valve
black cap = 10lb check valve



SIGHT COLUMNS		
PN#	DESCRIPTION	
LOW FLOW	25689	Wilger Low Flow Column Only
	25687	Wilger Low Flow Column W/balls, clip, retainer (No Top)
	37617	Wilger Low Flow Complete Column(s) - 4 pack w/ End cap, clips & 1/4QC Tops
	37723	Wilger Low Flow Complete Column(s) - 4 pack w/End cap, clips & 3/8QC Tops
BALL SELECTION FOR 30" ROWS		
1-3 GPA	18077	Green Plastic* Ball
2-4 GPA	18078	Red Plastic* Ball
3-6 GPA	18079	Maroon Glass Ball
5-10 GPA	18080	Stainless Steel Ball
*These balls may float to the top with heavier fertilizers, such as 10-34-0. Use Maroon glass in this case.		

** For more manifold components see pages 24 -25.

Externally, the low flow column can be identified by "Low Flow" imprinted into one side of the column. All the same fittings work with either the low flow or standard flow columns

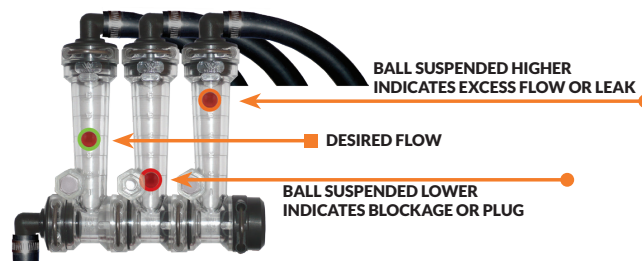


NEW

O-ring Upgrade: FKM

All Wilger parts are transitioning to being manufactured with FKM O-rings & seals. The fluoroelastomer (FKM) o-ring provides superior chemical resistance and durability over Buna o-rings.

** Premium Viton o-rings, seals and assemblies will continue to be available**



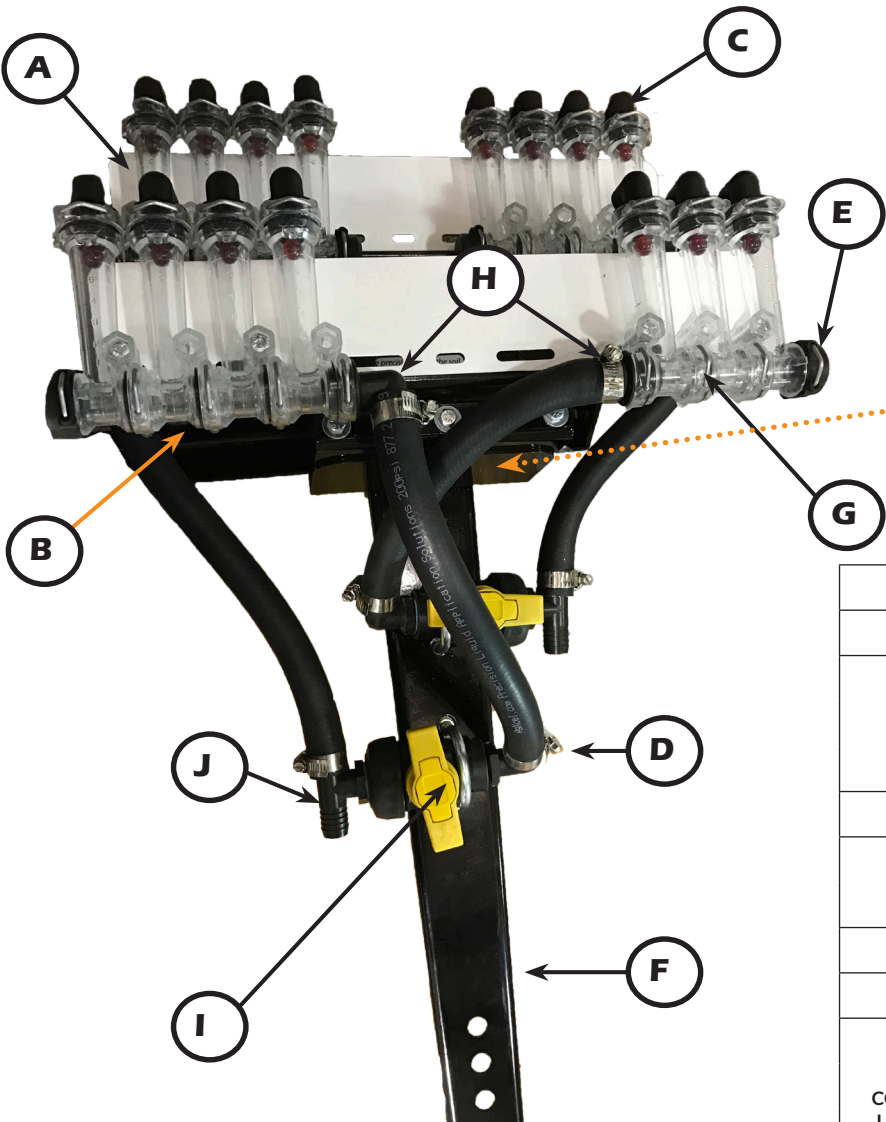
INTER PLANT

Sample Illustration of an inter plant wilger column setup

SIGHT COLUMN BRACKETS		
PN#		DESCRIPTION
A	406	UP TO 6R WHT BACKDROP
	414	UP TO 8R WHT BACKDROP
	20106	UP TO 12R WHT BACKDROP
B	18082	MOUNTING BRACKET FOR PN#406
	18088	MOUNTING BRACKET FOR PN#414
	18083	MOUNTING BRACKET FOR PN#20106
SIGHT COLUMN HARDWARE KIT - PN#38324 One kit is used for mounting up to 12R onto a GX1 chassis (tomahawk) bracket.		

PLUMBING	
308	3/4" BLK HOSE (Use #12 Clamps - PN#19646)
19920	1/4" BLK TUBING
54121	3/8" BLK TUBING
17614	3/8" BLK HOSE (Use #6 Clamps - PN#17649)

C	25709	1/4" PTC TOPS
	18033	3/8" BARB TOPS
	17655	3/8" PTC TOPS
REMOTE GAUGE KIT OPTIONAL ADD-ON	53769	60 PSI REMOTE GAUGE KIT
	53770	160 PSI REMOTE GAUGE KIT



Older style setup for Inter plant manifold

D	32331	3/4 MNPT X 3/4 HOSE BARB 90°
E	18039	COLUMN END CAP & CLIP
F	38260	GX1 CHASSIS (TOMAHAWK ONLY)
	54123	GXSWIVEL KIT (NO TOMAHAWK)
	428	GXCHASSIS SWIVEL KIT (COMPLETE)
G	25682	LOCK U CLIP
H	18034	3/4" HOSE SHANK - ELBOW
	18032	3/4" HOSE SHANK
I	18000	3/4" 2 WAY BALL VALVE
J	32477	3/4 MNPT X 3/4HB X 3/4HB TEE
COMMON UBOLT(S)	53578	GXUBOLT 7 X 8 1/2" (CASE/JD)
	20329	GXUBOLT 5 X 7 X 1/2"
	17585	GXUBOLT 5 X 8 X 1/2" (KINZIE)
	38446	GXUBOLT 7 X 5 X 1/2"

INTER PLANT

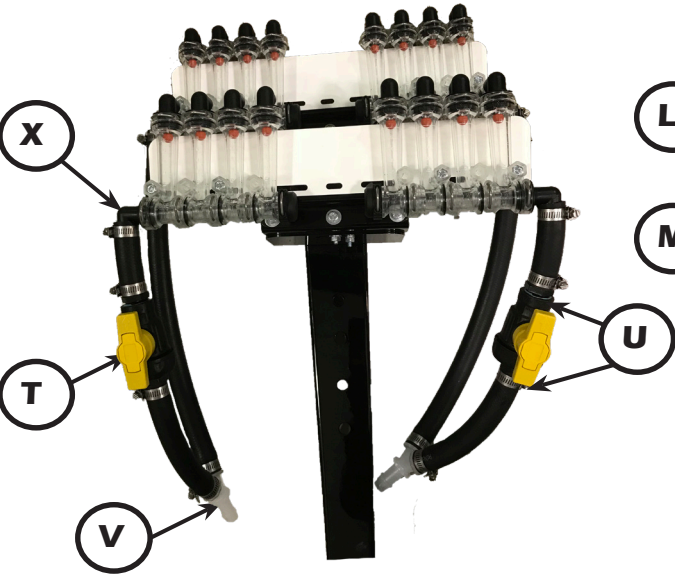
Sample Illustration of an inter plant wilger column setup

INTER PLANT ASSEMBLY		
K	19646	SST - #12 CLAMP
L	54662	ELBOW T3F D.20 = 3/4" (QTY 2)
M	54701	2-WAY BALL VALVE T3M
	54674	O RING VITON (QTY 3)
N	54664	HOSE TAIL T3M D.20 = 3/4"
	54674	O RING VITON
O	54677	FORK FOR T3 FITTINGS

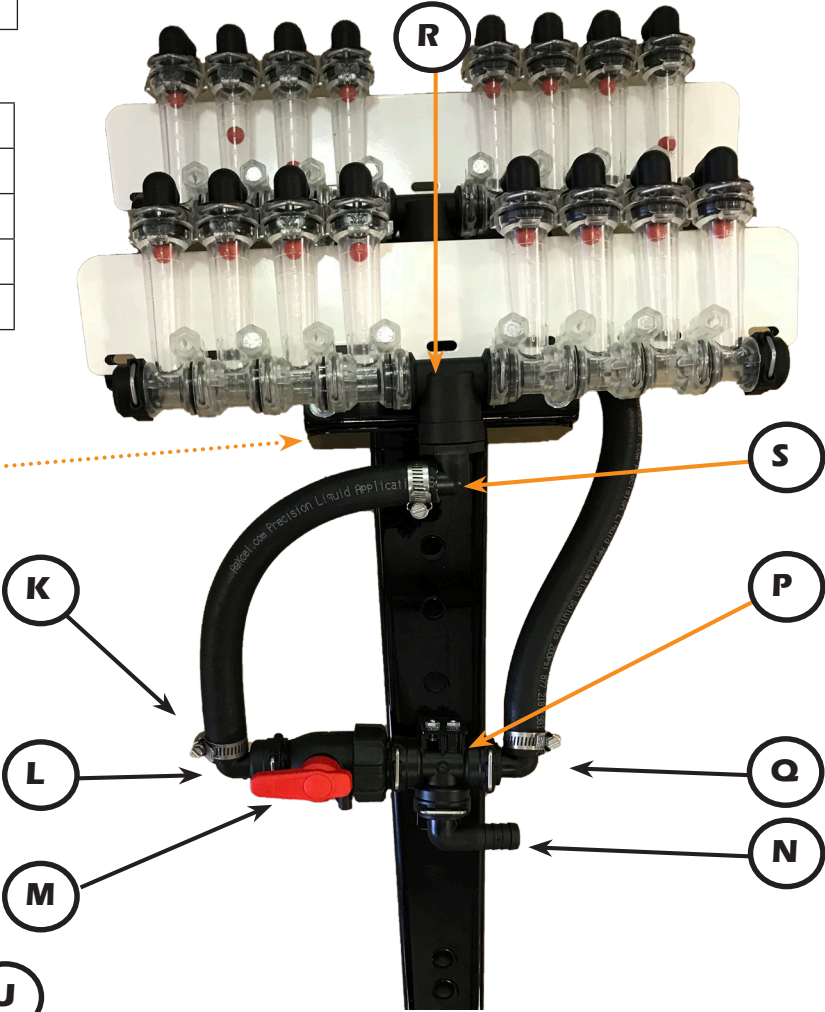
P	54669	"T" FITTING T3F-T3F-T3F
	17702	T FITTING MOUNTING BRACKET
Q	308	3/4" BLACK HOSE
R	18041	ORS MXMXF TEE
S	18034	3/4" HB ORS ELBOW

PLUMBING	
308	3/4" BLK HOSE (Use #12 Clamps - PN#19646)
19920	1/4" BLK TUBING
54121	3/8" BLK TUBING
17614	3/8" BLK HOSE (Use #6 Clamps - PN#17649)

An extended swivel bracket (PN# 54839) allows the flow indicator assembly bracket to mount at an angle and at a distance away from secondary assembly for improved viewing



**ABOVE - manifold example reflects a corn and bean setup with sections. Constant flow to top row with shut off to lower row. **



T	18000	3/4" 2 WAY BALL VALVE
U	18005	3/4" MPT 3/4" HB
V	18204	3/4" POLY Y FITTING
X	18034	3/4" HB ELBOW

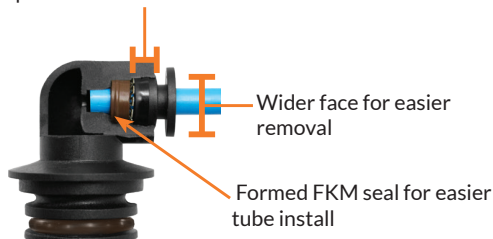
SIGHT COLUMN COMPONENTS		
	PN#	DESCRIPTION
	25709	Wilger Top cap 1/4" QC
	25712	Tube guide for 1/4" QC
	18033	3/8" Hose Shank inlet - 90 degree
	25701	1/2" Hose Shank inlet - 90 degree
	17655	Wilger Top Cap 3/8" QC
	25718	Collet for 3/8" QC (not pictured)
	19898	Wilger Top Cap 3/8" FNPT (no fittings threaded end only)
	38260	GX Chassis (Tomahawk) Approx. 32.5" Tall
	19992	FKM "O" ring for use between flow columns & on wilger tops
	25686	Viton "O" ring for use between flow columns & on wilger tops
	32239	3/4" Hose Shank inlet (used with center fed tee PN# 18037)
	52142	1/4" Poly Elbow (used with center fed tee PN# 18037 tee for gauge)
	262	QC3 - 1/4"QC TO 1/4" QC
	20407	QC15 - 3/8" QC TO 3/8" QC (not pictured)
	38240	QC7 - 1/4" QC TO 3/8" QC

NOTE: Old style will be available until current stock is exhausted.



The 1/4" Push-in tube outlets have received a full redesign for heavier duty sealing and easier release.

Independent teeth & collet



** This redesign also applies to the radial lock caps on check valves **

CAP ASSEMBLY:

Snap in Strainer & Seal adapter
(PN# 25953)

O-ring seal - FKM (PN# 25951)
O-ring seal - Viton (PN# 25952)

3/8 Hose barb cap (SHOWN)



SIGHT COLUMN COMPONENTS		
	PN#	DESCRIPTION
	18032	3/4" Hose Shank
	56153	1" Hose Shank
	18034	3/4" Hose Shank inlet - 90 degree
	18039	Column end cap & clip
	25682	Clip only
	18082	Mounting Bracket for PN#406
	18088	Mounting Bracket for PN#414
	18083	Mounting Bracket for PN#20106
	406	up to 6R Flow Column Backdrop (white)
	414	up to 8R Flow Column Backdrop (white)
	20106	7 - 12R Flow Column Backdrop (white)
	25687 25689 53496 20985 55153	Wilger Low Flow Column w/balls,clip, retainer (no top) Wilger Low Flow clear column ONLY (Not shown) Wilger Low Flow ISO Feed w/balls, clip, retainer - (no top) Wilger Standard Column w/balls,clip, retainer (no top) Wilger Standard clear column ONLY (Not Shown)
	37617	Wilger Low Flow Columns - 4 pk 1/4" QC tops w/end cap
	56573	Wilger Low Flow Columns - 4 pk 3/8" HB tops w/end cap
	37723	Wilger Low Flow Columns - 4 pk 3/8" QC tops w/end cap
	37637	Wilger Standard Column - 4 pk 3/8" HB tops w/end cap
	37724	Wilger Standard Columns - 4 pk 3/8" QC tops w/end cap
	18037	Wilger center fed tee
	Note:	(will need PN# 32239 1" MNPT X 3/4" HB to connect inlet hose - see pg. 24) - Note: for use with a gauge be sure to add PN#52142)
	25681	Flow column ball retainer

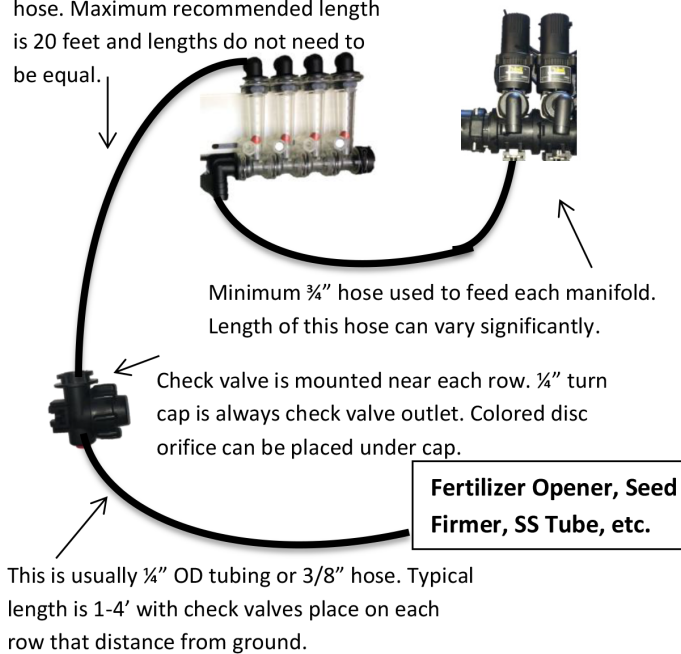


FLEXIBLE CONFIGURATIONS

Floating ball manifolds are extremely flexible and can be mounted in many different configurations on various types of liquid implements. The following illustrations will provide some general concepts on how to configure your implement.

Plumbing Overview

This is typically $\frac{1}{4}$ " OD tubing or $\frac{3}{8}$ " hose. Maximum recommended length is 20 feet and lengths do not need to be equal.

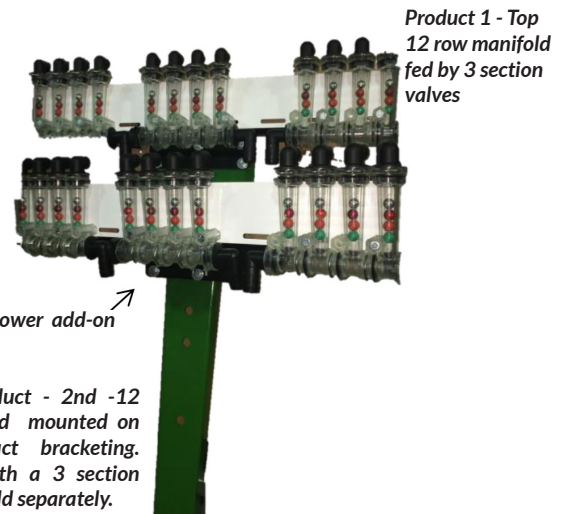


12 Row Dual Product

Product 1 - Split 4 - 4 - 4

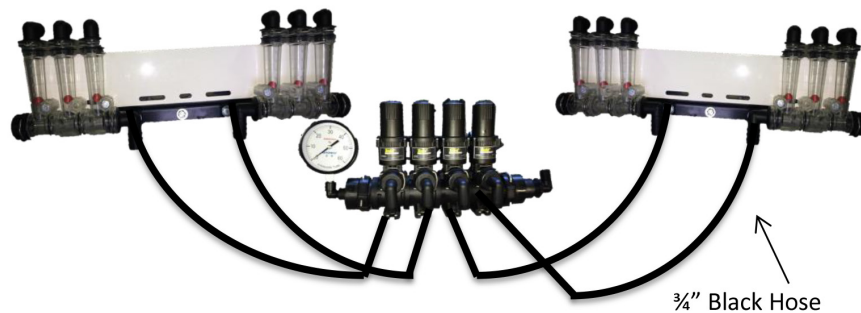
Product 2 - Split 4 - 4 - 4 (add-on 12 Row)

Shown here is a 12 row with three - 4 row sections controlled by a 3 section valve kit. Note each 12R T-bracket can hold 3 separate 4 row manifolds. Second product is similar and mounted lower with an extended swivel bracket kit. Each product kit and section valve kit is sold separately.



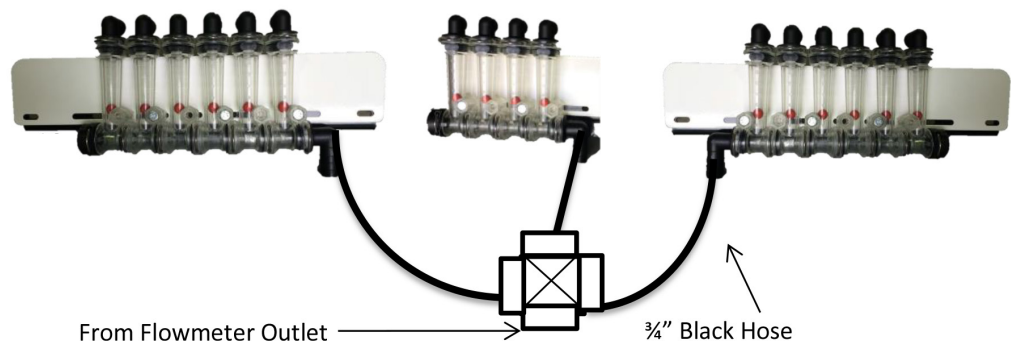
12 Row Split 3 - 3 - 3 - 3

Shown here is a 12 row with four - 3 row sections controlled by a 3 section valve kit. Note each 6R T-bracket can hold two separate 3 row manifolds. A 4 section 24 row could be similar with four 6 row manifolds on two large 12R T-brackets.



16 Row Split 6 - 4 - 6

This configuration works well on a 16 row front fold planter. Each flow indicator manifold is shown fed by a cross in a single section installation. Each manifold could be fed by a section valve if desired.





IF FEEDING YOUR GX6 SYSTEM FROM A FLOATING BALL MANIFOLD

The inlet to each dual body will be dependant on the outlet on the visual sight columns. For instance, if the outlet is 1/4 QC then you will feed each GX6 dual body with a 1/4" QC inlet that will thread into the GX6 dual check body. Below are our default adapters available for each feed type.

NOTE: Add-on kits **DO NOT** include all the components of a full manifold kit. These components will need to be added to complete set up.

DEFAULT INLET ADAPTERS FROM SIGHT GAUGE

PN#	DESCRIPTION
	20395 QC13 = 1/4" QC TO 3/8" MALE NPTF
	54442 QC14 = 1/4" QC TO 3/8" NPTF
	54001 QC11 = 3/8 NPTF X 3/8" QC 90°
	32264 3/8" MNPT X 3/8" HB POLY
	32343 3/8" MNPT X 3/8" HB POLY ELBOW

METERING TUBES

PN#	DESCRIPTION
38233	GX6MT - PINK
38241	GX6MT - YELLOW
38237	GX6MT - GREY
38242	GX6MT - NAVY BLUE
38243	GX6MT - BROWN
38250	GX6MT - SKY BLUE
38251	GX6MT - GREEN
38245	GX6MT - PURPLE
38246	GX6MT - ORANGE
38247	GX6MT - RED
38248	GX6MT - BLACK

ADDING GX6 TO EXISTING WILGERS NO BRACKET

INCLUDES:

- Valve body (4# or 10# - Single or Dual)
- Inlet option (1/4 QC, 3/8 QC, 3/8 HB or barb tee)
- End caps
- 1/4 QC flow thru QC Caps

(Does **NOT** include any poly tubing, hose, clamps, valve bracketing or metering tubes)

PN#	DESCRIPTION
54826	1 ROW SINGLE BODY NO BRACKET (4# OR 10# SINGLE VALVE) - ALL INLET TYPES
54475	1 ROW DUAL BODY NO BRACKET (4# OR 10# DUAL VALVE) - ALL INLET TYPES

ADDING WILGERS TO EXISTING GX6

INCLUDES:

- Wilger flow colimn w/Top & balls
- GX6 inlet option (1/4 QC, 3/8 QC or 3/8 HB)
- End cap
- 10FT Tubing or hose per row

(Does **NOT** include wilger back drop, bracket, wilger plumbing, wilger hardware mounting kit, GX1 Chassis (Tomahawk) Swivel kit, clamps or 3/4" Hose.)

PN#	DESCRIPTION
38253	1 ROW = 1/4"QC WILGER SET UP WITH LOW FLOW COLUMN AND @10FT 1/4 TUBING.
54453	1 ROW = 3/8"QC WILGER SET UP WITH LOW FLOW COLUMN AND @10FT 3/8 TUBING.
55361	1 ROW = 3/8" HB WILGER SET UP WITH STD FLOW COLUMN AND @10FT 3/8 HOSE

ADDING GX6 TO EXISTING WILGERS WITH BRACKET

INCLUDES:

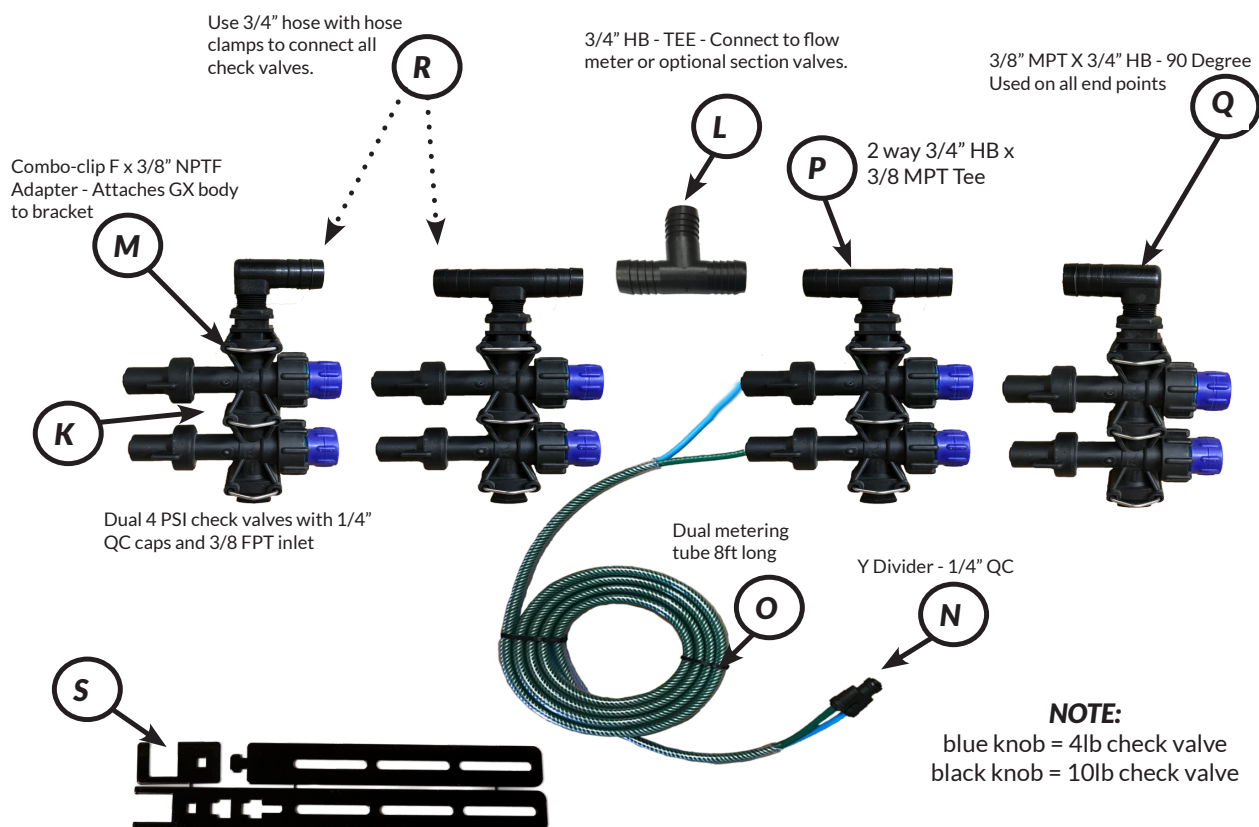
- Valve body (4# or 10# - Single or Dual)
- Inlet option (1/4 QC, 3/8 QC, 3/8 HB or barb tee)
- End caps
- 1/4 QC flow thru QC Caps
- Custom mounting bracket w/hardware kit

(Does **NOT** include any poly tubing, hose, clamps or metering tubes)

PN#	DESCRIPTION
54476	1 ROW SINGLE BODY WITH BRACKET (4# OR 10# SINGLE VALVE) - ALL INLET TYPES
53604	1 ROW DUAL BODY WITH BRACKET (4# OR 10# DUAL VALVE) - 1/4" QC INLET
53616	1 ROW DUAL BODY WITH BRACKET (4# OR 10# DUAL VALVE) - 3/8" QC INLET
53617	1 ROW DUAL BODY WITH BRACKET (4# OR 10# DUAL VALVE) - 3/8" BARB INLET

PLUMBING DIAGRAM

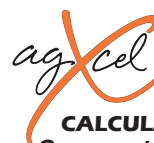
4 Row Planter Shown, add rows as necessary

**GX6 MANIFOLD ASSEMBLY**

K	55162	GX6_DUALBODYCHKVALVE4# (BODY ONLY - NO INLETS)
	55005	GX6_DUALBODYCHKVALVE10# (BODY ONLY - NO INLETS)
	55362	GX6_DUAL BODY W/BRACKET KIT
L	15	3/4" 3 WAY SHANK
M	26427	WILGER F x 3/8"NPTF ADAPTER
N	20121	1/4" QC DIVIDER
	ALT. OPTION 3/8" OD APPLICATOR	
	54011	3/8" QC DIVIDER
	54010	1/4" X 3/8" REDUCER
O	53654	GX6DUALTUBE8FT (DUAL COMES IN GREEN/SKY ONLY)
P	26148	3/4" 2 WAY SHANK
Q	26147	3/4" HOSE SHANK
R	308	3/4" BLACK HOSE
	19646	SST #12 CLAMPS
S	54044	GX6_1ROW BRACKET KIT

**DO NOT OVER TIGHTEN!**

When assembling the elbow and/or tee into the adapter casing of check valve body, be careful. It is easy to over tighten, cracking the casing. If purchased as a complete kit a couple of extra adapter bodies are provided.

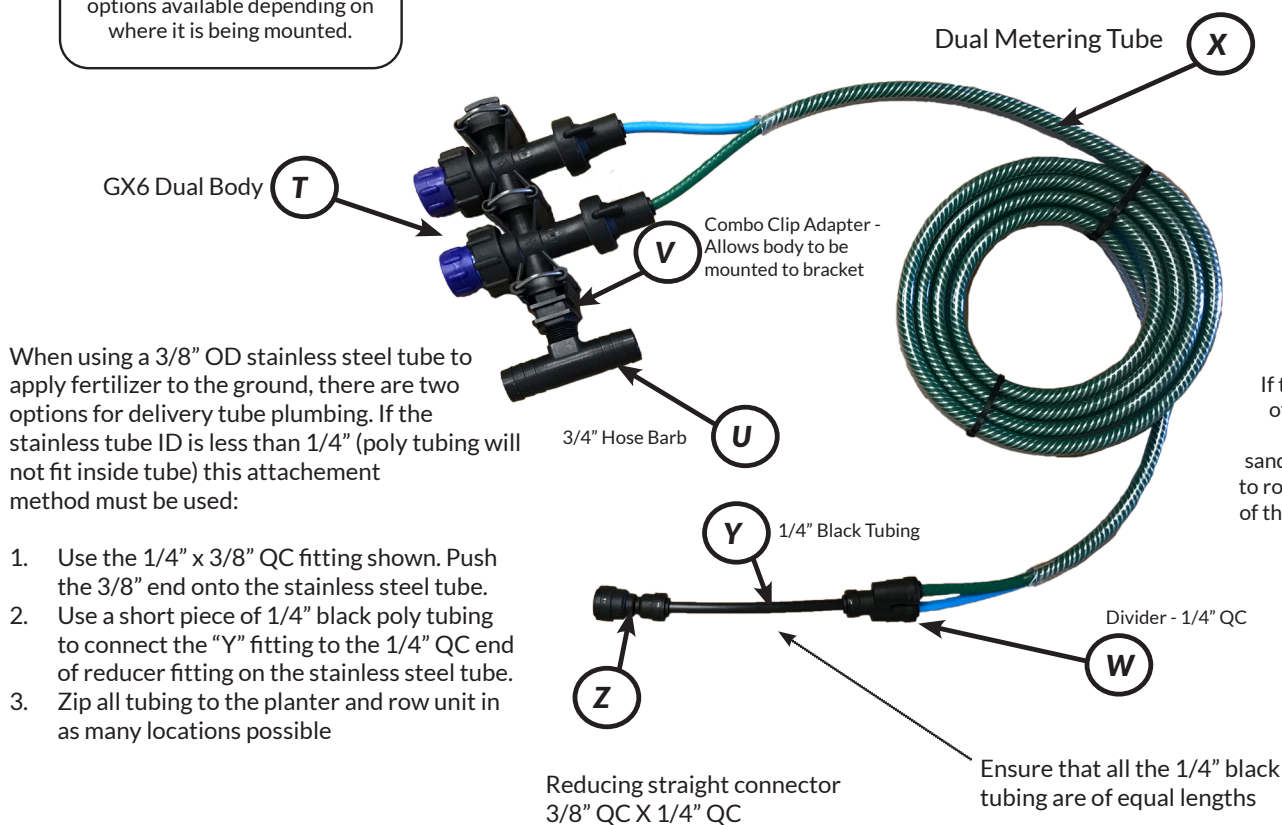
**CALCULATOR**

Our easy to use, orifice and metering tube calculator is available FREE now on the App Store.

** For variations on the GX Dual Metering Manifold when feeding the rows from visual sight gauge see pg.27 **

INSTALLATION TO STAINLESS STEEL TUBES

NOTE: For "U" there are 3 options available depending on where it is being mounted.



For thin wall stainless steel tubes, you can simply push the 1/4" black tubing all the way through the stainless steel tube so fertilizer will run directly from manifold onto the ground.

INSTALLATION TO REBOUNDER SEED COVER

1. Mount the rebounder seed cover according to the instructions sent with it.
2. Route the tube included in the rebounder optional fittings kit. Make sure all lengths are equal. The rebounder optional kits come with 30" of 1/4" poly tubing.
3. Attach the 1/4" poly tube to the 1/4" QC "Y" divider fitting.
4. Zip all tubing to the planter and row unit in as many locations as possible.

GX6 MANIFOLD ASSEMBLY		
T	55162	GX6_DUALBODYCHKVALVE4# (BODY ONLY - NO INLETS)
	55005	GX6_DUALBODYCHKVALVE10# (BODY ONLY - NO INLETS)
	55362	GX6_DUAL BODY W/BACKET KIT
U	26147	3/4" HOSE SHANK
	26148	3/4" 2 WAY SHANK
	26149	3/4" 3 WAY SHANK
V	26427	WILGER F x 3/8" NPTF ADAPTER
W	20121	1/4" QC DIVIDER
	ALT. OPTION 3/8" OD APPLICATOR	
	54011	3/8" QC DIVIDER
	54010	1/4" X 3/8" REDUCER
X	53654	GX6DUALTUBE8FT (DUAL COMES IN GREEN/SKY ONLY)
Y	19920	EVA14 - 1/4" TUBING
Z	38240	QC7 = 3/8 PTC TO 1/4" PTC

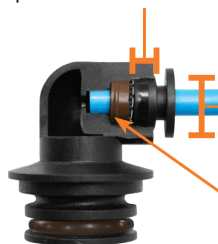


GX6 COMPONENTS		
	PN#	DESCRIPTION
	26330	GX6 10# THRU VALVE BODY (NO CAPS)
	26612	GX6 4# THRU VALVE BODY (NO CAPS)
	25682	LOCK U-CLIP
	26455	COMBO CLIP PLUG
	26427	COMBO CLIP ADAPTER X 3/8" NPT
	25803	VITON DIAPHRAGM
	26410	FKM DIAPHRAGM (NEW STYLE - SEE BELOW)
	54044	GX6 MOUNTING BRACKET W/HARDWARE & L BOLT
	38171 25953 25951 25712 25746	RADIAL CAP 1/4" QC (components below - not shown) O'RING SEAL/STRAINER RADIAL CAP OUTER O'RING (FKM) WILGER 1/4" COLLET (OLD STYLE) WILGER 1/4" TUBE GUIDE (NEW STYLE)
	54011 54010	3/8 PTC QUICK CONNECT DIVIDER "Y" 1/4 PTC X 3/8 STEM REDUCER

NEW

The 1/4" Push-in tube outlets have received a full redesign for heavier duty sealing and easier release.

Independent teeth & collet



Wider face for easier removal

Formed FKM seal for easier tube install

** This redesign also applies to the radial lock caps on check valves **

NEW**OLD****NEW**


Two piece Diaphragm & pressure pad o-ring

One piece Integrated Diaphragm/o-ring

PN# 25803
Viton OnlyPN# 25686
Viton OnlyPN# 26410
FKM Only

** Premium Viton o-rings, seals and assemblies will continue to be available **

NOTE: Old style will be available until current stock is exhausted.

GX6 COMPONENTS		
	PN#	DESCRIPTION
	26148	3/4" 2 WAY SHANK
	26149	3/4" 3 WAY SHANK
	26147	3/4" 1 WAY SHANK
	25887	FKM O-RING IN COMBO END ADAPTERS
	26337	GX6 10# END VALVE BODY - NO FLOW THRU (NO CAPS)
	37592	GX6 4# END VALVE BODY - NO FLOW THRU (NO CAPS)
	55005	GX6 DUAL BODY CHECK VALVE (10# -BLK) ASSEMBLED UNIT (pictured)
	55162	GX6 DUAL BODY CHECK VALVE (4# -BLUE) ASSEMBLED UNIT
	20121	1/4" "Y" DIVIDER

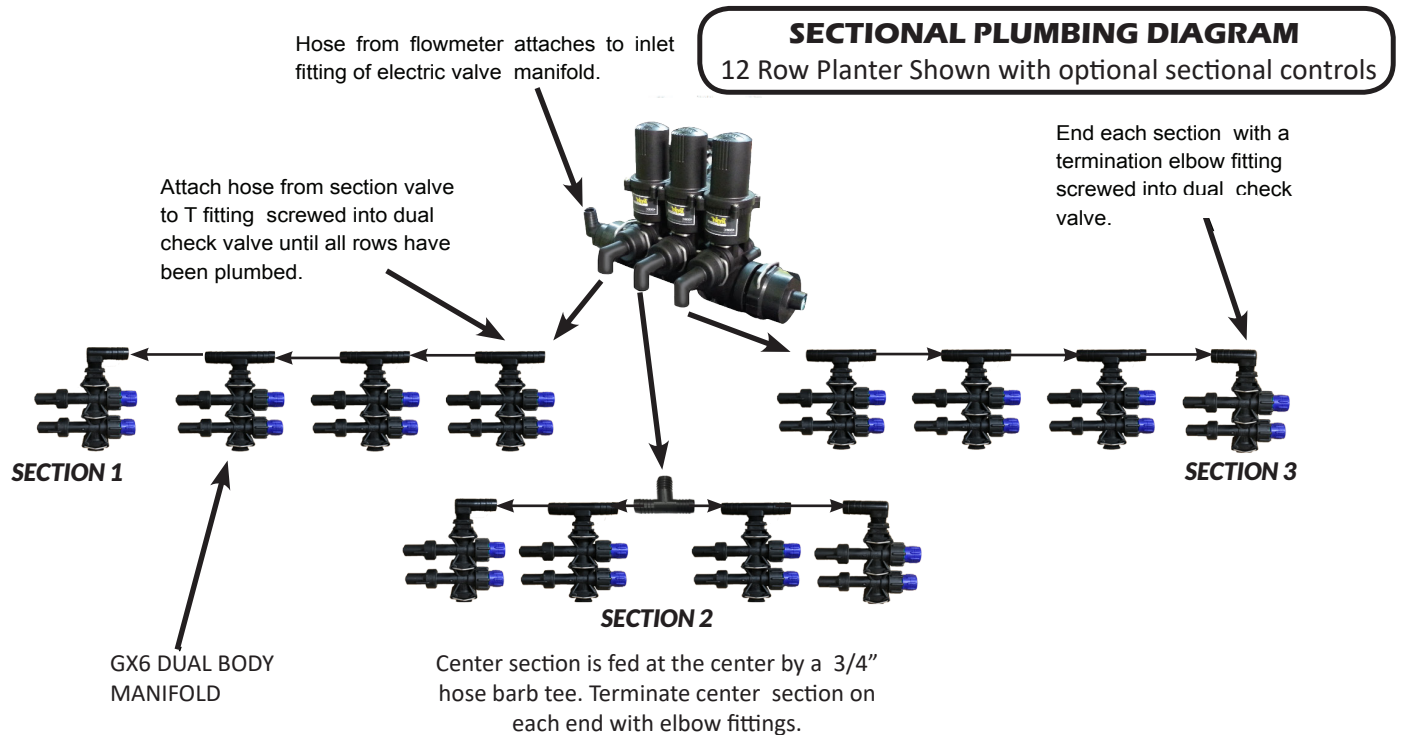
**DO NOT OVER TIGHTEN!**

When assembling the elbow and/or tee into the adapter casing of check valve body, be careful. It is easy to over tighten, cracking the casing. If purchased as a complete kit a couple of extra adapter bodies are provided.



Our easy to use, orifice and metering tube calculator is available FREE now on the App Store.
















TIP: For a 2 section plumbing system, simply omit the center section and plumb similar to the outside 2 sections in the above diagram.



DO NOT OVER TIGHTEN!

When assembling the elbow and/or tee into the adapter casing of check valve body, be careful. It is easy to over tighten, cracking the casing. If purchased as a complete kit a couple of extra adapter bodies are provided.

METERING TUBES		
PN#		DESCRIPTION
38233		GX6MT - PINK
38241		GX6MT - YELLOW
38237		GX6MT - GREY
38242		GX6MT - NAVY BLUE
38243		GX6MT - BROWN
38250		GX6MT - SKY BLUE
38251		GX6MT - GREEN
38245		GX6MT - PURPLE
38246		GX6MT - ORANGE
38247		GX6MT - RED
38248		GX6MT - BLACK

NEW

O-ring Upgrade: FKM

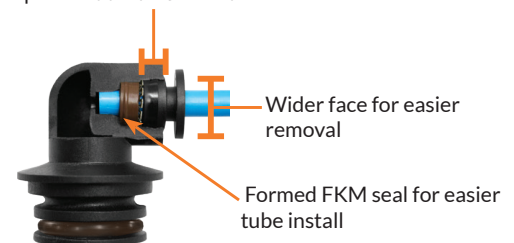
All Wilger parts are transitioning to being manufactured with FKM O-rings & seals. The fluoroelastomer (FKM) o-ring provides superior chemical resistance and durability over Buna o-rings.

** Premium Viton o-rings, seals and assemblies will continue to be available **

NEW

The 1/4" Push-in tube outlets have received a full redesign for heavier duty sealing and easier release.

Independent teeth & collet



** This redesign also applies to the radial lock caps on check valves **

ORS WILGER DRILL MANIFOLD

For applications that do not require visual monitoring, our NEW ORS manifold is a cost effective way to split up and meter flow directly from your feeds to your outlets.

Compatible with all ORS fittings and components.

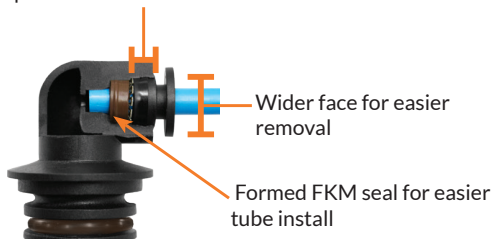
Easy push pin assembly unlike older PVC style manifolds.

Mounting Bracket is versatile to either mount vertically or horizontally across a tool bar.

NEW

Independent teeth & collet

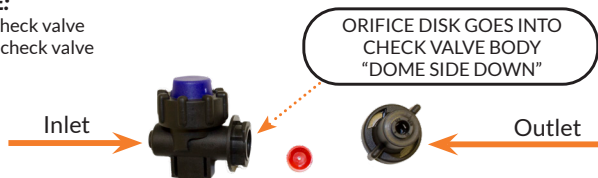
The 1/4" Push-in tube outlets have received a full redesign for heavier duty sealing and easier release.



** This redesign also applies to the radial lock caps on check valves **

NOTE:

blue cap = 4lb check valve
black cap = 10lb check valve



E



*4 port manifold shown

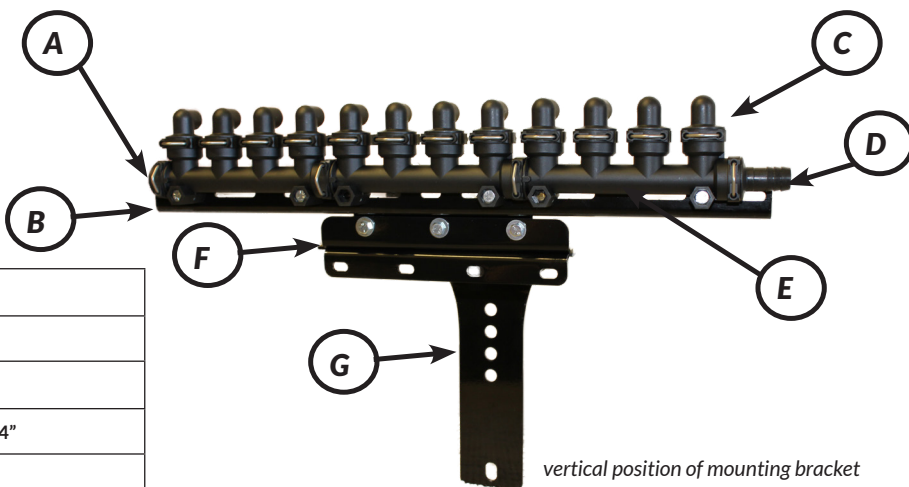


horizontal position of mounting bracket

Mounting brackets for the ORS manifold are versatile giving the option to mount horizontal or vertical against the tool bar.

ORS WILGER MANIFOLD

PN#		DESCRIPTION
A	18039	END CAP W/CLIP (SEE BELOW)
	25744	FLOW THRU INLET 1/2 FPT (SEE ABOVE)
	32248	1/2" MPT TO 3/4" HB (USED W/#25744)
B	18082	MOUNTING BRACKET
	18088	MOUNTING BRACKET
	18083	MOUNTING BRACKET
COLUMN HARDWARE KIT - PN#38324 Hardware kit used for mounting up to 12R		



vertical position of mounting bracket

C	25709	1/4" PTC TOPS
	18033	3/8" BARB TOPS
	17655	3/8" PTC TOPS
D	18032	WILGER STRAIGHT SHANK 3/4"
	18034	WILGER 90° SHANK 3/4"
	56153	WILGER STRAIGHT SHANK 1"
OPTIONAL CENTER FEED SETUP - NOT SHOWN	18037	WILGER FEMALE TEE
	32239	1" MNPT X 3/4" HB POLYPRO
	18041	ORSMxORSMxORSF TEE (USE W/'D ABOVE)

E	55666	QRS MANIFOLD BUNA 1P
	55664	QRS MANIFOLD BUNA 2P
	55665	QRS MANIFOLD BUNA 3P
	55400	QRS MANIFOLD BUNA 4P*
F	54499	SADDLE MOUNTING BRKT
G	54498	LOWER ANGLE "SCOOP" BRKT



CALCULATOR

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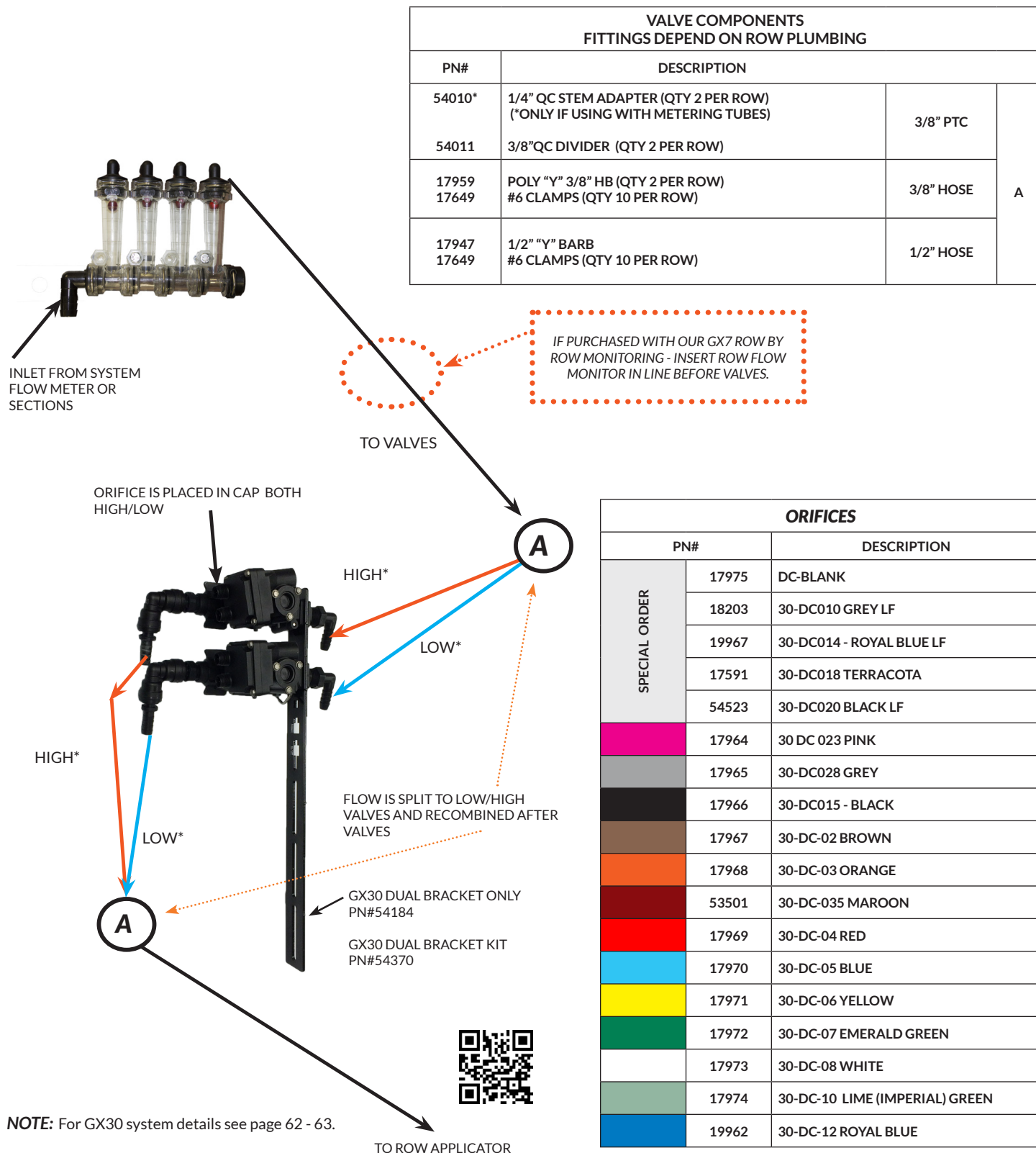
P 877.218.1981

W WWW.AGXCEL.COM



GX30 VALVE ASSEMBLY LAYOUT

There are a variety of configurations for the GX30i valves. However, the most common will be 3/8" QC with 3/8" tubing or 3/8" barb with 3/8" hose. When the GX30i is used in conjunction with a floating ball manifold the line out of the wilger tops will be split prior to reaching the dual valves and properly re-integrated after the valves. (see illustration)

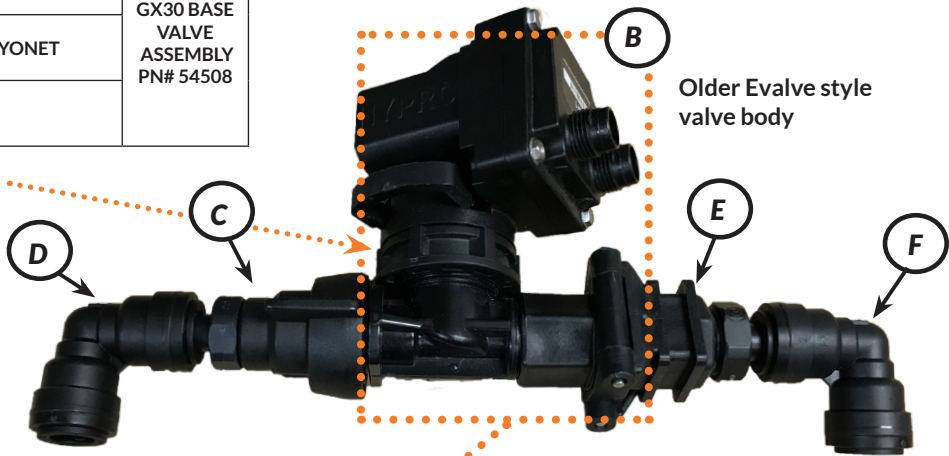


GX30 VALVE ASSEMBLY**GX30 VALVE OLDER BODY ASSEMBLY**

PN#	DESCRIPTION	B COMPLETE GX30 BASE VALVE ASSEMBLY PN# 54508
54333	GX30PROSTOP - EVALVE (VALVE ONLY)	
54379	PRO STOP BODY 1/4" MNPT/BAYONET	
26453	COMBO CLIP MALE ADAPTER 1/4" THREAD	

NOTE: The top of the valve can spin to any desired direction simply by pulling out the locking pin slightly, lift the head of the valve, and face desired direction.

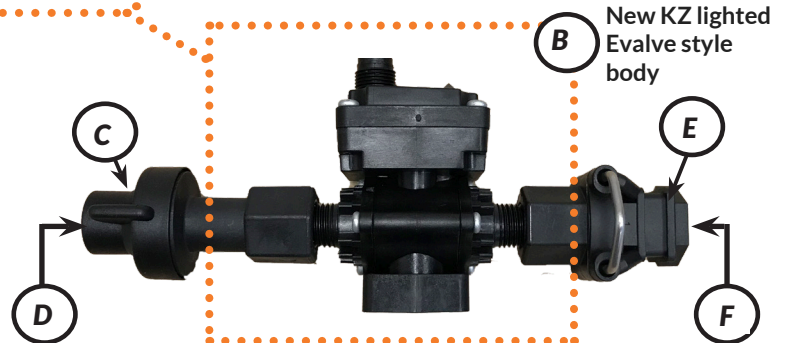
This is the base assembly of every GX30iVRT Valve body per row. The only changes will be the inlet/outlet components depending on how the rows are plumbed or using metering tubes instead of orifices



NOTE: For GX30 system details see page 62 - 63.

GX30 VALVE NEWER KZ BODY ASSEMBLY

PN#	DESCRIPTION	B COMPLETE GX30 BASE VALVE ASSEMBLY PN# 56646
56098	GX30PROSTOP - KZ LIGHTED EVALVE (VALVE ONLY)	
26310	COMPACT BODY 1/4" F NPT	
26453	COMBO CLIP MALE ADAPTER 1/4" THREAD	



ITEMS D & F for the **NEW** style bodies are the same as the old depending on plumbing and if using metering tubes instead of orifices. See GX6MT option for metering tubes.

**OUTLET VALVE COMPONENTS
FITTINGS DEPEND ON ROW PLUMBING**

PN#	DESCRIPTION	OLD STYLE	NEW STYLE	C
35660	QUICK ATTACH CAP W/GASKET			
26001	RADIAL 1/4" NPTF CAP BLACK			
54457	SWIVEL FITTING 90D X 3/8" QC	3/8QC		
54457 20808	SWIVEL FITTING 90D X 3/8" QC 3/8" STEM X 3/8" BARB (USE #6 CLAMPS PN#17649)	3/8HB		D
54456	SWIVEL FITTING 90D 1/4" QC	1/4QC		
54522	3/8" STEM X 1/4" NTPF			
20347	3/8" UNION X 1/2" QC		1/2HB	
20354	1/2" STEM X 1/2" BARB (USE #6 CLAMPS PN#17649)			GX6MT
260	QC1 - 1/4 QC TO 1/4 MNPT 90°			
20024	1/4 STEM TO 1/4 QC 90 DEGREE			
168	QC9 - 1/4 QC TO 1/4 FNPT			

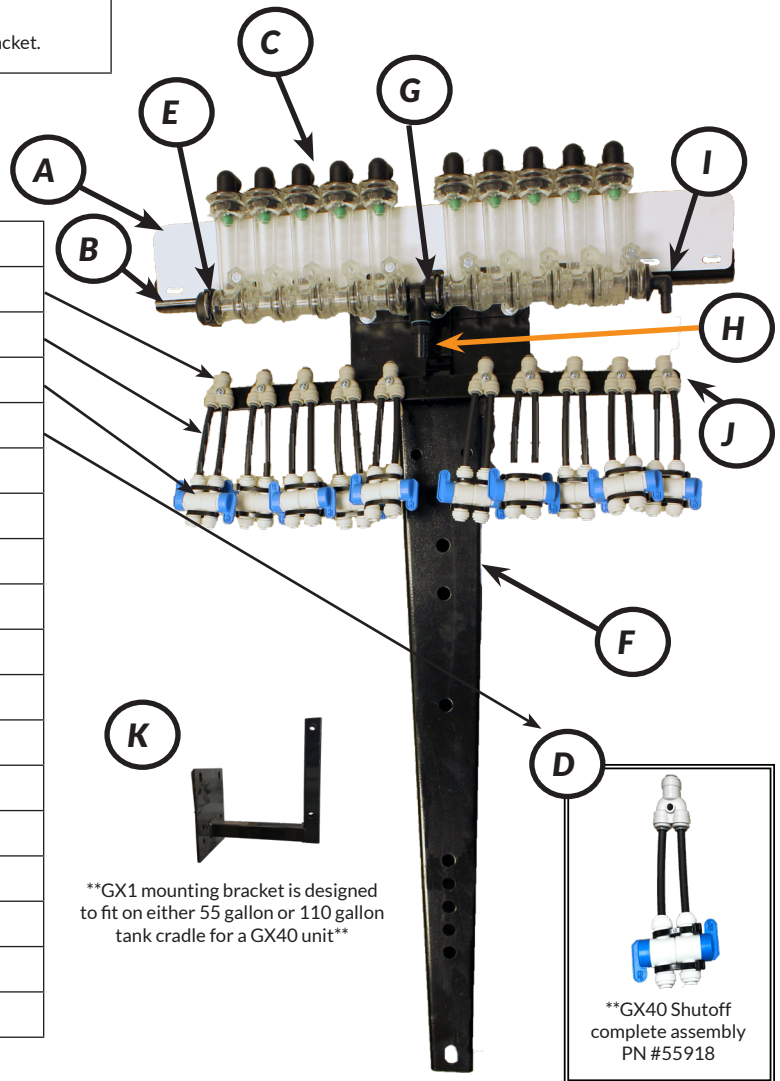
**INLET VALVE COMPONENTS
FITTINGS DEPEND ON ROW PLUMBING**

PN#	DESCRIPTION	ALL	E	F
26427	COMBO CLIP F X 3/8" NPTF ADAPTER			
54458	SWIVEL FITTING 90D X 3/8" QC	3/8QC		
54458 20808	SWIVEL FITTING 90D X 3/8" QC 3/8" STEM X 3/8" BARB (USE #6 CLAMPS PN#17649)	3/8HB		
54028 54591	3/8" UNION 1/4" QC ELBOW 3/8" STEM X 3/8" BARB	1/4QC		F
54591	3/8" STEM X 3/8" NTPF			
20347	3/8" UNION X 1/2" QC		1/2HB	
20354	1/2" STEM X 1/2" BARB (USE #6 CLAMPS PN#17649)			

GX40 SIGHT COLUMN BRACKETS		
PN#	DESCRIPTION	
A	406	UP TO 6R WHT BACKDROP
	414	UP TO 8R WHT BACKDROP
	20106	UP TO 12R WHT BACKDROP
B	18082	MOUNTING BRACKET FOR PN#406
	18088	MOUNTING BRACKET FOR PN#414
	18083	MOUNTING BRACKET FOR PN#20106
SIGHT COLUMN HARDWARE KIT - PN#38324 One kit is used for mounting up to 12R onto a GX1 chassis (tomahawk) bracket.		

HARDWARE TO MOUNT SHUTOFF ASSEMBLY		
1 OF EACH PER ROW	PN#	DESCRIPTION
	715	6-32 NYLON LOCK NUT
	714	6-32X1" PHIL RH MS
	18182	#6 SAE FLAT WASHER

C	25709	1/4" PTC TOPS
D	37721	DIVIDER W/MOUNT HOLE
	19920	EVA14
	19848	1/4" PTC SHUTOFF (QTY 2)
	55918	**GX40 SHUTOFF ASSEMBLY (KIT)
E	18039	COLUMN END CAP & CLIP
F	38260	GX1 CHASSIS (TOMAHAWK ONLY)
G	18042	ISOLATED FEED
H	32264	3/8" MNPT TO 3/8" HOSE BARB
I	18033	3/8" HOSE SHANK-90 DEG
	25682	LOCK U-CLIP
J	17701	GX1SHUTOFFBRACKET
K	17709	GX1OFFSETMANIFOLD MOUNT KIT
	17704	GX1OFFSETBRACKET ONLY
COMMON UBOLT(S)	17703	GXUBOLT 6 X 5 1/2" x 1/2"
	37726	GXUBOLT 4 X 7 X 5/8"
	55222	GXUBOLT 6 X 8 1/2" x 5/8"
	20554	GXUBOLT 6 X 8 X 5/8"



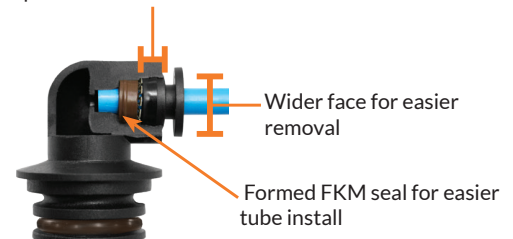
Implements that are less than 60 ft. wide need to be setup as one section in order to prevent range dropping below flow meter capabilities at lower speeds. Using more sections is not recommended.

System must be flushed out after every use to avoid damaging components

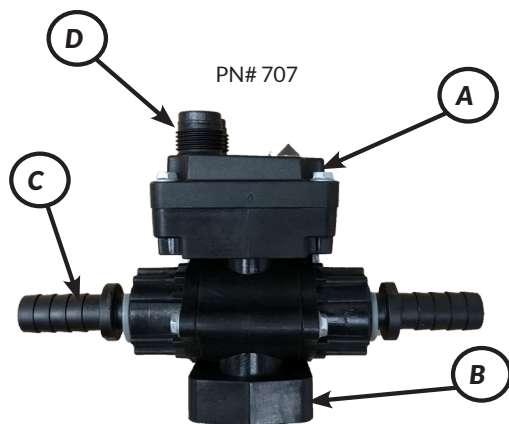


The 1/4" Push-in tube outlets have received a full redesign for heavier duty sealing and easier release.

Independent teeth & collet



** This redesign also applies to the radial lock caps on check valves **



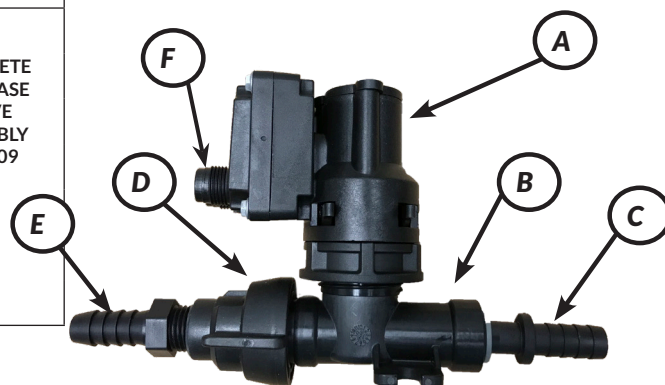
PN# 707

GX40 VALVE BODY ASSEMBLY (NEWER STYLE)

PN#		DESCRIPTION	COMPLETE Gx40 BASE VALVE ASSEMBLY PN# 707
A	55716	GX30PROSTOP - E VALVE M12 (VALVE ONLY)	
B	17720	PRO STOP BODY BRACKET (NOT SHOWN)	
C	20808	3/8" TUBE TO 3/8" BARB (2 REQ'D)	
D	37665	GX40 M12CAP (NOT SHOWN)	

GX40 VALVE BODY ASSEMBLY (OLDER STYLE)

PN#		DESCRIPTION	COMPLETE Gx40 BASE VALVE ASSEMBLY PN# 709
A	54333	GX30PROSTOP - E VALVE (VALVE ONLY)	
B	54379	PRO STOP BODY 3/8" PTC	
C	20808	3/8" TUBE TO 3/8" BARB	
D	35660	QUICK ATTACH CAP	
E	32253	1/4" MNPT X 3/8" HOSE BARB	
F	37665	GX40 M12 CAP (NOT SHOWN)	



PN# 709



PN#	DESCRIPTION
55634	GX40 DUAL TUBING - 12 FT SKY/NAVY
55938	GX40 DUAL TUBING - 12 FT GREY/NAVY
38251	GXMT GREEN (SOLD BY THE FT) NOTE: GX40 USES 4FT OF GREEN MT PER ROW.
20121	1/4" PTC DIVIDER
55212	.3# IN-LINE CHECK VALVE

GX40 SIGHT COLUMNS

PN#		DESCRIPTION
LOW FLOW	25689	Wilger Low Flow Column Only
	25687	Wilger Low Flow Column W/balls, clip, retainer (No Top)
	37617	Wilger Low Flow Complete Column(s) - 4 pack w/ End cap, clips & 1/4" QC Tops
BALL SELECTION FOR THE GX40		
1-3 GPA	18077	Green Plastic* Ball
2-4 GPA	18078	Red Plastic* Ball
*For 32 oz/acre at 7mph or less the Green ball works the best. Higher speeds may work better with the Red ball **		

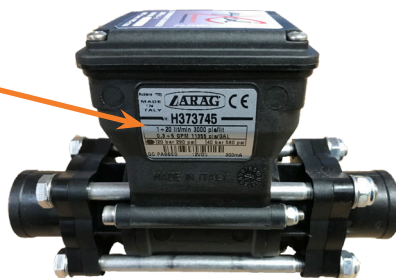
GX40 PRO STOP HARNESSING

PN#	SIZE	M12 TO 3 PIN CONNECTORS
54406	3FT	
54408	6.5FT	
55410	9.8FT	
54412	13FT	
54414	19FT	
54416	29FT	
54418	39FT	
**CUSTOM GX40 BOOM EXTENSIONS AVAILABLE AT EXTRA COST **		

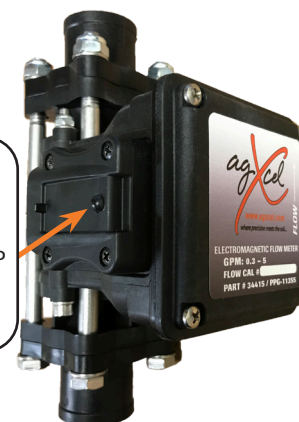


AGXCEL MAGNETIC/TURBINE FLOW METERS

Serial number, flow meter range and calibration number are all listed on the side label.



The new style Magnetic Flow Meters have a black body casing with an integrated AMP Super seal connector.



When using a magnetic flow meter one of the harnesses below must be used for the OEM controller to be able to calculate the flow. See charts below.

NEW

****NOTE:** New updates to controllers can now input 5 digits. The "New" chart reflects this change. However, If you have an older system already using a DB8 cable, use the second chart below for your cal#.

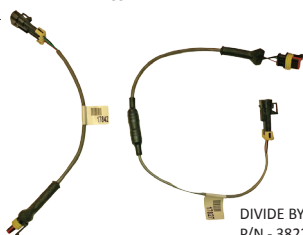
FLOW RANGE (GPM) DIVIDE BY 8 REQUIRED	PULSES PER GALLON	JOHN DEERE GS2/GS3		AG LEADER		TRIMBLE		MICROTRAK	
		DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#
0.08 - 1.6	22710	YES	2839	NO	22710	NO	22710	NO	45420
0.13 - 2.6	22710	YES	2839	NO	22710	NO	22710	NO	45420
0.3 - 5	11355	YES	1419	NO	11355	NO	11355	NO	22710
0.6 - 13	4542	NO	4542	NO	4542	NO	4542	NO	9084
1.3 - 26	2271	NO	2271	NO	2271	NO	2271	NO	4542
2.6 - 53	1135	NO	1135	NO	1135	NO	1135	NO	2270

A controller that requires a DB8 harness is due to the fact that when inputting the flow meter cal number, some controllers can only input 4 digits. A DB8 harness will take the pulses per gallon and divide it by 8. Giving you a 4 digit cal number.

NOTE: To get the cal numbers for Micro-Trak controllers the formula is - Divide by 8, multiply by 2.

FLOW RANGE (GPM) DIVIDE BY 8 REQUIRED	PULSES PER GALLON	JOHN DEERE GS2/GS3		AG LEADER		TRIMBLE		MICROTRAK	
		DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#	DB8 CABLE	CAL#
0.08 - 1.6	22710	YES	2839	YES	2839	NO	22710	YES	5677
0.13 - 2.6	22710	YES	2839	YES	2839	NO	22710	YES	5677
0.3 - 5	11355	YES	1419	YES	1419	NO	11355	YES	2839
0.6 - 13	4542	NO	4542	NO	4542	NO	4542	YES	1135
1.3 - 26	2271	NO	2271	NO	2271	NO	2271	NO	4542
2.6 - 53	1135	NO	1135	NO	1135	NO	1135	NO	2270

STANDARD ADAPTER HARNESS.
P/N - 53671



DIVIDE BY 8 HARNESS
P/N - 38228

AGXCEL TURBINE FLOW METERS

FM750 Reg
Micro-Trak Cal Number - 145 (SprayMate, Auto-X)
Pulses Per Gallon - 72.50 (JD, AGL, Trimble)
Pulses Per 10 Gallon - 725 (Raven)

FM750 LF
Micro-Trak Cal Number - 466 (Spraymate, Auto-X)
Pulses Per Gallon - 233 (JD, AGL, Trimble)
Pulses Per 10 Gallon - 2330 (Raven)

AGXCEL WOLF FLOW METERS

WOLF Reg
Micro-Trak Cal Number - 1890 (SprayMate, Auto-X)
Pulses Per Gallon - 945 (JD, AGL, Trimble)
Pulses Per 10 Gallon - 9450 (Raven)

WOLF LF
Micro-Trak Cal Number - 7680 (Spraymate, Auto-X)
Pulses Per Gallon - 3840 (JD, AGL, Trimble)
Pulses Per 10 Gallon - 38400 (Raven)

GX ORION MAGNETIC FLOW METER KITS		FLOW METER ONLY
KIT PN#	DESCRIPTION	PN#
54877	GXORION KIT - (0.08 TO 1.6 GPM) W/BACKET & MOUNTING HARDWARE	54250
54876	GXORION KIT - (0.13 TO 2.6 GPM) W/BACKET & MOUNTING HARDWARE	34412
54875	GXORION KIT - (0.3 TO 5 GPM) W/BACKET & MOUNTING HARDWARE	34415
54872	GXORION KIT - (0.6 TO 13 GPM) W/BACKET & MOUNTING HARDWARE	53615
54874	GXORION KIT - (1.3 TO 26 GPM) W/BACKET & MOUNTING HARDWARE	53636
55647	GXORION KIT - (2.6 TO 53 GPM) T5M W/BACKET. MOUNTING HARDWARE & T5 FITTINGS (1 1/2" BARBS)	55689
** See graph on pg. 38 to see if magnetic flow meter requires standard or Divide by 8 Harness (DB8).**		



REQUIRES WOLF ADAPTER CABLE PN#55908

NEW WOLF TURBINE FLOW METER		FLOW METER ONLY
KIT PN#	DESCRIPTION	PN#
55909	WOLF FLOW METER 2.5/50 LT FL. (.7-13GPM) T5 F/M ENDS, WOLF HARNESS ADAPTER, BRACKETING AND 3/4" BARB T5 FITTINGS)	55864
55911	WOLF FLOW METER 10/200 LT FL. (2.6 - 53 GPM) T5 F/M ENDS, WOLF HARNESS ADAPTER BRACKETING AND T5 FITTINGS (OPTIONS OF 3/4" OR 1" BARB)	55910

Calibration/serial number Tag



FM SENSOR CABLE -ONLY- PN#53552

TIP: An elbow on any turbine flow meter can create turbulence resulting in incorrect flow readings. This is why Agxcel recommends straight barbs for the in/out of a turbine flow meter.

TURBINE FLOW METER		FLOW METER ONLY
KIT PN#	DESCRIPTION	PN#
54870	AGXCEL LF FLOW METER, FM SENSOR CABLE WITH BRACKETING. GFN FLOW METER KIT .5-12 GPM (1.9-45LPM) 150 PSI, 3/4 FLOW METER	20309
54871	AGXCEL REG FLOW METER, FM SENSOR CABLE WITH BRACKETING. 2-40 GPM (6-150 LPM) 150 PSI, 3/4 FLOW METER	38310

TURBINE HALF HOUSING -ONLY- PN#56117 (SPECIAL ORDER)

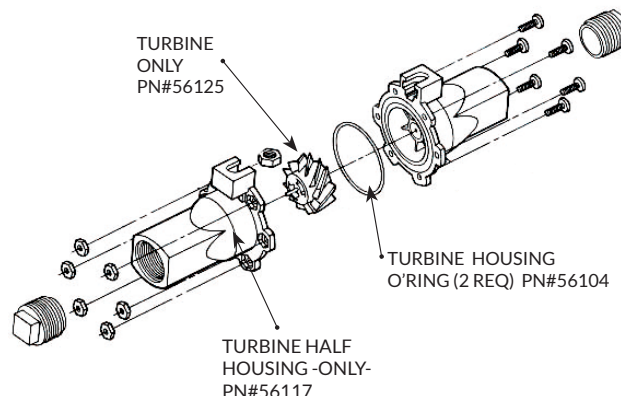
TURBINE HOUSING O-RING (2 REQ) PN#56104 (SPECIAL ORDER)

TURBINE ONLY PN#56125 (SPECIAL ORDER)

**** WARNING!!** If you disassemble the Turbine flow meter for cleaning be **EXTREMELY CAREFUL** not to damage or alter the turbine or casing for this will **VOID** your warranty **



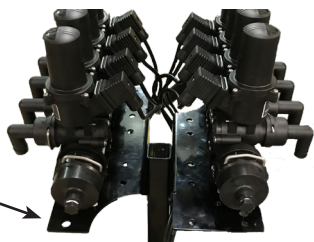
Removing metal tag from Turbine flow meters or altering casing or turbine will void warranty. Any returns or warranty issues will require original documentation (flow meter serial number/calibration tag).



GX SECTION KITS		VALVES ONLY
KIT PN#	DESCRIPTION	PN#
54833	1 SECTION VALVE SWATH KIT - INCLUDES MOUNTING BRACKET, POLY FITTINGS, HARDWARE, STAINLESS HOSE CLAMPS AND 50' OF 3/4 HOSE	54002
54834	2 SECTION VALVE SWATH KIT - INCLUDES MOUNTING BRACKET, POLY FITTINGS, HARDWARE, STAINLESS HOSE CLAMPS AND 50' OF 3/4 HOSE	40406
54835	3 SECTION VALVE SWATH KIT - INCLUDES MOUNTING BRACKET, POLY FITTINGS, HARDWARE, STAINLESS HOSE CLAMPS AND 100' OF 3/4 HOSE	40412
54836	4 SECTION VALVE SWATH KIT - INCLUDES MOUNTING BRACKET, POLY FITTINGS, HARDWARE, STAINLESS HOSE CLAMPS AND 150' OF 3/4 HOSE	40418
54837	5 SECTION VALVE SWATH KIT - INCLUDES MOUNTING BRACKET, POLY FITTINGS, HARDWARE, STAINLESS HOSE CLAMPS AND 150' OF 3/4 HOSE	40421
54838	6 SECTION VALVE SWATH KIT - INCLUDES MOUNTING BRACKET, POLY FITTINGS, HARDWARE, STAINLESS HOSE CLAMPS AND 200' OF 3/4 HOSE	40427
** Depending on section mounting location, extensions not included in kits above may be necessary. **		

SECTION EXTENSIONS	
56171	GXH_EXT20
56172	GXH_EXT30
56173	GXH_EXT40
56174	GXH_EXT50
Extensions are not included in the base kit. Use PN# 20031 for a custom sized extension.	

SECTION MOUNTING BRACKET ONLY - For up to 6 valves.
PN# 53463



Example above shows section brackets mounted back to back.



** OPTIONAL PRESSURE TRANSDUCER KIT (PN#53491) Available for purchase in place of the gauge **



PN#17693 GX5 Bracket assembly for DB models without compressor.



Optional ways to mount the sections.

PN#53957 GX5 Bracket assembly for JD 1770 NT Front Fold planter for 24 row planters. This bracket WILL NOT fit DB models.

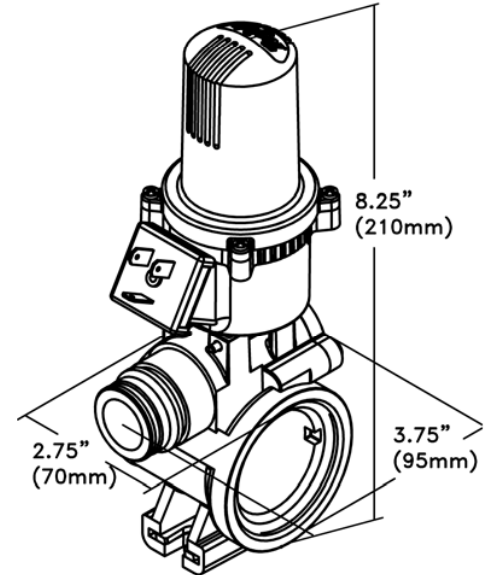


SPECIFICATIONS:

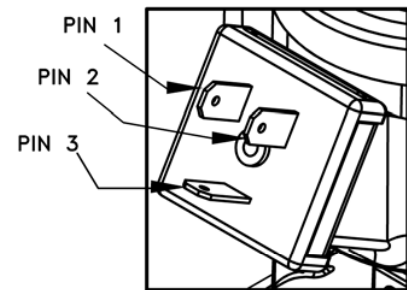
- MAXIMUM PRESSURE RATING: 215 PSI (15 BAR)
- FLOW RATE: 11.7 GPM (44 l/min) @ 5 PSI (.34 BAR) PRESSURE DROP
- FLOW RATE: 16.5 GPM (63 l/min) @ 10 PSI (.69 BAR) PRESSURE DROP
- CURRENT DRAW: LESS THAN 0.5 AMP AT 12 VDC
- RESPONSE TIME: 0.6 SECONDS
- WETTED MATERIALS: POLYPROPYLENE, STAINLESS STEEL, VITON, AND TEFLON

FEATURES INCLUDE:

- REGULATED BYPASS FEATURE SIGNIFICANTLY IMPROVES PRESSURE STABILITY WHEN BOOM SECTIONS ARE SWITCHED ON OR OFF
- GRADUATED BYPASS PORT IS ADJUSTED TO MATCH BOOM SECTION FLOW WHICH REDUCES SYSTEM PRESSURE INCREASES AND DECREASED
- REGULATED BYPASS ALLOWS THE REGULATING VALVE TO MAINTAIN A MORE STABLE POSITION
- BYPASS PORT IS COMPATIBLE WITH EXISTING TEEJET QUICK CONNECT FITTINGS
- BUILT IN MINI-DIN CONNECTOR
- "EC" STYLE IS COMPATIBLE WITH AUTOMATIC BOOM SECTION CONTROLS
- MOTOR ASSEMBLY COMPLIES WITH IP67 RATING
- QUICK RELEASE MOTOR ASSEMBLY ALLOWS FOR FIELD INSPECTION AND MANUAL VALVE ACTUATION
- ALL METAL GEARS FOR STRENGTH AND DURABILITY
- RESETTABLE INTERNAL FUSE (DISCONNECT POWER FOR 20 SECONDS TO RESET)
- "EC" STYLE MOTOR USES A SINGLE POLE, SINGLE THROW SWITCH
- STAINLESS STEEL STEM AND BALL PROVIDE EXCELLENT DURABILITY
- VALVE IS MOUNTED WITH 5/16" (8MM) BOLTS



MINI-DIN WIRING



WIRING CHART

PIN	TERMINAL	WIRING "EC"	WIRING "E"
1	(+) POS.	(+) POS.	
2	(-) NEG.	(-) NEG.	
3	SWITCHING	GROUND	

PLUMBING	
19920	1/4" TUBING
17614	3/8 BLK HOSE
17649	SST #6 CLAMPS
37619	1/2 BLK HOSE
308	3/4 BLK HOSE (PRECUT IN 50FT)
19646	SST #12 CLAMPS

MISC HARNESS	
53594	6 SECTION BOOM HARNESS
53800	12 SECTION BOOM HARNESS
20031	TRANSDUCER/SECTION (per boom) EXTENSIONCUSTOM (SOLD BY THE FT)
54097	GXH16PIN10FT
54099	GXH16PIN30FT
54102	GXH16PIN50FT

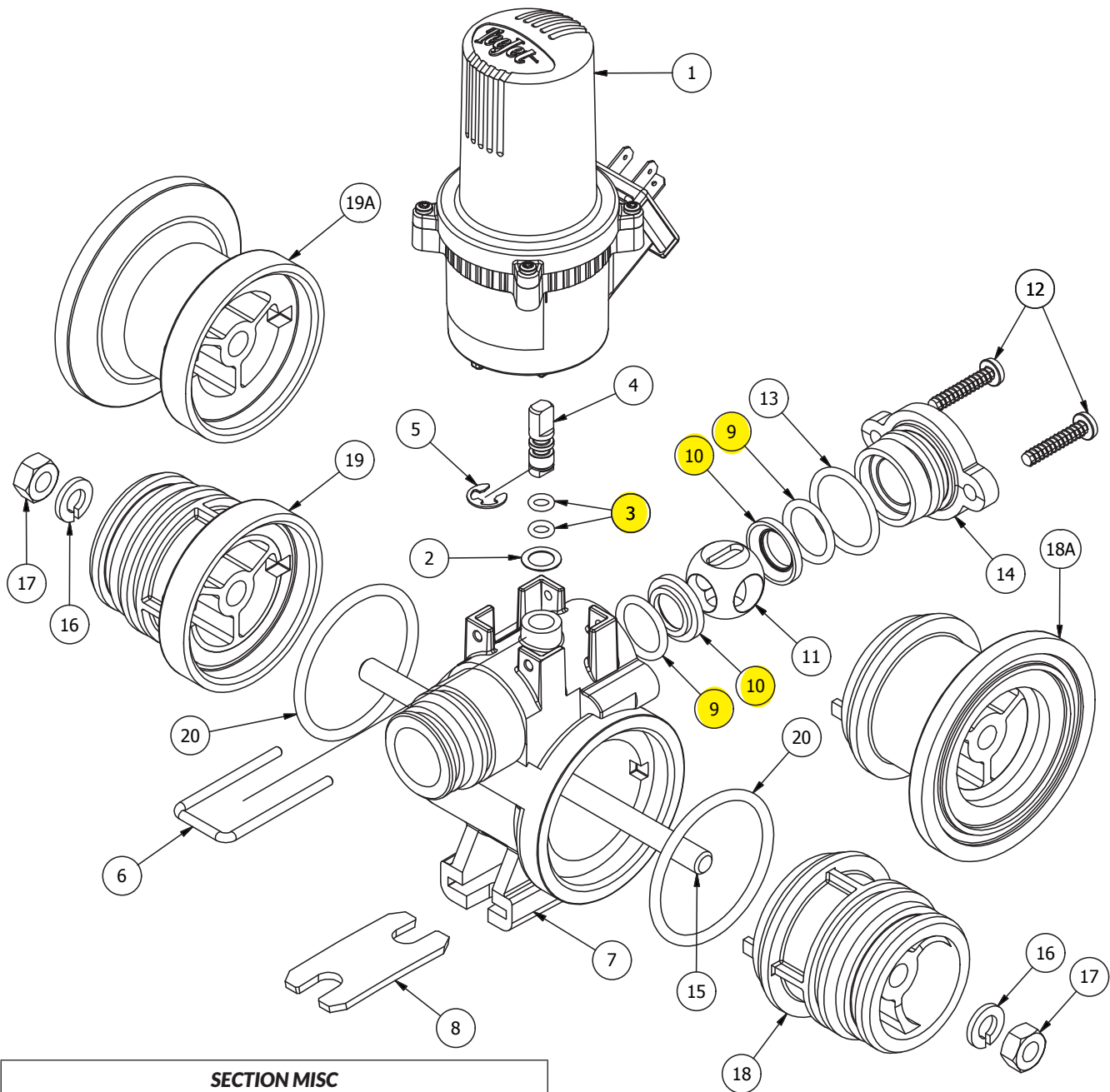


SECTION/BOOM EXTENSIONS

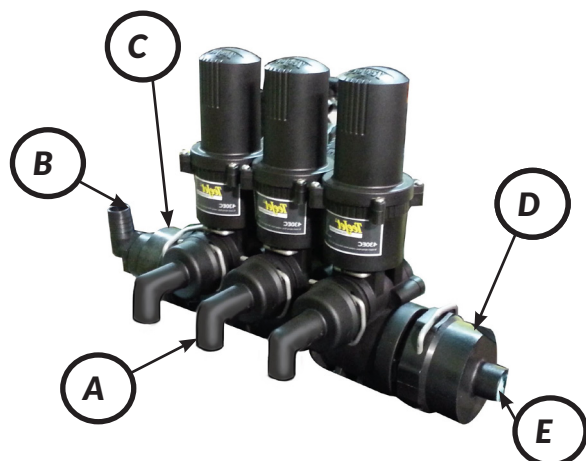
56171	GXH_EXT20
56172	GXH_EXT30
56173	GXH_EXT40
56174	GXH_EXT50

Extensions are not included in the base kit. Use PN# 20031 for a custom sized extension.

GX SECTION BREAK OUT		
PN#	DESCRIPTION	ITEM#
41722	430 EC REPLACEMENT MOTOR	1
46087	FLAT WASHER, 302SS	2
46562	O RING, VITON (2 REQ'D)	3
47843	STEM, 303 STAINLESS STEEL	4
46114	E-CLIP RETAINING RING, 17PH STAINLESS STEEL	5
46091	430 MOTOR RETAINING CLIP, 302 STAINLESS STEEL	6
46083	430 VALVE BODY, PP, FOR 430 POLY (BLACK)	7
45826	MOUNTING PLATE, FOR USE ON 430 EC MOTORS	8
46491	"O" RING VITON (2 REQ'D)	9
46086	SEAL, TEFLON(2 REQ'D)	10
46085	2-WAY BALL, 303SS, FOR USE ON 430EC VALVES	11
51313	SCREW, 302 STAINLESS STEEL (2 REQ'D)	12
46498	O-RING,VITON	13
46084	430 2WAY END CAP POLY (BLACK)	14
46105	1 SECTION MANIFOLD CONNECTING ROD, 303 STAINLESS STEEL	15
46106	2 SECTION MANIFOLD CONNECTING ROD, 303 STAINLESS STEEL	
46107	3 SECTION MANIFOLD CONNECTING ROD, 303 STAINLESS STEEL	
46108	4 SECTION MANIFOLD CONNECTING ROD, 303 STAINLESS STEEL	
46109	5 SECTION MANIFOLD CONNECTING ROD, 303 STAINLESS STEEL	
46110	6 SECTION MANIFOLD CONNECTING ROD, 303 STAINLESS STEEL	
CALL	** SPECIAL ORDER ITEMS - 7 UP TO 15 SECTION MANIFOLD CONNECTING ROD, 303 STAINLESS STEEL	
46123	M8 SPLIT LOCK WASHER	16
45589	M8X1.25 HEX NUT	17
46088	430 MALE INLET ADAPTER FOR SECTION VALVE POLY (BLACK)	18
46782	75 FLANGE MALE INLET NYLON (BLACK)	18A
46089	430 FEMALE INLET ADAPTER	19
46781	75 FLANGE FEMALE INLET NYLON (BLACK)	19A
46542	O-RING, VITON (2 REQ'D)	20
41735	TWO WAY SUB ASSEMBLY 430 2-WAY SUB ASSY, TEE JET SECTION VALVE BODY SUB ASSEMBLY, INCLUDES ITEMS 2-5, 7-14 ON EXPLODED VIEW.	2-5 7-14
41761	3WR 1.5M MINI-DIN	NOT SHOWN
43143	AB430 430EC PARTS KIT	3,10,9
** For section kits or valves only see chart on pg. 40 **		



SECTION MISC		
	PN#	DESCRIPTION
A	40869	3/4" X 90 HOSE BARB OUTLET (STANDARD)
	40868	1/2" X 90 HOSE BARB OUTLET
B	32305	1" MPT X 3/4" HB POLY ELBOW
C	41725	1" X LQC END CAP KIT
D	41729	1/4" X LQC END CAP KIT
E*	32361	1/4" HEX PLUG (used if no gauge)
	33816	60 PSI GAUGE (not shown)
	33812	160 PSI GAUGE (not shown)
	52142	1/4" POLY ELBOW (Required for gauge - not shown)
NOT SHOWN	53463	SECTION MOUNTING BRACKET



AG LEADER INTEGRATION		
	PN#	DESCRIPTION
AG LEADER INTEGRATION ELECTRIC KIT PN# 53777	53514	GXHAGLEADER#1
	53697	GXHPWMCABLE#2
	18022	PWM EPD DRIVER
	53824	GXIMPLEMENTSWITCH KIT
AG LEADER INTEGRATION HYDRAULIC KIT PN# 55916	53514	GXHAGLEADER#1
	53697	GXHPWMCABLE#2
	53824	GXIMPLEMENTSWITCH KIT
AG LEADER ISO INTEGRATION ELECTRIC KIT PN# 55740	55695	GXHAGLEADER#1 ISO
	18022	PWM EPD DRIVER
AG LEADER ISO 12 BOOM EXTENSION ONLY	55700	GXH12SECTIONBOOM
INTEGRATION EXTENSIONS	54097	GXH16PIN10FT
	54099	GXH16PIN30FT
	54102	GXH16PIN50FT

**** CUSTOMER MUST PROVIDE LIQUID RATE CONTROLLER ****



GXHAGLEADER#1
PN#53514



GXHAGLEADER#1 ISO
PN#55695



GXHAGLEADERISO
BOOM HARNESS
PN#55700

TRIMBLE INTEGRATION		
	PN#	DESCRIPTION
TRIMBLE INTEGRATION ELECTRIC KIT PN# 53775	53519	GXHTRIMBLE#1
	53697	GXHPWMCABLE#2
	18022	PWM EPD DRIVER
	53824	GXIMPLEMENTSWITCH KIT
TRIMBLE INTEGRATION HYDRAULIC KIT PN# 53840	53519	GXHTRIMBLE#1
	53697	GXHPWMCABLE#2
	53824	GXIMPLEMENTSWITCH KIT
INTEGRATION EXTENSIONS	54097	GXH16PIN10FT
	54099	GXH16PIN30FT
	54102	GXH16PIN50FT

**** CUSTOMER MUST PROVIDE LIQUID RATE CONTROLLER ****



GXHTRIMBLE#1
PN#53519



GXIMPLEMENTSWITCH KIT
PN#53824 (See pg. 52)

JOHN DEERE INTEGRATION		
	PN#	DESCRIPTION
JD GS1/GS2 INTEGRATION ELECTRIC KIT PN# 53760	53593	GXHGS2/GS3#1
	53697	GXHPWMCABLE#2
	18022	PWM EPD DRIVER
JD GS1/GS2 INTEGRATION HYDRAULIC KIT PN# 54335	53593	GXHGS2/GS3#1
	53697	GXHPWMCABLE#2
INTEGRATION EXTENSIONS	54097	GXH16PIN10FT
	54099	GXH16PIN30FT
	54102	GXH16PIN50FT
	53839	GXHGS2/GS3 -37PIN15FT
JD2K - 2 PRODUCT HARNESS	55457	GXHJD20002PROD

**** CUSTOMER MUST PROVIDE LIQUID RATE CONTROLLER ****

CASE INTEGRATION		
	PN#	DESCRIPTION
CASE PRO 700 INTEGRATION ELECTRIC KIT PN# 53811	55209	GXHCASE#1
	53697	GXHPWMCABLE#2
	18022	PWM EPD DRIVER
CASE PRO 700 INTEGRATION HYDRAULIC KIT PN# 56409	55209	GXHCASE#1
	53697	GXHPWMCABLE#2

**** CUSTOMER MUST PROVIDE LIQUID RATE CONTROLLER ****

PWM EPD DRIVER KIT
PN#18022
INCLUDES BATTERY HARNESS



PWM BATTERY HARNESS - ONLY
PN#17871

PWM EPD DRIVER ONLY
PN#55460

PWM POWER EXTENSIONS	18121	10 FT
	53665	20 FT
	53666	30 FT
	53668	40 FT
	19631	50 FT
	53670	60 FT

SINGLE PUMP PWM
ADAPTER
PN#398



GXHGS2/GS3#1
PN#53593

GXHJD2K 2PROD
PN#55457



GXHPWMCABLE#2
PN#53697



GXHCASE#1
PN#55209



DUAL PUMP PWM "Y"
PN#18112

AUTOX COMPACT CONTROLLER INTEGRATION KIT		
	PN#	DESCRIPTION
AUTOX COMPACT ELECTRIC KIT PN# 54865	37218	AUTOX COMPACT KIT
	53824	GXIMPSWITCH KIT
	18022	PWM EPD DRIVER
	20155	GPS SPEED SENSOR
AUTOX COMPACT HYDRAULIC KIT PN# 55061	37218	AUTOX COMPACT KIT
	53824	GXIMPSWITCH KIT
	20155	GPS SPEED SENSOR
INTEGRATION EXTENSIONS	53607	10PIN - 10FT
	53608	10PIN - 15 FT (Special order)
	53609	10PIN - 20FT
	53610	10PIN - 25FT (Special order)
	54321	10PIN - 30FT
	54320	10PIN - 40FT
	53520	10PIN - 50FT

INTEGRATION CONTROLLER KIT(S)		
	PN#	DESCRIPTION
DUAL RATE KING KIT PN# 56407	37671	DUAL RATE KING
	53824	GXIMPSWITCH KIT
	20155	GPS SPEED SENSOR
RATE KING PLUS +5 BOOM KIT PN#56408	37662	RATE KING PLUS
	53824	GXIMPSWITCH KIT
	20155	GPS SPEED SENSOR
** PWM NOT INCLUDED IN KITS ABOVE **		
INTEGRATION EXTENSIONS	53608	10PIN - 15 FT (Special order)
	53609	10PIN - 20FT
	53610	10PIN - 25FT (Special order)
	54321	10PIN - 30FT
	54320	10PIN - 40FT
	53520	10PIN - 50FT
SITUATIONAL HARNESSING	54399	7 PIN 50' BOOM EXTENSION
	54396	7 PIN PARALLEL BOOM Y CABLE KIT
	17184	CHANNEL 2 LIQUID HARNESS
	20552	Y SPLITTER DAUL RATE KING
	17873	STANDARD EPD DRIVER KIT
	53637	PWM BAT ADAPTER CABLE

GPS SPEED SENSOR
PN#20155GXIMPLEMENTS SWITCH KIT
PN#53824 (See pg. 52)AUTOX COMPACT BASE KIT
PN#37218 ******AUTOX COMPACT CONTROLLER KIT ONLY**

	PN#	DESCRIPTION
AUTOX COMPACT CONTROLLER BASE KIT PN# 37218	17698	10 PIN MAIN HARNESS
	37217	CONSOLE ONLY **
	** Console only - Is NOT available for individual sale. Must purchase as a kit	
	53478	10 PIN 10FT EXT HD (Special order)
	225	20' FUSED BAT CABLE
	55179	PRESSURE SENSOR CABLE
	38378	CONSOLE MOUNT KIT
	18104	RUN/HOLD SWITCH
	18103	ON/OFF SWITCH
	53556	2 WIRE MALE ADAPTER

**** IMPORTANT:** AutoX Controller, Dual Rate King, and Rate King Plus battery cable must be connected directly to the battery. Any alteration will void warranty**



INFORMATION ONLY

AgXcel is excited to announce its latest innovative product with the release of its new GX9i PWM EPD Driver. After years of design, development and customer feedback AgXcel has developed a state of the art driver that can handle even the harshest demands and environments in controlling its line of precision liquid application solutions. The on-board circuit technology can intelligently manage system resources which enables high demanding performance when controlling 12v electric pump(s). The durability of this EMD is far superior than any EMD on the market today.

LED Status - Multiple LED's that enable enhanced monitoring and troubleshooting



GREEN - Power indicator that can alert when 12v is present or when voltage has dropped below superior performance levels

BLUE - Complete monitoring of EMD PWM signal informing user of proper signal strength and appropriate duty cycle

YELLOW - Temperature control module that protects the unit from current spikes or high current heat

RED - Management and monitoring of motor current. This enhancement allows for proper circuit current for electric motors

ORANGE - Intelligently monitors the appropriate voltage to electric pumps and closely monitors pump(s) performance



DUAL PUMP PWM "Y"
PN#18112



SINGLE PUMP PWM
ADAPTER
PN#398

PWM BATTERY HARNESS
- ONLY
PN#17871



PWM EPD DRIVER KIT
PN#18022
INCLUDES BATTERY
HARNESS



PWM EPD DRIVER ONLY
PN#55460

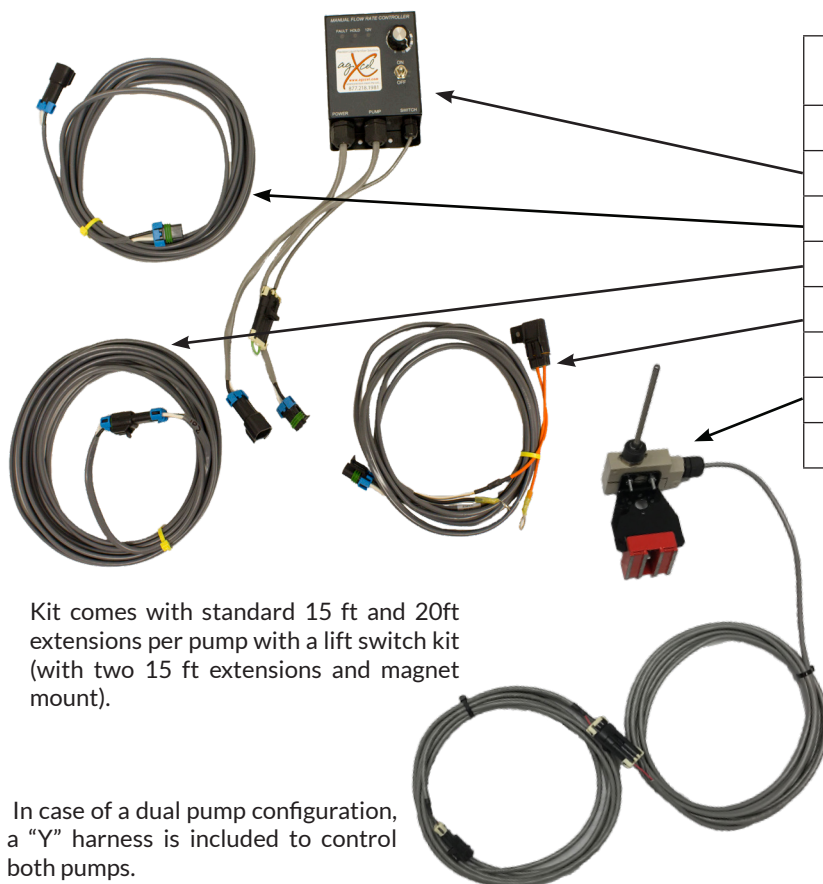
PWM POWER EXTENSIONS	18121	10 FT
	53665	20 FT
	53666	30 FT
	53668	40 FT
	19631	50 FT
	53670	60 FT



MANUAL RATE CONTROL KIT

SINGLE PUMP PN# 563

DUAL PUMP PN# 564



Kit comes with standard 15 ft and 20ft extensions per pump with a lift switch kit (with two 15 ft extensions and magnet mount).

In case of a dual pump configuration, a "Y" harness is included to control both pumps.



DUAL PUMP MANX "Y"
PN#17945

MANX CONTROL KIT SINGLE PN#563		
PN#	ITEM	QTY
17934	MANX CONTROLLER	1
18113	15 FT EXTENSION	1
53660	20 FT EXTENSION	1
17944	15FT BATTERY CABLE 30AMP FUSE	1
ONLY 1 KIT BELOW WILL BE INCLUDED:		
53824*	RUN/HOLD KIT*	1
54066*	MERCURY SWITCH KIT*	1

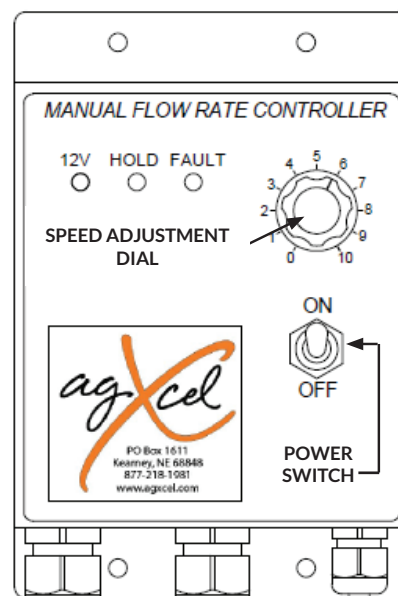
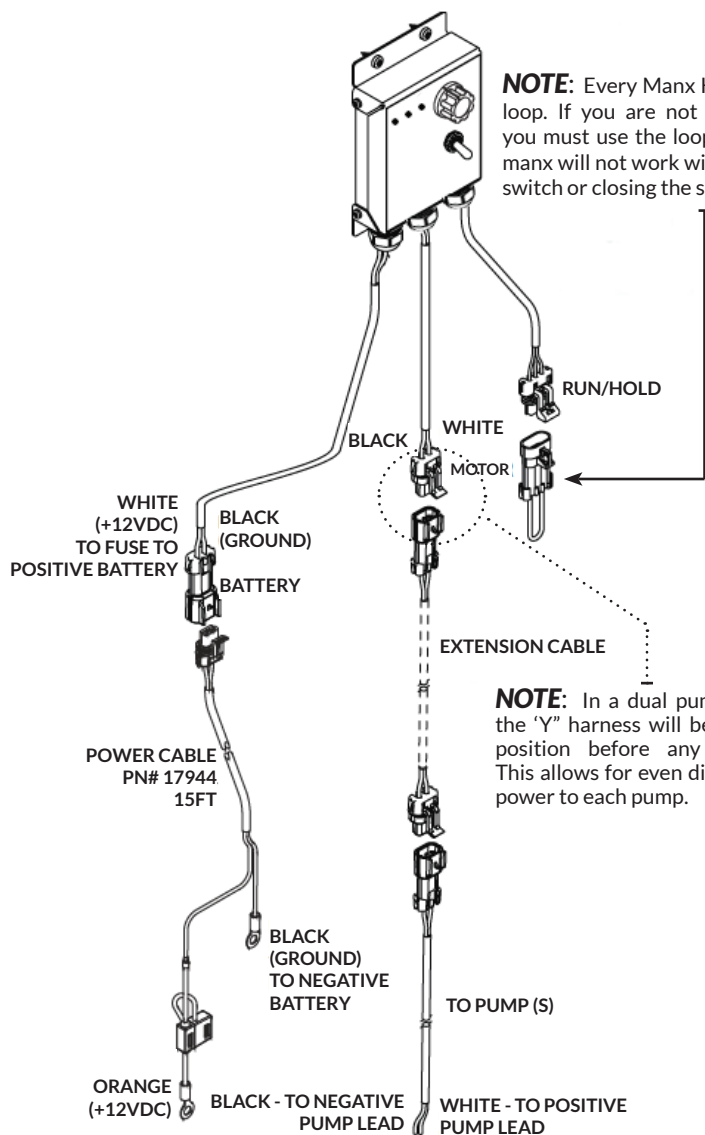


*Kits will come with either a mercury or implement switch kit.

MANX CONTROL KIT DUAL PN#564		
PN#	ITEM	QTY
17934	MANX CONTROLLER	1
18113	15 FT EXTENSION	2
53660	20 FT EXTENSION	2
17944	15FT BATTERY CABLE 30AMP FUSE	1
17945	"Y" PUMP CABLE	1
ONLY 1 KIT BELOW WILL BE INCLUDED*		
53824*	RUN/HOLD KIT*	1
54066*	MERCURY SWITCH KIT*	1

FEATURES:

- Rheostat manual speed control for 12-volt pumps
- 6" wiring for power input and output for motor standard
- Sealed heavy-duty electrical connectors
- Reverse polarity protection
- On/Off control switch with power indicator lamp
- Smoother adjustment of pump flow/pressure, which results in reduced sensitivity at the top of the adjustment scale
- Optional stainless steel ammonia gauge can be mounted either outside of the cab or onto the control box with the provided bracket (PN# 53769)
- Run/Hold circuit on 35 amp units
- Control mounted hardware included
- All AgXcel Manual Rate Controllers are backed by a 1-year warranty



Input and Output Wires

White = Power In + (fused)

Black = Power In -

Power Out Motor

White = Motor Out +

Black = Motor Out -

Run/Hold Harness

Red = Sensing

White = 12v +

Black = Ground

(Note: Red and black wires are joined with dummy plug)

AVAILABLE EXTENSIONS	
PN#	ITEM
17939	5 FT EXTENSION
17958	10 FT EXTENSION
18113	15 FT EXTENSION
53660	20 FT EXTENSION
53661	30 FT EXTENSION
53662	40 FT EXTENSION
19630	50 FT EXTENSION
53674	60 FT EXTENSION

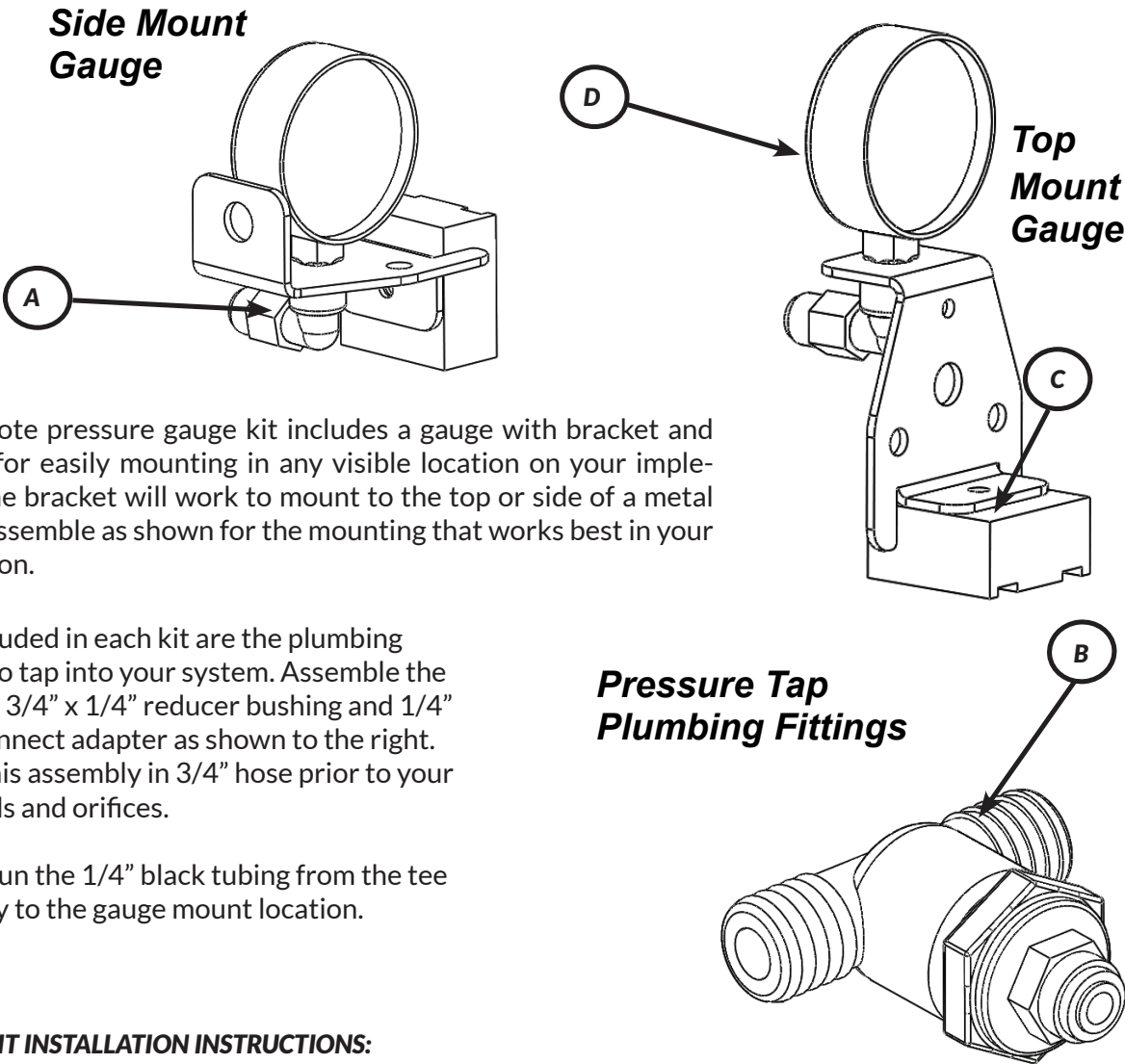


**** BATTERY (POWER) CABLE MUST BE CONNECTED DIRECTLY TO BATTERY. ANY ALTERATION WILL VOID WARRANTY.****



AGXCEL REMOTE MOUNT PRESSURE GAUGE KIT

- 60 PSI - ELECTRIC PUMP(S)PN# 53769
- 160 PSI - HYDRAULIC PUMP PN# 53770



The remote pressure gauge kit includes a gauge with bracket and magnet for easily mounting in any visible location on your implement. The bracket will work to mount to the top or side of a metal frame. Assemble as shown for the mounting that works best in your application.

Also included in each kit are the plumbing fittings to tap into your system. Assemble the 3/4" tee, 3/4" x 1/4" reducer bushing and 1/4" quick connect adapter as shown to the right. Install this assembly in 3/4" hose prior to your manifolds and orifices.

Finally, run the 1/4" black tubing from the tee assembly to the gauge mount location.

GAUGE KIT INSTALLATION INSTRUCTIONS:

1. Install in line tee with 1/4" quick connect between final filter and before manifold.
2. Use 1/4" tubing to plumb the gauge and use the magnetic mount to place gauge where desired.
3. For automated systems, ensure that the gauge kit tee is installed at least 24" after the flow meter but before the manifold.

KIT COMPONENTS		
PN#		DESCRIPTION
A	168	QC9
B	20340	IN LINE ILG TEE
C	17960	MAGNET MOUNT
NOT SHOWN	19646	#12 STAINLESS STEEL CLAMPS QTY=2
ONLY 1 GAUGE PER KIT	33816	4" AMMONIA 60 PSI GAUGE
	33812	4" AMMONIA 160 PSI GAUGE

GX MERCURY SWITCH KIT**PN# 54066****PN# 54112 (2 PIN - JOHN DEERE)****KIT INCLUDES:**

- 2- 15FT Extension(s) (John Deere or 3pin connector)
- 1- Mercury Switch (PN# 54024 - Switch only)
- 1- Magnet Mount (PN# 17960)

MERCURY SWITCH KIT:

1. Run/Hold optional connections (If not using be sure to use provided loop to close circuit)
 - For use with a N.O. (normally open) whisker switch, remove the dummy plug and connect to your run/hold switch wires. A smaller gauge wire (18 AWG minimum) may be used for this low current circuit.
 - For use with a hall-effect sensor, remove the dummy plug and attach the plug from your sensor.

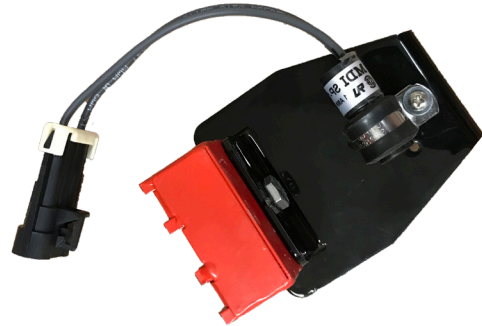


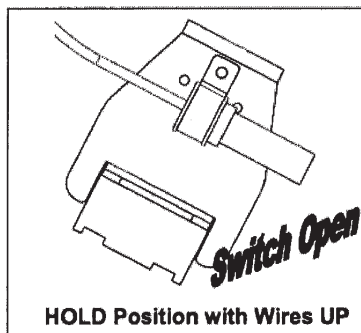
Illustration shown has a 3pin connector.

HOW TO ADJUST:

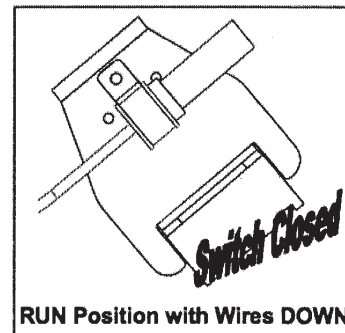
If your controller is turning off product application before or after you want, tilt the switch. If it turns off after you want when lifting the implement, tip more to the HOLD position. If product application should begin sooner when you lower the implement, tip more to the RUN position.

HOW TO TEST:

To test the run/hold mercury switch you will need a volt meter. Set the meter to test continuity (or ohms). With the wires down, you should have continuity between the two pins in the connector. With the wires up, the switch should be open (no continuity).

**MOUNT THE SWITCH ON:**

- 3 point arm if in use
- Planter wheel frame that changes angle
- Drill opener frame if openers are pivoted to raise out of ground.



EXTENSIONS AVAILABLE		
3PIN	2PIN	DESCRIPTION
17924	55917	GXH_EXT 15FT
54073	55415	GXH_EXT 30FT
Custom extension lengths can be special ordered - contact SALES for a price quote		

GX IMPLEMENT SWITCH KIT

PN# 53824
PN# 53982 (2 PIN - JOHN DEERE)

- KIT INCLUDES:**
- 1- 15FT Extension (John Deere or 3pin connector)
 - 1- Implement Switch with 15FT Lead (PN# 17921)
 - 1- Magnet Mount (PN# 17960)

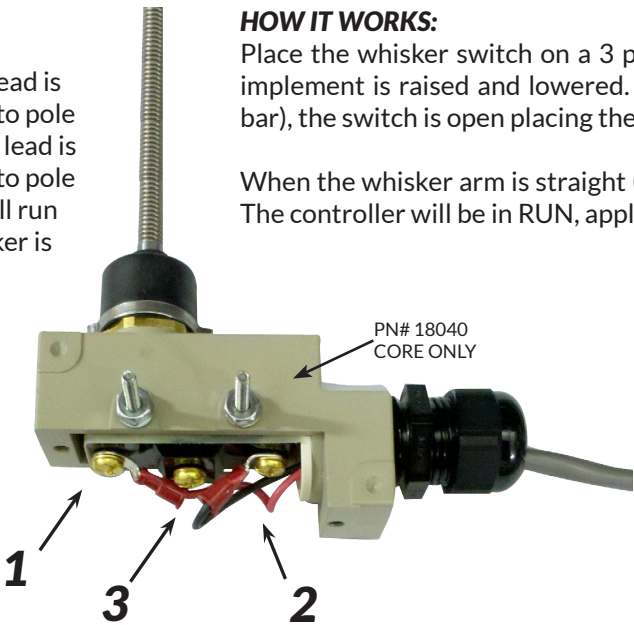
IMPLEMENT SWITCH KIT :

- Run/Hold optional connections (If not using be sure to use provided loop to close circuit)
 - For use with a N.O. (normally open) whisker switch, remove the dummy plug and connect to your run/hold switch wires. A smaller gauge wire (18 AWG minimum) may be used for this low current circuit.
 - For use with a hall-effect sensor, remove the dummy plug and attach the plug from your sensor.



Illustration shown has a 3pin connector.

When red lead is connected to pole 1 and black lead is connected to pole 2 pumps will run when whisker is straight



HOW IT WORKS:

Place the whisker switch on a 3 point arm or wheel frame that changes angle as the implement is raised and lowered. When the whisker arm is bent up (against the tool bar), the switch is open placing the controller in HOLD, not applying fertilizer.

When the whisker arm is straight (not touching the toolbar), the switch will be closed. The controller will be in RUN, applying fertilizer.

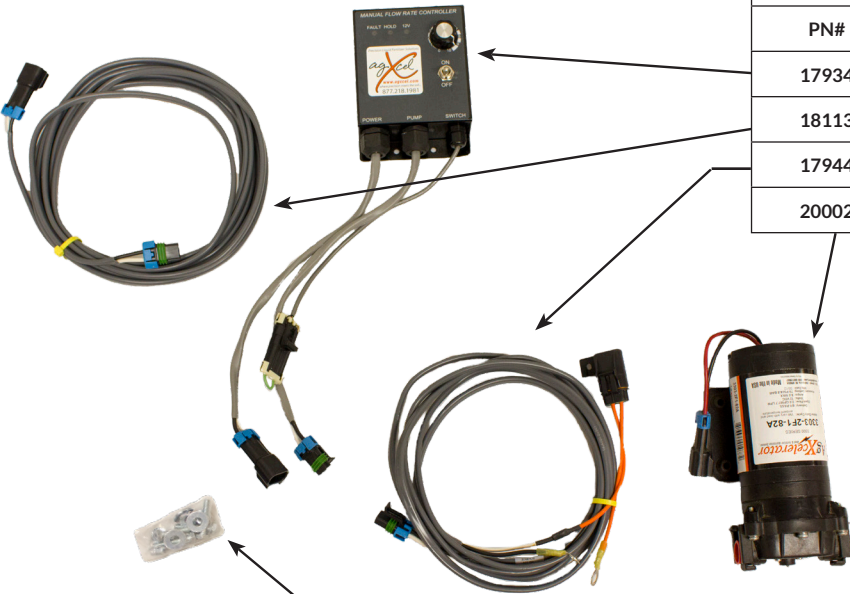
* The Whisker switch will work with many other controllers. However, the polarity might be reversed from the positions described above.

When red lead is connected to pole 1 and black lead is connected to pole 3 pumps will run when whisker is bent

EXTENSIONS AVAILABLE		
3PIN	2PIN	DESCRIPTION
17924	55917	GXH_EXT 15FT
54073	55415	GXH_EXT 30FT
Custom extension lengths can be special ordered - contact SALES for a price quote		

AGXCEL AGITATION KIT
PN# 19986

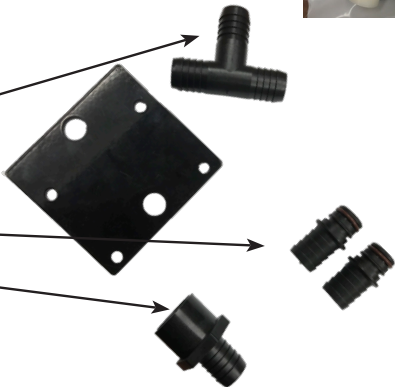
AGITATION KIT		
PN#	ITEM	QTY
17934	MANX	1
18113	15FT EXTENSION	1
17944	BATTERY CABLE	1
20002	5.3 GPM QC PUMP	1



20381	PUMP BOLT KIT	1
19646	#12 CLAMPS	6
31229	3/4" AGITATOR	1



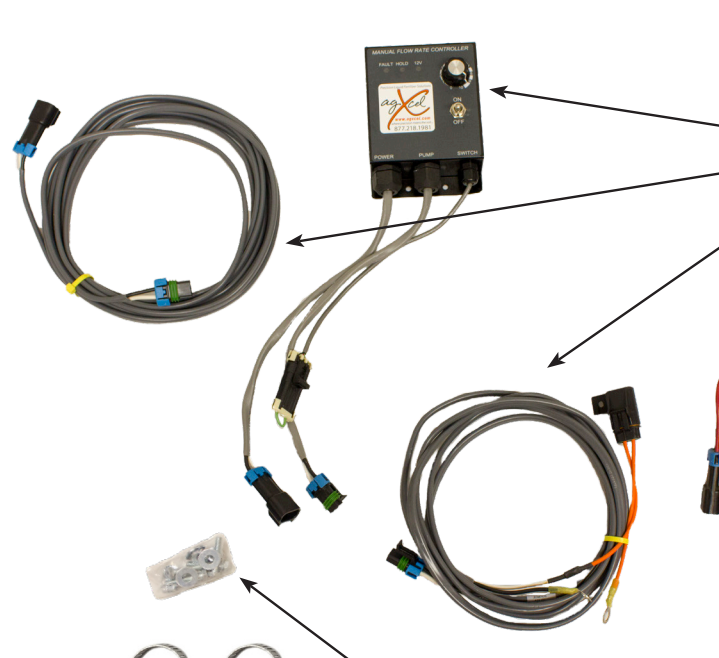
15	3/4" HB PP TEE	1
20343	PUMP BRACKET	1
17920	PUMP O-RING BARB	2
32276	3/4" FNPT 3/4"HB	1




** GX2C AGITATION ADAPTER(S) (NOT SHOWN)		
17649	#6 HD CLAMPS	2
56138	3/8" PUMP O'RING BARB	1
20808	3/8" BARB STEM	1
USE 3/8" STEM AND 3/8" BARB QUICK ATTACH TO INLET ON PUMP - HOSE NOT INCLUDED ONLY FOR GX2C STYLE ADAPTION		




AGXCEL GX PUMP ASSIST KIT
PN# 19988



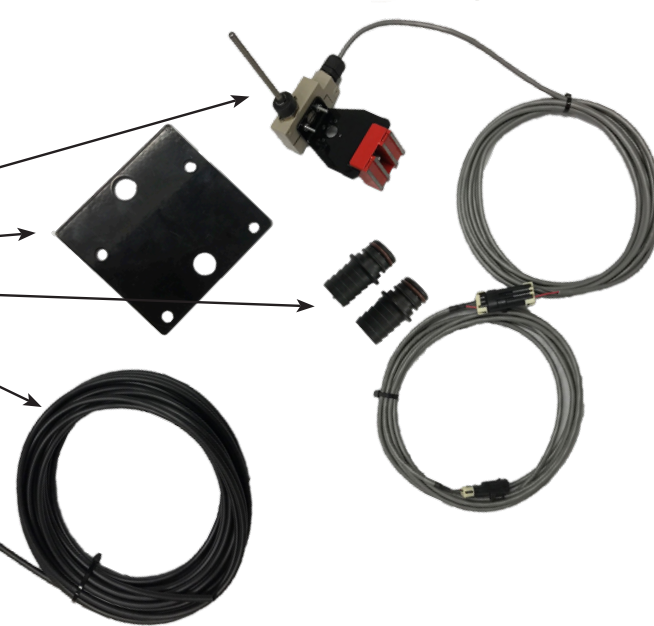
PN#	ITEM	QTY
17934	MANX	1
18113	15FT EXTENSION	1
17944	BATTERY CABLE	1
20002	5.3 GPM QC PUMP	1



20381	PUMP BOLT KIT	1
19646	#12 CLAMPS	4
53769	REMOTE GAUGE KIT	1



53824	RUN HOLD KIT	1
20343	PUMP BRACKET	1
17920	PUMP O-RING BARB	2
19920	EVA14 TUBING	15FT

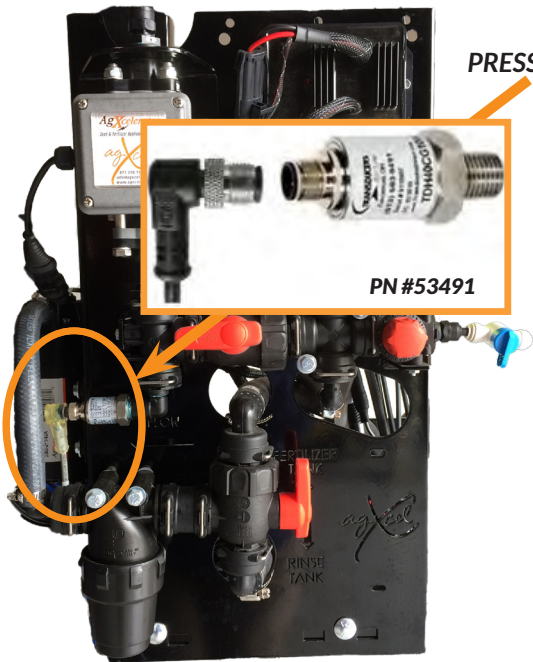


AGXCEL PRESSURE TRANSDUCER KIT
P/N# 53491

The AgXcel Fertilizer Application System (FAS) can be configured with an optional pressure transducer feature. The AgXcel FAS system harnesses are designed to allow system pressure to be captured from various location of the FAS system in an effort to monitor pressure. Keep in mind that pressure in an Automatically Managed Rate controlled system is irrelevant as an automatic rate managed system will use calculations to control the rate of the liquid.

However, pressure monitoring is an important tool in system setup and system troubleshooting and can assist in ensuring that the FAS solution is operating properly and this may be attained with a standard analog gauge or a pressure transducer. With the optional pressure transducer the digital readout of the pressure can be displayed in a variety of different OEM controllers.

All OEM's require a different setting for each monitor so please check the corresponding OEM's user's manual for calibration settings.



PRESSURE TRANSDUCER

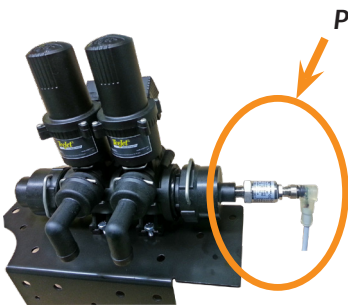
The sensor for the rate controller is a 3-wire type sensor. The Sensor has a 1/4" MPT fitting.

Your display will show the system pressure on the in cab screen. The pressure reading is only for informational purposes and is not used in the flow control process. Flow control uses the flow meter feedback only.

The pressure sensor is very helpful to optimize system performance and troubleshoot any issues.

The pressure transducer is factory calibrated and will display a very accurate pressure reading on your display. No manual gauge is required. However, a remote gauge will be helpful for quick reference when standing near the system and not in cab to see controller display.

When attaching connector to pressure sensor, make sure pins are aligned so they do not bend damaging unit.



PRESSURE TRANSDUCER

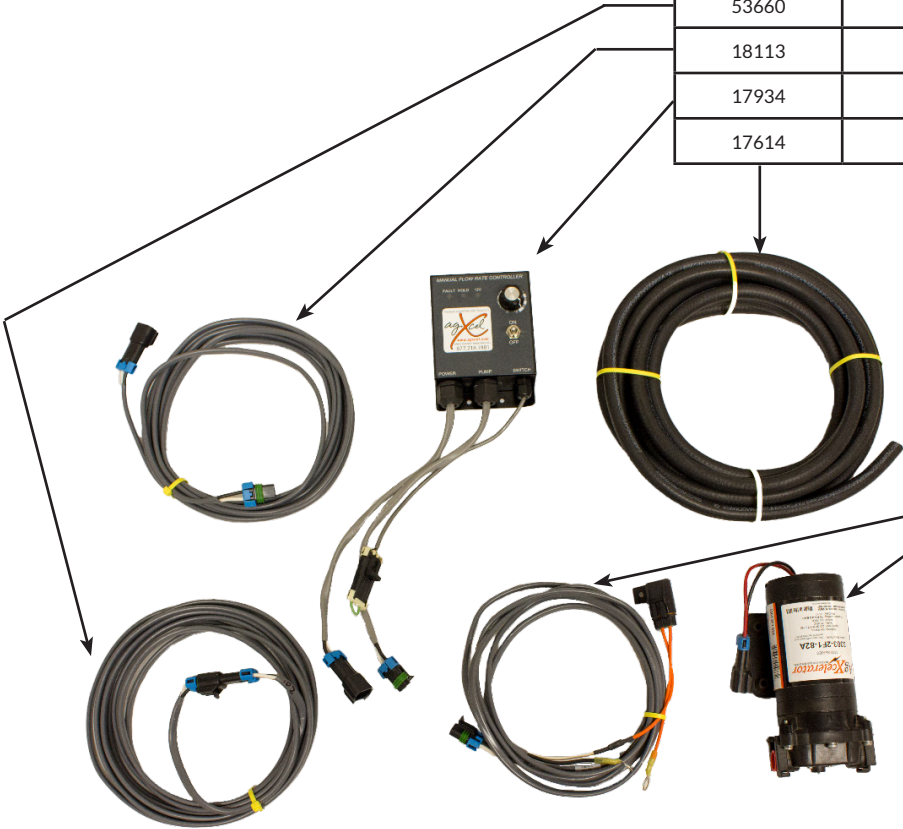
TRANSDUCER KIT - PN#53491		
53490	PRESSURE TRANSDUCER	1
53493	LIGHTED M12 CABLE	1

CALIBRATION NUMBERS PER OEM	
AG LEADER PRESSURE CALIBRATION	50 mv/psi
GREEN STAR PRESSURE CALIBRATION	50 mv/psi
TRIMBLE PRESSURE CALIBRATION	Consult Trimble User's Manual

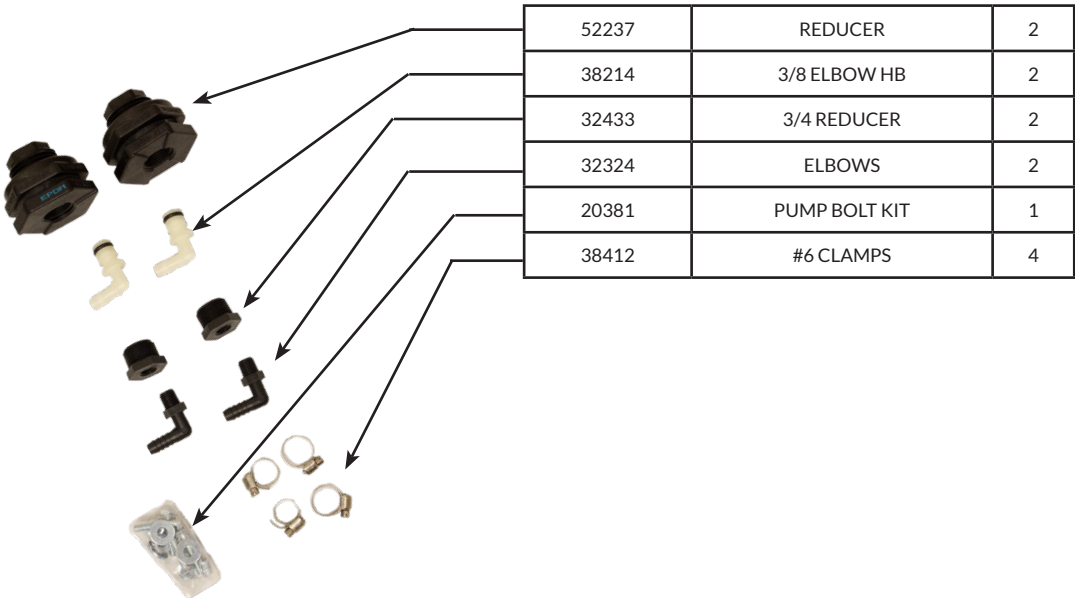


AGXCEL GX12i AGITATION KIT
PN# 54742

GX12i AGITATION KIT		
PN#	ITEM	QTY
53660	20FT EXTENSION	1
18113	15FT EXTENSION	1
17934	MANX	1
17614	3/8 BLK HOSE	2FT



17944	BATTERY CABLE	1
20003	2.0 GPA PUMP	1



52237	REDUCER	2
38214	3/8 ELBOW HB	2
32433	3/4 REDUCER	2
32324	ELBOWS	2
20381	PUMP BOLT KIT	1
38412	#6 CLAMPS	4



AGXCEL GXTBTMDUALTANKFILLKIT CENTER FILL KIT**PN# 38385******FOR ELECTRICAL SYSTEMS******** TO ADAPT TO A HYDRAULIC SYSTEM EXTRA FITTINGS ARE REQUIRED ****

GXTBTMDUALTANKFILLKIT CENTER FILL		
PN#	ITEM	QTY
50863	3/4" HOSE BARB	1
50870	3/4" ELBOW BARB	1
52169	3/4" BALL VALVE	1
19646	#12 CLAMP	2
52001	3/4" NIPPLE	1
52082	REDUCER	1
50277	2" CROSS	1
50899	2" ELBOW	2

52013	2X4 NIPPLE	2
52154	2" POLY ELBOW	2

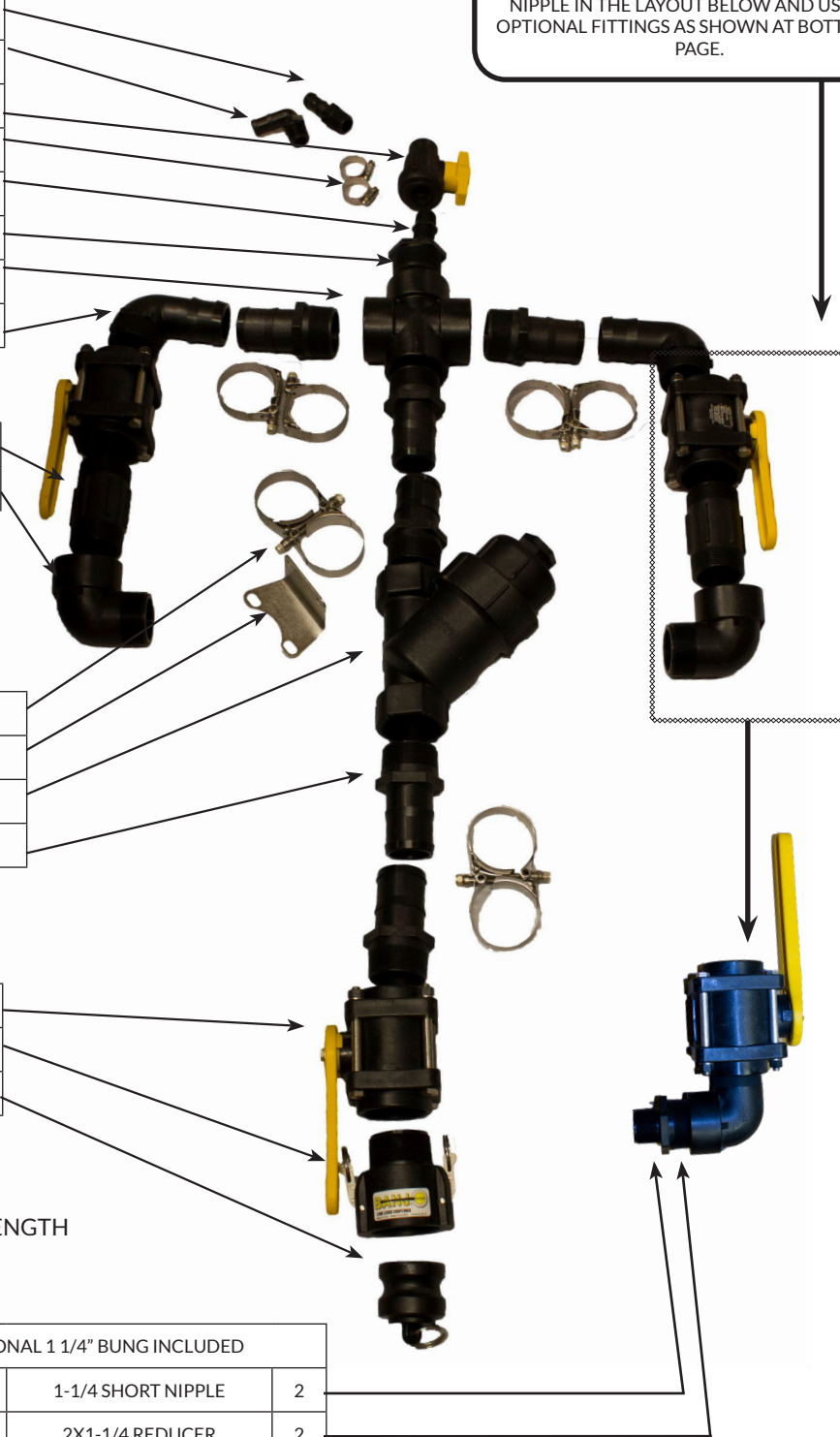
30230	2" CLAMP	8
52814	BRACKET	1
51062	STRAINER	1
50897	2" HOSE BARB	6

52609	2" BALL VALVE	3
49578	FEMALE COUPLER	1
49695	2" PLUG	1

NOTE: 2" SPIRAL HOSE
HOSE NOT INCLUDED IN KIT SINCE LENGTH
VARIES PER INSTALL.

OPTIONAL 1 1/4" BUNG INCLUDED		
52007	1-1/4" SHORT NIPPLE	2
52084	2X1-1/4" REDUCER	2

TO ADAPT TO A 1 1/4" BUNG REMOVE THE 2 X 4
NIPPLE IN THE LAYOUT BELOW AND USE THE
OPTIONAL FITTINGS AS SHOWN AT BOTTOM OF
PAGE.



AGXCEL GXFILL KIT
PN# 17642

FOR ELECTRICAL SYSTEMS

The diagram shows the various components of the AGXCEL GXFILL KIT. A yellow-handled valve is a central component. Various black plastic fittings, metal clamps, and a metal bracket are shown. Dotted orange lines group some components, and arrows point from specific parts to the corresponding entries in the tables.

GXFILL KIT		
PN#	ITEM	QTY
49587	CAP	1
49607	ADAPTER	1
52609	VALVE	2
52814	BRACKET	1
52013	4" NIPPLE	1

51062	STRAINER	1
30230	CLAMP	4
19646	#12 CLAMP	1
50870	ELBOW	1
50863	3/4" BARB	1

52169	VALVE	1
52001	3/4" NIPPLE	1
52082	REDUCER	1
52146	ELBOW	1

52218	TEE	1
NOTE: INSERT 2" SPIRAL HOSE HOSE NOT INCLUDED IN KIT SINCE LENGTH VARIES PER INSTALL.		
50897	2" BARB	4
52113	1 1/2" REDUCER	1
52112	1 1/4" REDUCER	1
52154	ELBOW	1
52015	NIPPLE	1



AGXCEL GXTBTM TANK FILL KIT SIDE FILL
PN# 17987

FOR ELECTRICAL SYSTEMS

GXTBTM TANK SIDE FILL KIT		
PN#	ITEM	QTY
49695	2" PLUG	1
49578	COUPLER	1
52814	BRACKET	1

30230	2" CLAMP	8
51062	STRAINER	1
50897	BARB	7

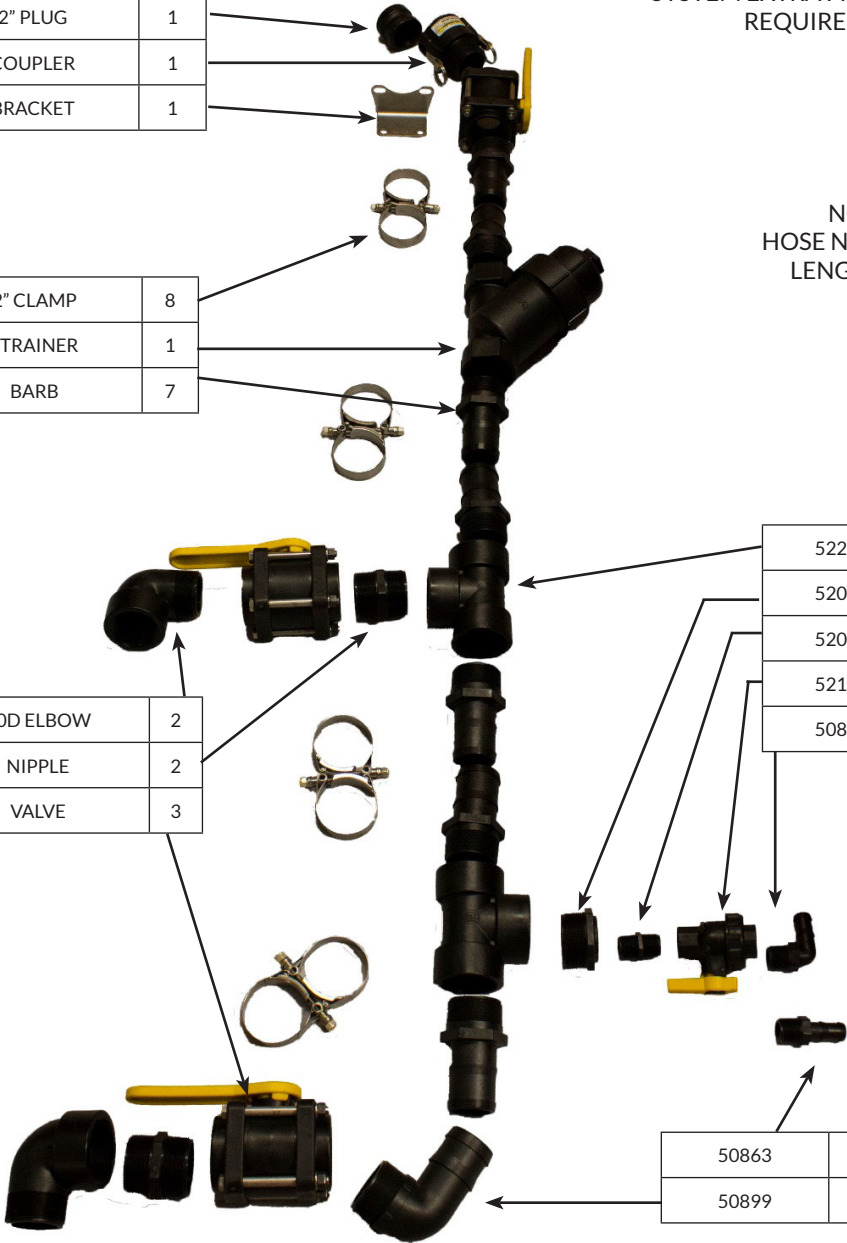
52154	90D ELBOW	2
52015	NIPPLE	2
52609	VALVE	3

52218	TEE	2
52082	REDUCER	1
52001	3/4" NIPPLE	1
52169	3/4" VALVE	1
50870	90 D BARB	1

50863	3/4" BARB	1
50899	ELBOW	1

** TO ADAPT TO A HYDRAULIC
SYSTEM EXTRA FITTINGS ARE
REQUIRED **

NOTE: 2" SPIRAL HOSE
HOSE NOT INCLUDED IN KIT SINCE
LENGTH VARIES PER INSTALL.



AGXCEL GX5 TANK TO PUMP KIT
PN# 53845

****FOR HYDRAULIC SYSTEMS****



GX5TANK TO PUMP KIT		
PN#	ITEM	QTY
51381	2" BARB	2
38269	GASKET	3
51766	STRAINER 30 MESH	1
51383	2" 90-BARB	1
38267	CLAMP	3



AGXCEL GX5FILL KIT
PN# 54564

FOR HYDRAULIC SYSTEMS



GX5FILL KIT

PN#	ITEM	QTY
49587	CAP	1
49607	ADAPTER	1
52814	BRACKET	1
52609	VALVE	3
52013	4" NIPPLE	1

51062	STRAINER	1
50897	2" BARB	7

30230	CLAMP	7
-------	-------	---

52218	TEE	1
NOTE: INSERT 2" SPIRAL HOSE HOSE NOT INCLUDED IN KIT SINCE LENGTH VARIES PER INSTALL.		
52113	1 1/2" REDUCER	1
52112	1 1/4" REDUCER	1
52154	ELBOW	1
52015	NIPPLE	1





At AgXcel we believe in the importance of Responsible Nutrient Management which requires the placement of vital nutrients to the soil at the appropriate location and at the appropriate rate. Limiting technology solutions should not be a barrier to appropriate nutrient replacement.

The AgXcel GX30i is an intelligent decision making microprocessor that manages and controls system pressure in a Variable Rate application environment. This patent pending solution was designed and developed by AgXcel to allow for the application of liquid fertilizer in an expansive range. Its dual valve management configuration is controlled by a central microprocessor intelligent module to manage system pressure within a specified range. Today's liquid system application rates are limited by the size of each orifice on each row in which higher rates dramatically increase system pressure and lower rates significantly drop system pressure. Many prescription based applications require application rates that span anywhere from 20GPA-40GPA at any given moment. A single size orifice cannot sustain this broad range of application which in turn minimizes the application range, therefore requiring the user to settle for a lesser range of application.

The AgXcel GX30iVRT addresses this issue with the ability to broaden this range by implementing a 3 stage orifice range system. Exhaustive testing at Agxcel has established the critical benefits of a 3 option orifice system.

VRT - (Swath) MODULE KIT

GX30iVRT - up to 32 ROWS - 1 product = KIT PN#54894

GX30iVRT - up to 16 ROWS - 2 product = KIT PN#54338

INCLUDES:

- PRESSURE TRANSDUCER(S)
- CONSOLE
- CONSOLE HARNESS
- CONSOLE SUCTION MOUNT
- MODULE/HUB CONTROL CENTER
- MODULE/CONSOLE HARNESS(BLK)
- SECTION HARNESS(BLUE)
- ROW HARNESS(GRY)
- MODULE/HUB BRACKET.

** Does NOT include manifold, channel extensions, transducer extensions or valve extensions **

** Does NOT include manifold, channel extensions, transducer extensions or valve extensions **

PN#	DESCRIPTION	
54854	MODHUB HARNESS_GX30iVRT	A
54856	CONSOLEHARNESS_GX30iVRT	B
54855	CONSOLE(ONLY)_GX30iVRT	C
54858	GRYCONN M12 PINS_GX30iVRT (UP TO QTY =3)	D
54857	LINCAN_GRYCONN_GX30iVRT	E
54859	SECTIONCONN_GX30iVRT	F
54853	MODULEHUB(ONLY)_GX30iVRT	G
54860	TRANSDUCER_GX30iVRT (UP TO QTY = 2 - DEPENDING ON KIT)	H
54567	GX30ISUCTIONMOUNTKIT (NOT SHOWN)	
** GX30iVRT micro controller extender required in order to expand the GX30iVRT another 32 rows for a single product solution or 16 rows for a two solution setup = PN#54892**		

NOTE: For manifold details see page 34 - 35.

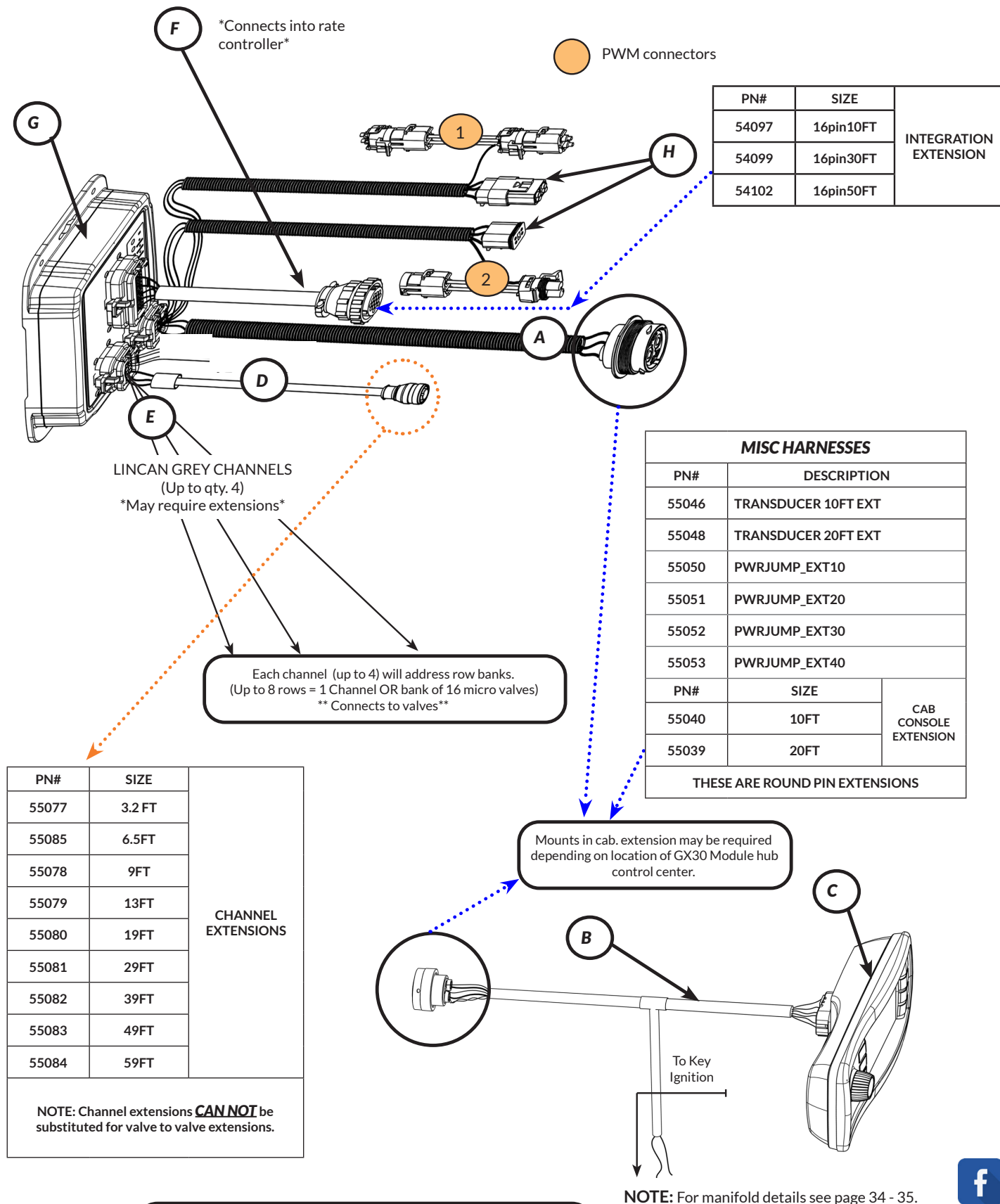


GX30 Cab Display



The AgXcel GX30iVRT intelligent module has an array of intelligence built into the system and designed to manage various pressure points seamlessly. With its ability to control each valve independently swath control is improved by allowing instant flow when the system returns to the flow position. With the ability to manage each row independently and up to 12 sections the GX30iVRT has been developed for expandability for future swath features and row management.

PN#	SIZE	VALVE TO VALVE EXTENSIONS (OVER FOLDS)
54406	3FT	
54408	6.5FT	
54410	9.8FT	
54412	13FT	
54414	19FT	
54416	29FT	
54418	39FT	
NOTE: Valve to valve extensions <u>CAN NOT</u> be substituted for channel extensions.		



**** IMPORTANT: GX30 System battery cable must be connected directly to the battery. Any alteration will void warranty****

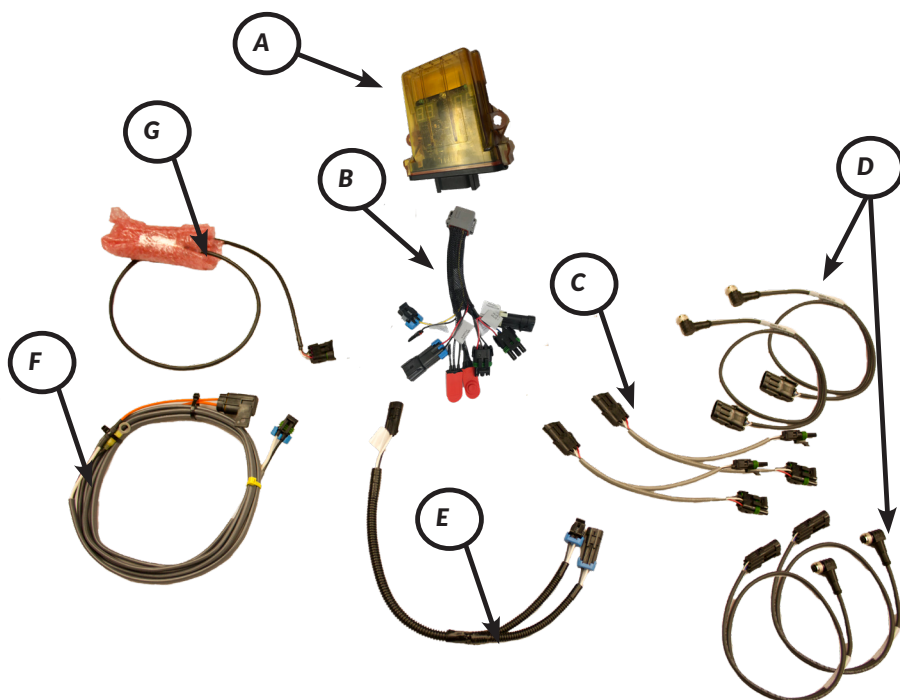




The GX30iLite Module is an intelligent pressure monitoring system. Set your high and low pressure thresholds by simply adjusting the two screws as illustrated below. This should be while testing the system with water so as not to waste fertilizer. Set "HIGH" will adjust how high your pressure can go before the next set of valves will open. Setting the "LOW" threshold will adjust how low your pressure can go before it switches back to the first valve.

The GX30i VRT Module can be mounted on the tool-bar of the implement using the mounting holes provided on the module itself. Another method would be to use a small amount of Velcro attached to the back of the module.

All underlying circuitry has been sealed to protect it from debris and weather.



VRT - (NON-Swath) MODULE KIT

GX30iLite - up to 24 ROWS - 1 product - 1 section =
KIT PN# 54679

INCLUDES:

- 1 - PRESSURE TRANSDUCER W/HARNESS
- 1 - GX30 MODULE
- 1 - MODULE MAIN HARNESS
- 2 - Y SPLIT HARNESSES (LOW & HIGH)
- 2 LOW THRESHOLD - 3PIN/M12 HARNESSES
- 2 HIGH THRESHOLD - 3PIN/M12 HARNESSES
- 1 - 15FT BATTERY CABLE
- 1 - PWM Y HARNESS

** Does NOT include manifold, channel extensions, transducer extensions or valve extensions **

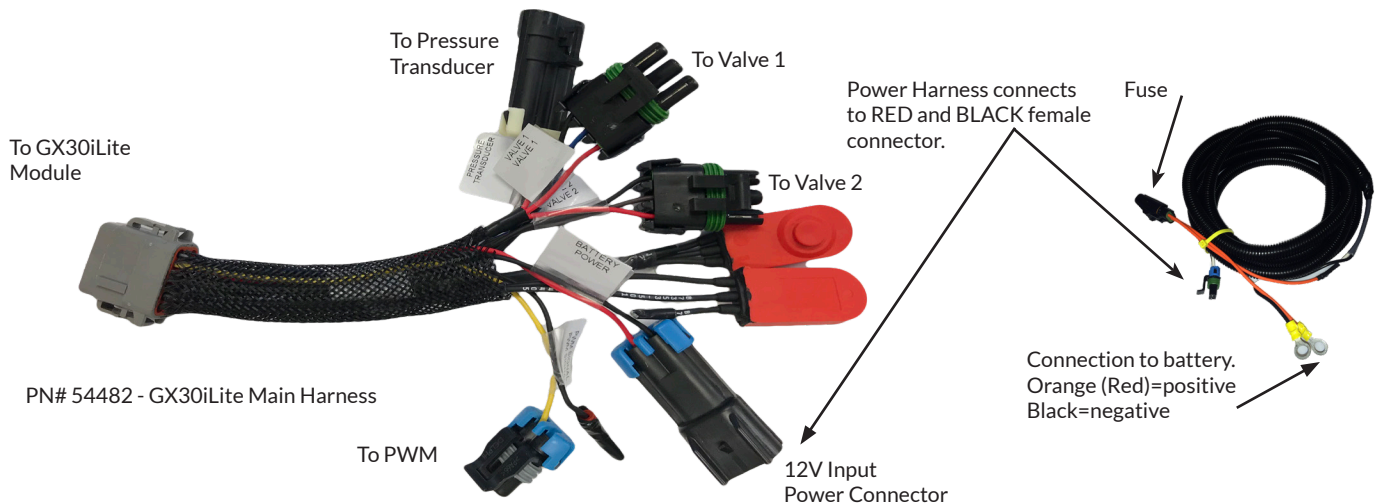
** Does NOT include manifold, channel extensions, transducer extensions or valve extensions **

PN#	DESCRIPTION	
54376	GX30iLITE MODULE	A
54482	GX30iLITE MAIN HARNESS	B
54678	Y SPLIT HARNESS	C
54406	3PIN / M12 HARNESS (LOW AND HIGH)	D
54512	GX30iPWM Y HARNESS	E
17944	15FT BATTERY CABLE 30AMP	F
54391	PRESSURE TRANSDUCER KIT	G

NOTE: For manifold details see page 34 - 35.

PN#	SIZE	CHANNEL EXTENSIONS
55077	3.2 FT	
55085	6.5FT	
55078	9FT	
55079	13FT	
55080	19FT	
55081	29FT	
55082	39FT	
55083	49FT	
55084	59FT	
NOTE: Channel extensions <u>CAN NOT</u> be substituted for valve to valve extensions.		

PN#	SIZE	VALVE TO VALVE EXTENSIONS (OVER FOLDS)
54406	3FT	
54408	6.5FT	
54410	9.8FT	
54412	13FT	
54414	19FT	
54416	29FT	
54418	39FT	
NOTE: Valve to valve extensions CAN NOT be substituted for channel extensions.		



NOTE: For manifold details see page 34 - 35.

- A 3 system orifice setup with our Dual Body micro valve setup allows for a much broader range of application both at higher rates and at lower rates
- 2 orifice sizes are selected, one for the lower and one for the upper range
- The 3rd orifice is created by allowing both micro valves to open which combines the lower and upper range into a dual application ratio, allowing for a much broader range
- AgXcel also uses our GX6 micro tubing technology to size the application range with 11 different sizes, for solutions that are viscous or have a high particle content.
- The micro valve controls the flow on each row and creates an instant "shut off" point therefore preventing system pressure loss when the liquid system goes into hold mode.
- Systems today use check valves to prevent system "drain out" when the system goes into hold. System pressure will drop down to the check valve pressure setting. So if you have 8lb check valves, system pressure will drop down to approximately 8 psi if not lower.
- With the micro valves system, pressure is maintained when the valve is shut.
- This pressure maintaining feature results in a quicker application start when the system goes back into start mode. The liquid system does not have to build pressure back to its delivering rate which in turn causes start points not to have fertilizer placement until enough pressure is in the system to open up the check valves.
- Lower GPA rates are also achieved at lower PSI ratings. Since there is no longer a check valve that has to open after system pressure is built, with the micro valves they are either flowing or not flowing. This means, even if system pressure reduces down to 2PSI, liquid will still be flowing at the appropriate rate since no pressure is required to open a rated check valve.
- The dual micro valves now serve as the liquid systems "sectional valves" therefore there no longer is the need to run exhaustive amounts of 3/4" feed hose throughout the implement.
- Implementing the dual micro valves on each row allows for a more responsive application when the system goes from hold position to run.

SEE IT IN ACTION!



Visit our website for more info or watch the GX30iVRT video on our YouTube channel search AgXcel!



**** IMPORTANT: GX30 System battery cable must be connected directly to the battery. Any alteration will void warranty****



GX7

ROW MONITORING SOLUTION



QUANTITIES LIMITED!

RESERVE YOURS TODAY!

Row Monitoring

Gain unparalleled insight into your liquid fertilizer application process by closely monitoring the flow on every individual row. With this level of visibility, you can effectively track and analyze precisely where, when, and how much fertilizer you're distributing, ensuring optimal efficiency and accuracy.

Compatibility

The GX7 ISO is ISOBUS compatible, enabling it to seamlessly connect to and communicate through your "existing cab monitors" virtual terminal

Functionality

The GX7 ISO is designed to seamlessly integrate with any existing liquid fertilizer pump system you may have in place.

NEW
Utilizing AgXcel Magnetic Flow Meters

- No mechanical moving parts
- For viscous or dirty chemicals



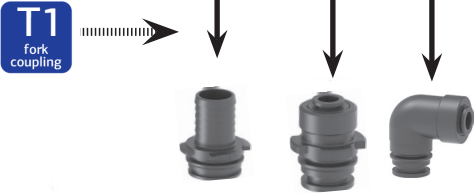
*Transforming Precision Ag
into a Digital Science*

agxcel

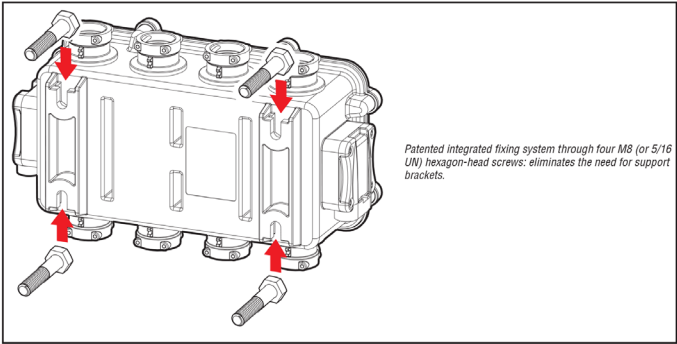




PN#		DESCRIPTION
A	55377	GXH7D2_ORION Y ADAPTER
	55852	GXH7D2_MAG_POWER
B	55752	T1 FORK
C	Same fitting options - See "F - H"	
D	55657	VISION MULTI FLOW (.08 - 1.6 GPM)
E	55853	INSERT SIGNAL HARNESS
F	55744	T1 O RING VITON
G	55658	1/4 PTC T1 FITTING
	55743	3/8 PTC T1 FITTING
H	570	3/8 BARB T1 FITTING
	572	1/2 BARB T1 FITTING
I	57287	3/8 PTC T1 ELBOW 90
	57285	1/4 PTC T1 ELBOW 90

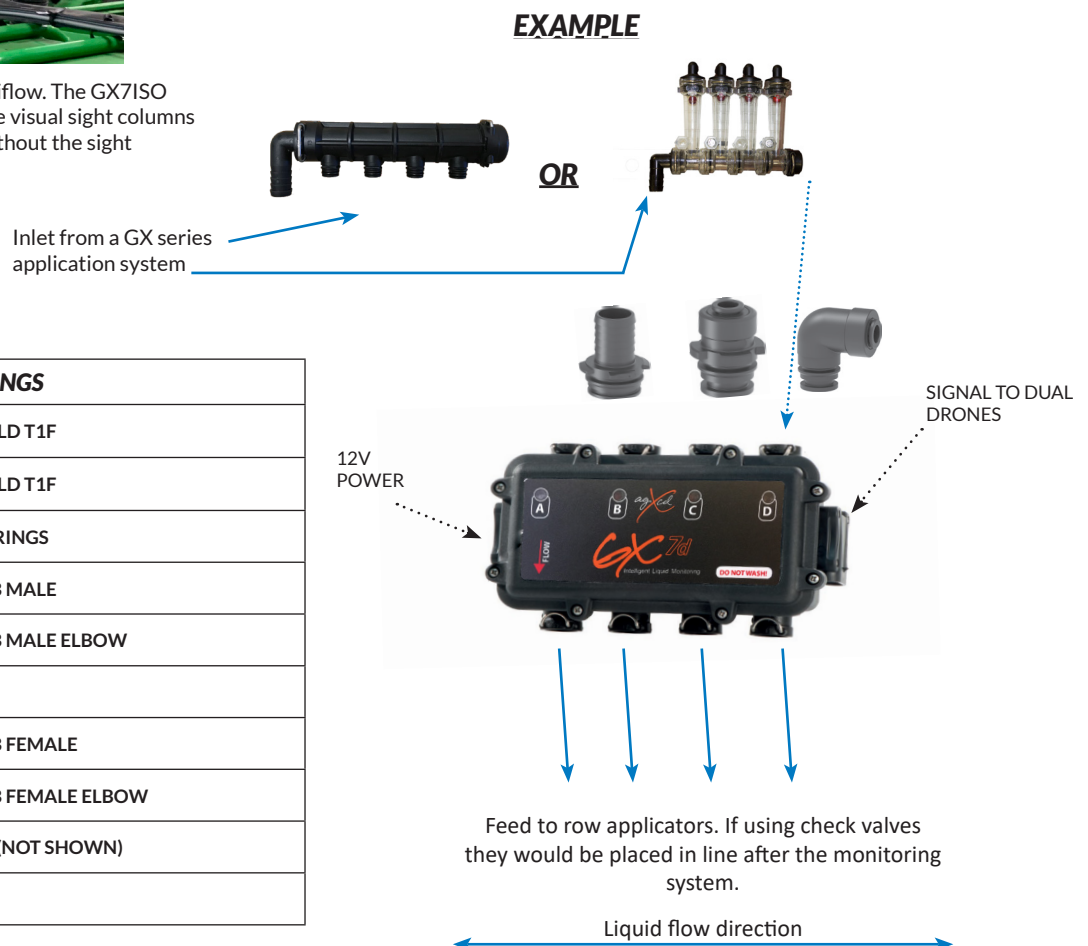


PLUMBING	
19920	1/4" TUBING
17614	3/8 BLK HOSE
54121	3/8 TUBING
37619	1/2 BLK HOSE
55189	1/2 TUBING
308	3/4 BLK HOSE (PRECUT IN 50FT)
19646	#12 CLAMPS
17649	#6 CLAMPS





Layout example for the GX7ISO multiflow. The GX7ISO can either be plumbed in line from the visual sight columns or can be used as its own manifold without the sight columns.



T3 FITTINGS		
A	55656	4W MANIFOLD T1F
	55742	1W MANIFOLD T1F
B	54674	T3 VITON O RINGS
C	54660	T3 3/4" BARB MALE
	54664	T3 3/4" BARB MALE ELBOW
	54666	T3 PLUG
D	54657	T3 3/4" BARB FEMALE
	54662	T3 3/4" BARB FEMALE ELBOW
	573	T3 END CAP (NOT SHOWN)
E	54677	T3 FORK

A	57015	GX7 ISO MAIN MODULE
	20155	ASTRO 2 GPS
HARNESSING		
B	56964	GX7 ISO MAIN HARNESS
	55026	GX7 ISO JD TAP CABLE
	56975	GX7 ISO 10FT IBIC
	57233	GX7 ISO 30FT IBIC
	17871	POWER HARNESS FOR IBIC
	57235	GX7 ISO CASE 1200 SERIES
	57232	GX7 ISO CASE 2100 SERIES
	55851	GX7 Y ADAPTER
	"SEE EXTENSIONS"	
C		

A

GX7 ISO MAIN MODULE



JD GS Virtual Terminal

B

GX7 ISO MAIN HARNESS
PN# 56964



GX7 ISO JD TAP CABLE
PN# 55026



GX7 ISO 10FT IBIC
PN# 56975



GX7 ISO CASE 1200 SERIES
PN# 57235



GX7 ISO CASE 2100 SERIES
PN# 57232



GX7 Y ADAPTER
PN# 55851



MOUNTING OPTIONS

GX7 TOMAHAWK
PN# 57018

7X8.5X1/2 UBOLT
PN# 53578

7X6.5X1/2 UBOLT
PN#

1/2" SPINNUT
PN# 53705



C

GXH7D2_EXT20
PN# 55708



4PIN MULTIFLOW TO Y HARNESS EXT CABLES	
55705	GXH7D2_EXT10
55707	GXH7D2_EXT15
55708	GXH7D2_EXT20
55709	GXH7D2_EXT30
55710	GXH7D2_EXT40
55711	GXH7D2_EXT50
55712	GXH7D2_EXT60

C

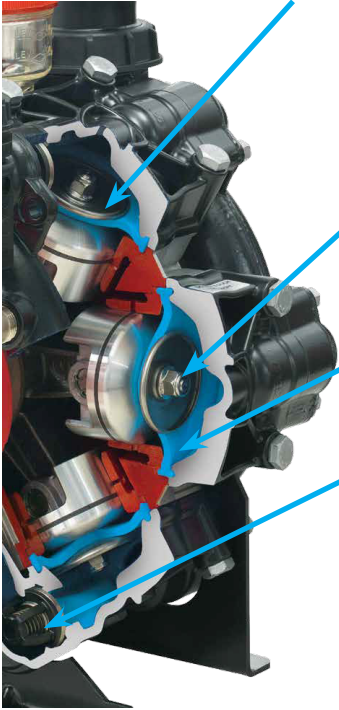




AgXcel's PWM

Utilizing AgXcel's proprietary PWM Hyd Valve for unmatched Hydraulic management and system performance *see pg. 75 for parts*

Large valves in AISI 316 for best hydraulic efficiency and better resistance to chemical agents.



Bolts and nuts for affixing the diaphragm in AISI 316.

Long-life BlueFlex® diaphragms for resistance to spraying chemicals and aggressive liquid fertilizers.

Seals in Viton on our LFP Pumps.



BlueFlex Diaphragm



GX5 LFP 80

The GX5 LFP80 is a great pump to use with vApplyHD. Minimal to Zero pulsation for steady, consistent flow. Low maintenance enhanced with Blueflex Technology.

GX5

Our GX5 low pressure diaphragm hydraulic pump systems are simultaneously exquisitely sophisticated in terms of precision application of liquid fertilizer, perfectly in line with the need to protect the environment of today and tomorrow.

- Low Maintenance
- Long-life Blue Flex™ diaphragms for resistance to spraying chemicals and aggressive liquid fertilizers
- Minimal Hydraulic Oil usage
- High Pressure capabilities
- Stainless steel nuts and bolts
- All GX5 LFP System parts in contact with liquids are polypropylene and stainless steel 316 for higher flow and better corrosion resistance
- Minimal to Zero pulsation allowing vApplyHD modules to maintain steady and consistent flow
- The 3+ cylinder design will allow the system to prime faster with less vibration during use.
- Range of .5 - 20 GPM flow rate (*Higher volume systems available*)

1

Our GX5 Hydraulic systems use low pressure diaphragm pumps that can apply a wide variety of chemicals with different viscosities, from .5 GPM to 55 GPM.

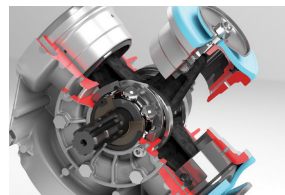
2

The GX5 comes in a variety of diaphragm designs from 3 to 6 diaphragm systems rated at 290 PSI. The pumps are rugged enough to handle strong chemical agents with ease.

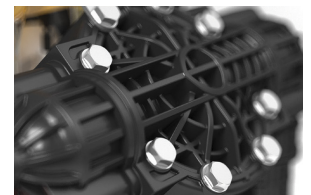
3

Designed for a wide range of professional agricultural application environments:

- Planting
- Drilling
- Side Dressing
- Strip-Tilling
- Pre-Bedding for Potatoes
- Custom Applications



Nº2 High Quality needle bearings under the connecting rods to reduce friction



Pump head in Nylon for aggressive chemicals.

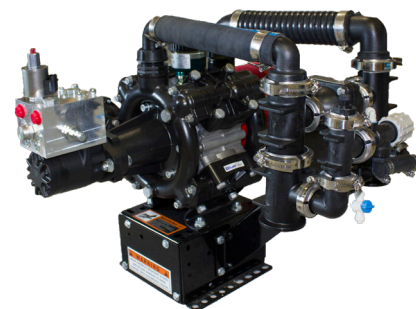


For all those especially demanding jobs go with the BLUEFLEX diaphragms that are a step ahead.

Go beyond your expectations!

HYDRAULIC FERTILIZER APPLICATION SYSTEMS

GX5	PN#	GX5 STATS
LFP45	55590	3 DIAPHRAGMS - BLUE FLEX .5 - 11 GPM - LIQUID FERTILIZER PESTICIDES
LFP45V	55591	3 DIAPHRAGMS - VITON FOR LOW PH .5 - 11 GPM - LIQUID FERTILIZER PESTICIDES
LFP80	55587	3 DIAPHRAGMS - BLUE FLEX .5 - 20 GPM - LIQUID FERTILIZER PESTICIDES
LFP80V	55592	3 DIAPHRAGMS - VITON FOR LOW PH .5 - 20 GPM - LIQUID FERTILIZER PESTICIDES
D115	53585	3 DIAPHRAGMS - BLUE FLEX 1 - 25 GPM - STANDARD
LFP120	56029	3 DIAPHRAGMS - BLUE FLEX 1 - 30 GPM - LIQUID FERTILIZER PESTICIDES
LFP120V	55635	3 DIAPHRAGMS - VITON FOR LOW PH 1 - 30 GPM - LIQUID FERTILIZER PESTICIDES
LFP160	53588	4 DIAPHRAGMS - BLUE FLEX 5 - 35 GPM - LIQUID FERTILIZER PESTICIDES
D250	53597	6 DIAPHRAGMS - BLUE FLEX 5 - 55 GPM - STANDARD

Complete LFP160
shown above

Optional - Integration into GS2/GS3, JD2K, Trimble, AgLeader, Raven, MicroTrak is approximately \$1800.00 - \$2600.00 on top of the prices listed - Includes, Harnesses, Flow Meter, and brackets. (Additional cost for swath control setups)

** Manifold kits are also available and a variety of GX5 mounting brackets sold at an extra charge **

Due to possible manufacturers price changes, prices are subject to change without notice.

Complete GX5 hydraulic system with pump, pwm valve, hydraulic motor, hoses, clamps, replacement oil and diaphragm kit all completely assembled, ready to go.

GX⁵ FOR vAPPLY HD

NO PLUMBING - PUMP, MOTOR, PWM AND PUMP FLANGE KIT - ONLY

Complete LFP120
shown above

GX5	PN#	GX5 STATS	LIST*
LFP45	37650	3 DIAPHRAGMS - BLUE FLEX .5 - 11 GPM - PUMP, STD MOTOR & PWM ONLY	
LFP80	37649	3 DIAPHRAGMS - BLUE FLEX .5 - 20 GPM - PUMP, STD MOTOR & PWM ONLY	
D115	37648	3 DIAPHRAGMS - BLUE FLEX 1 - 25 GPM - PUMP, STD MOTOR & PWM ONLY	
LFP120	37776	3 DIAPHRAGMS - BLUE FLEX 1 - 30 GPM - PUMP, STD MOTOR & PWM ONLY	CALL FOR PRICING
LFP160	35327	4 DIAPHRAGMS - BLUE FLEX 5 - 35 GPM - PUMP, STD MOTOR & PWM ONLY	
D250	35381	6 DIAPHRAGMS - BLUE FLEX 5 - 55 GPM - PUMP, STD MOTOR & PWM ONLY	
ADDED TO KITS ABOVE	53687	GXvAPPLY RPM ADD-ON KIT - MUST BE SOLD IN CONJUNCTION WITH A GX5 SYSTEM	



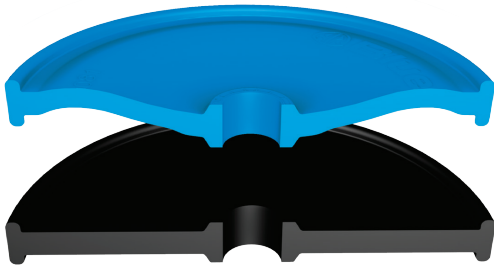
NEW

GX5

HEAVY DUTY & LONGER LIFE DIAPHRAGM

SPECIAL SHAPE

The special shape and thickness of the diaphragms has been carefully optimized to reduce mechanical stresses during the working cycle of the pump even under the most difficult working conditions.



BLUEFLEX SYSTEM

The combination of the new BlueFlex diaphragms when used with the new patented diaphragm plate is known as the "BlueFlex System". This translates into heavy duty and long diaphragm life.

PATENTED DIAPHRAGM PLATE FOR BLUEFLEX DIAPHRAGMS

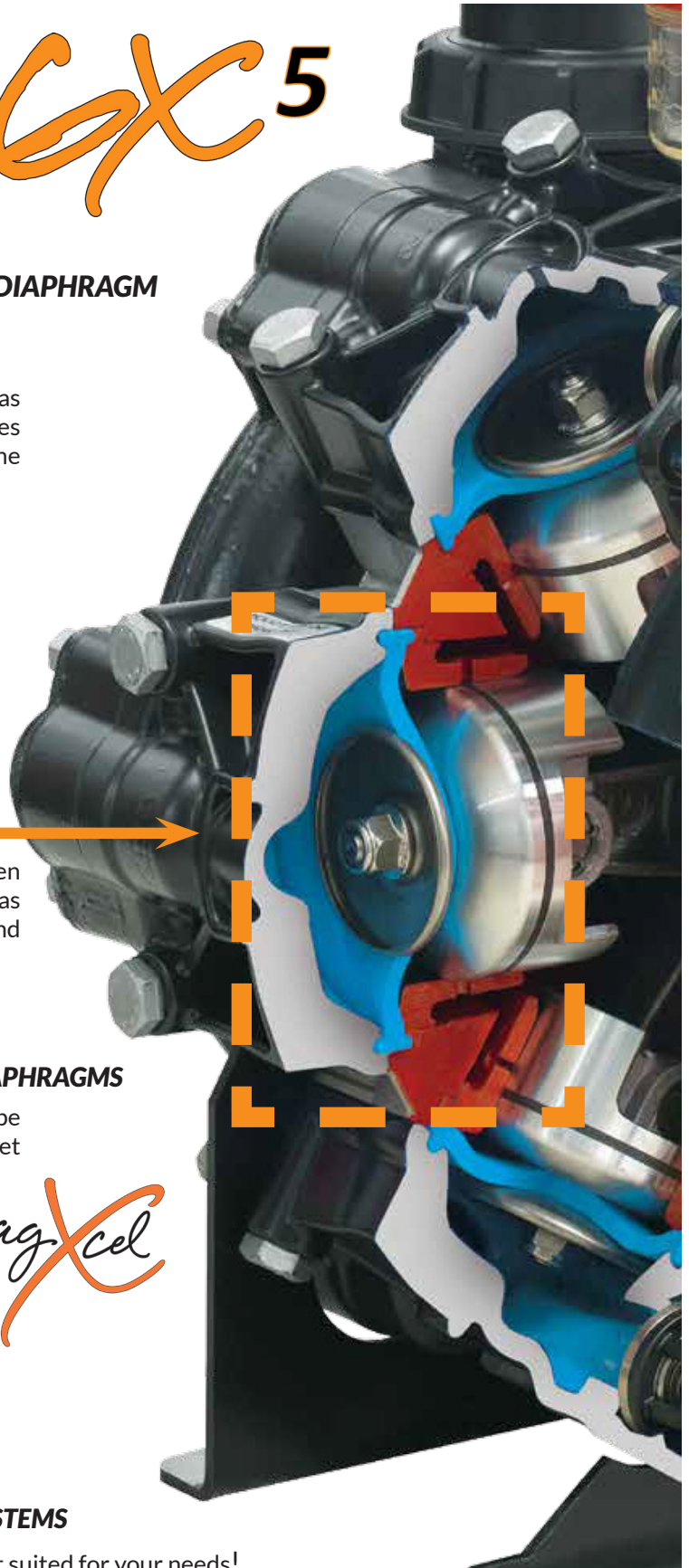
The new patented diaphragm retaining plate has a shape that minimizes the possibility that the diaphragm can get caught or nicked by the diaphragm plate.



agXcel

STANDARD FEATURE ON ALL GX5 HYDRAULIC SYSTEMS

Give us a call to find out which GX5 with BlueFlex is best suited for your needs!



QUICK REFERENCE GX5 KITS



DIAPHRAGM KITS	PN#	DESCRIPTION
	55564	LFP45/BP45 BLUE FLEX DIAPHRAGM KIT
	55568	LFP 45 VITON DIAPHRAGM KIT
	55570	LFP/BP 80 BLUE FLEX DIAPHRAGM KIT
	55569	LFP 80 VITON DIAPHRAGM KIT
	37703	D70 BLUE FLEX DIAPHRAGM KIT
	37708	D115 BLUE FLEX DIAPHRAGM KIT
	55572	LFP120 BLUE FLEX DIAPHRAGM KIT
	55574	LFP120 VITON DIAPHRAGM KIT
	37730	LFP/D160 BLUE FLEX DIAPHRAGM KIT
	37732	D250 BLUE FLEX DIAPHRAGM KIT

TIP: If unsure of pump size, look for a metal label on either the oil reservoir or on/or near the base of pump.

**WARNING!**

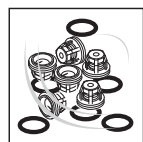
Do Not use the GX5 diaphragm pump for applying two-step curing compounds, asphalt or asphalt sealer, or other products that can harden inside the pump.

Do Not use the GX5 diaphragm pump to pump flammable liquids, including gasoline or diesel fuel.

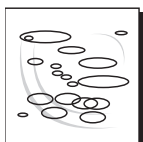
Pumping bleach with the GX5 diaphragm pump will void the manufacturer warranty.

Do Not allow this pump to freeze with water inside the pump.

Failure to follow these warnings will result in personal injury, pump damage and void the warranty.



VALVE KITS	PN#	DESCRIPTION
	55565	BP 45 VALVE KIT
	55566	LFP 45 VITON VALVE KIT
	55576	BP 80 VALVE KIT
	55575	LFP 80 VITON VALVE KIT
	29934	D70 VALVE KIT
	29936	D115 VALVE KIT
	55575	LFP120 VITON VALVE KIT
	29937	D160 VALVE KIT
	56154	LFP160 VALVE KIT
	29930	D250 VALVE KIT



O'RING KITS	PN#	DESCRIPTION
	37760	BP 45 O'RING KIT
	37735	LFP 45 VITON O'RING KIT
	37772	BP 80 O'RING KIT
	37761	LFP 80 VITON O'RING KIT
	29935	D70 O'RING KIT
	29922	D115 O'RING KIT
	34739	LFP120 VITON O'RING KIT
	29905	D160 O'RING KIT
	56155	LFP160 O'RING KIT
	29903	D250 O'RING KIT

31326	OIL QUART (32oz)
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Diaphragm Pump Oil

Specifically formulated for GX5 Diaphragm pumps.

- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil



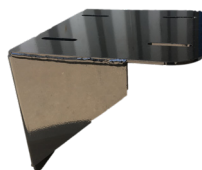
37720	D70 DAMPER DIAPHRAGM
55197	D70 DAMPER DIAPHRAGM CLAMP

GX5 LFP45/BP45 COMPONENTS		
PN#		DESCRIPTION
A	53692	GX5BASEMOUNT
	53693	GX5BASEBOXPLATE (2 REQ'D)
	18169	GX5SPIKEVALVEEXTDBKT
B	38387	GX5 EATON ORBIT (MOTOR ONLY)
	53930	GX5PWMHYDVALVE 10 (PWM ONLY)
	53931	GX5 PWMHYD VALVE W/ STD MOTOR KIT
C	38380	GX5 LFP 45 PUMP ONLY .5 - 11 GPM
	55559	GX5 BP 45 PUMP ONLY .5 - 11 GPM
D	55586	HYD FLANGE KIT FOR BOTH LFP45/BP45
E	51842	1"IN LINE T-STRAINER-50 MESH
F	33132	1" WORM SCREW CLAMP (10 REQ'D)
	50016	3/4" EPDM GASKET (10 REQ'D)
G	51328	1" MANIFOLD X 90 DEGREE BARB
H	51333	1" FLANGED ELBOW
I	51344	1" PLUG WITH 1/4" FPT
	32361	1/4" HEX PLUG
	52142	1/4" POLY ELBOW FOR GAUGE
J	51334	1" FLANGED CROSS
K	51366	2" PORT x 1" FLANGED TEE
L	53629	100 PSI PRESSURE RELIEF VALVE

PN#		DESCRIPTION
M	38267	2" WORM SCREW CLAMP
	38269	2" FLANGE GASKET
N	52195	1-1/2 T-BOLT CLAMP (2 REQ'D)
	53580	1-1/4 SPIRAL HOSE (@ 1 FT)
O	53502	1" BLACK HOSE
	52194	1-1/4 T-BOLT CLAMP
P	51347	1" MANIFOLD FLANGED TEE
Q	39456	3/4" RELIEF VALVE
R "OUT"	55771	1" ELBOW
	55770	RING NUT
	55920	O RING VITON FOR LFP45
	55919	O RING FOR BP 45
S "IN"	55577	1 1/4" ELBOW
	55761	RING NUT
	55915	O RING VITON FOR LFP45
	29232	O RING FOR BP 45



In order to prevent debris and chemical deposits from clogging or logging into your hydraulic system, Agxcel recommends a minimum of 30 mesh filter in line between tank and system inlet. Even the smallest debris can block diaphragms from closing properly affecting rates and pump performance.

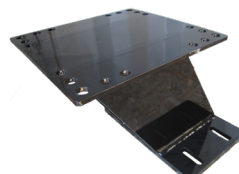


PN#54397 GX5 Bracket for JD1720 CCS (mounted to circular plate on lift assist frame)

OPTIONAL MOUNTING GX5 MOUNTING BRACKETS



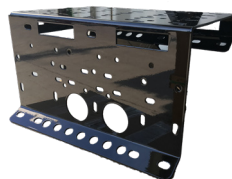
PN#54898 Universal mounting bracket



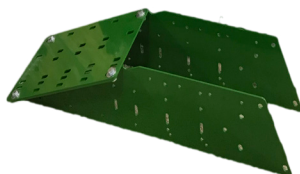
PN#54586 CASE IH/JD bracket to mount the GX5 on the draw bar (Bracket can fit draw bars 8" to 10" wide)



PN#53678 GX5 bracket for JD planter front fold for 12 & 16 row planters - will NOT fit DB models.

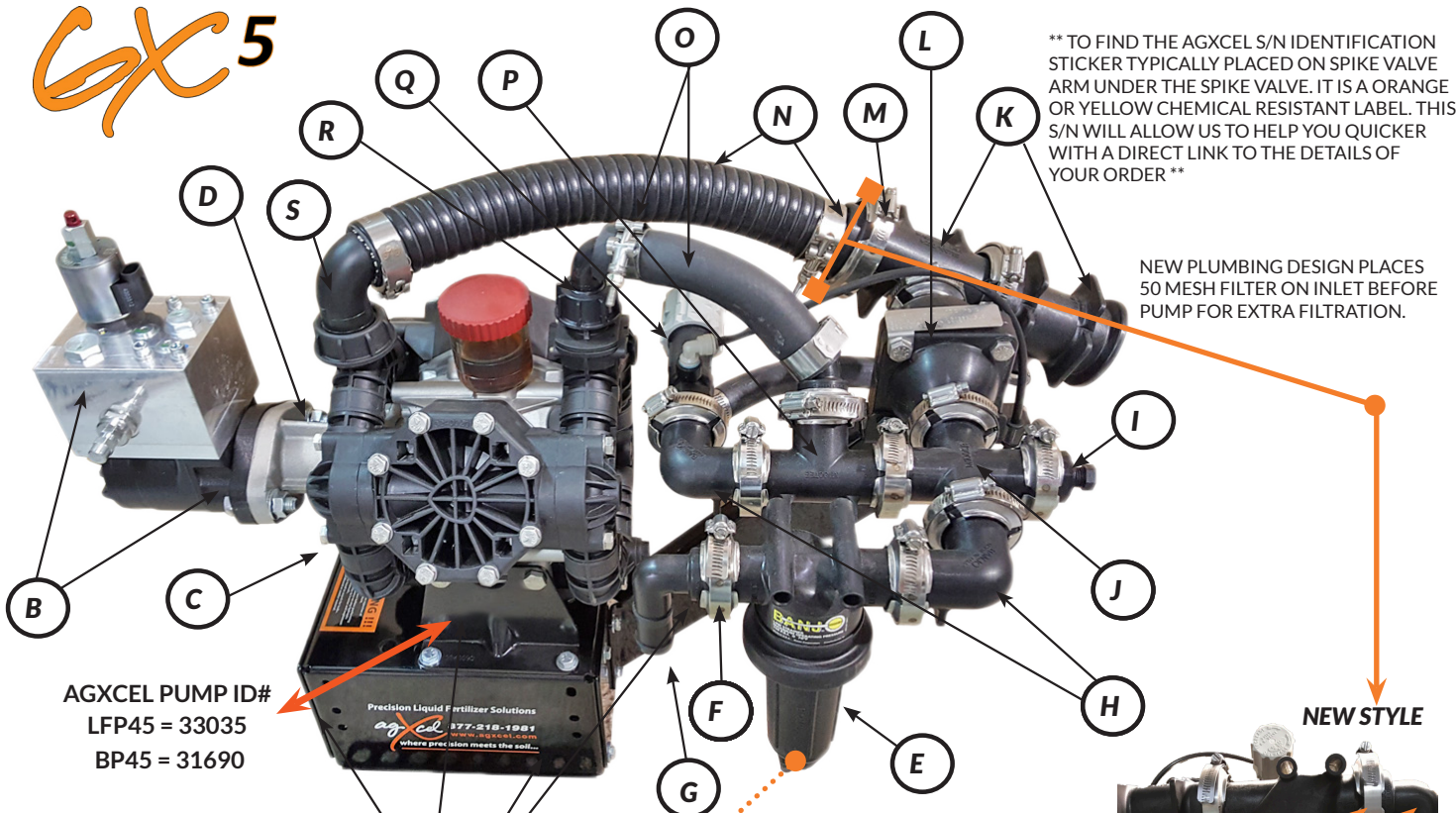


PN#53968 GX5 Bracket for on the rear lift assist wheels on JD1790 planter.



PN#53957 GX5 Bracket assembly for JD 1770 NT front fold 24 row planter - will NOT fit DB models.





** TO FIND THE AGXCEL S/N IDENTIFICATION STICKER TYPICALLY PLACED ON SPIKE VALVE ARM UNDER THE SPIKE VALVE. IT IS A ORANGE OR YELLOW CHEMICAL RESISTANT LABEL. THIS S/N WILL ALLOW US TO HELP YOU QUICKER WITH A DIRECT LINK TO THE DETAILS OF YOUR ORDER **

NEW PLUMBING DESIGN PLACES 50 MESH FILTER ON INLET BEFORE PUMP FOR EXTRA FILTRATION.

AGXCEL PUMP ID#
LFP45 = 33035
BP45 = 31690

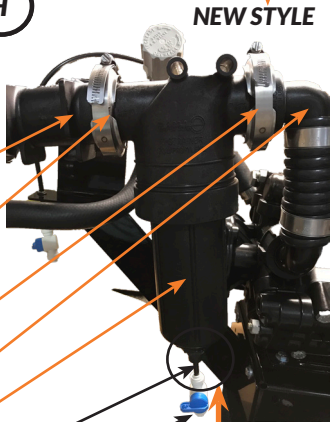
PUMP INLET FILTER OPTION	
51365	1 1/4" COUPLER 1" FLANGE
38269	2" FLANGE GASKET (1 REQ'D)
38267	2" FLANGE CLAMP (1 REQ'D)
50016	GASKET
33132	1" FLANGE CLAMP
51321	1" FLANGE 1 1/4" BARB
51842	T-STRAINER FILTER 50 MESH
19920	1/4" TUBING
19848	1/4" SHUT OFF

Older style required proper use of the tank to pump kit that was included in every system sold, providing extra filtration between tank and complete system inlet.

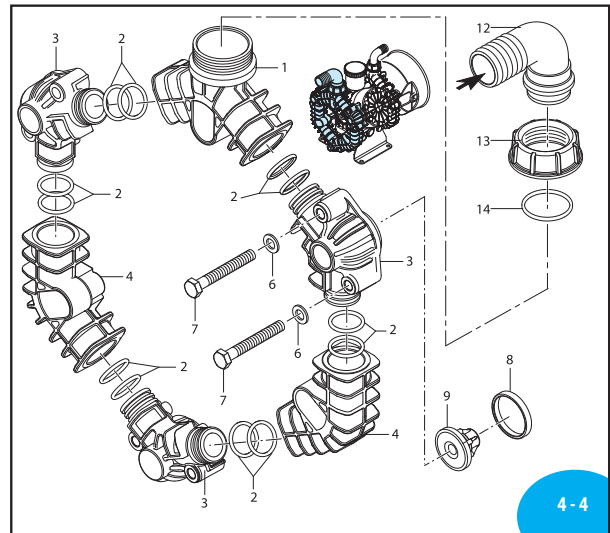
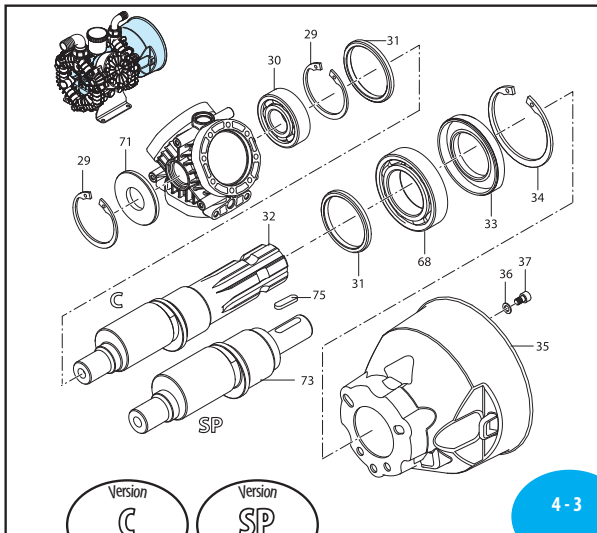
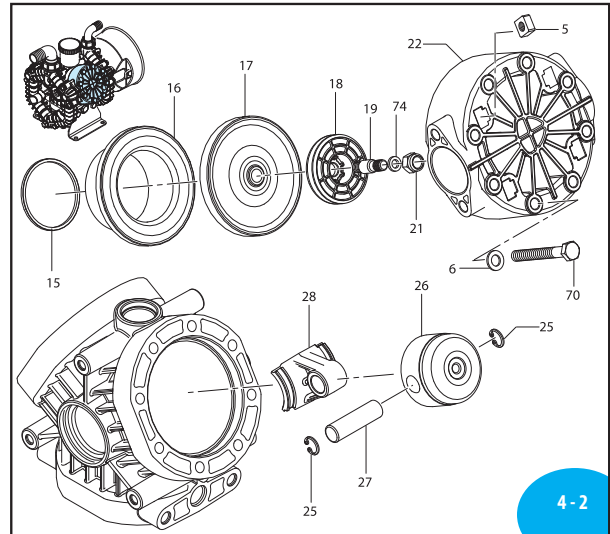
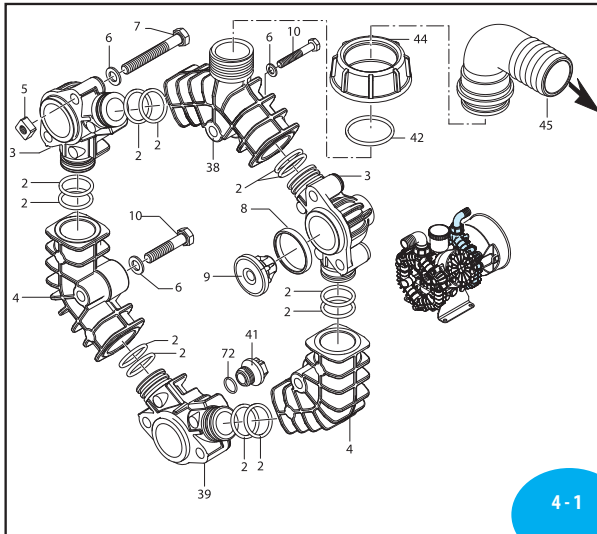
Older style also provided a 50 mesh filter plumbed before flow meter for secondary filtration.

BOTTOM OF FILTER	
32426	1/2" REDUCER 1/4"
263	1/4" QC TO 1/4 M NPT

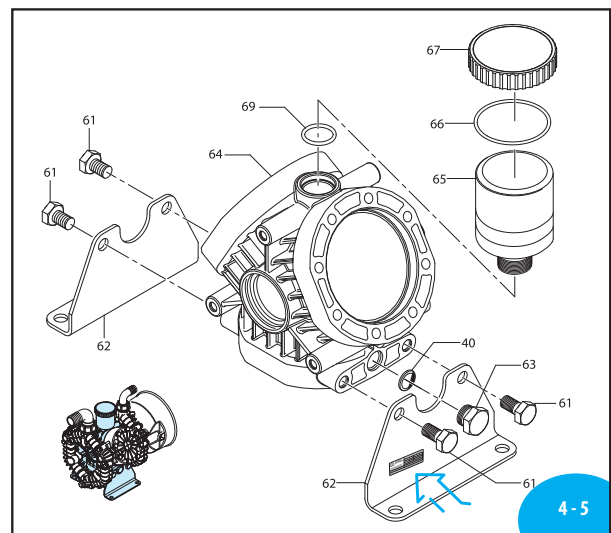
PN#	DESCRIPTION
55493	GX5MANUALOVERRIDEVALVE
55165	GX5PWMSOLENOID
54472	160 PSI HYD CARTRIDGE
54490	CARTRIDGE SEAL KIT FOR GX5 PWM #8
54488	CARTRIDGE SEAL KIT FOR GX5 PWM #5
54487	CARTRIDGE SEAL KIT FOR GX5 PWM #4
54489	CARTRIDGE SEAL KIT FOR GX5 PWM #6
55095	MOTOR SEAL KIT
54562	O'RING (BETWEEN MOTOR & PWM - QTY 2)



GX5 LFP45 & BP45 PUMP BREAK DOWN



LFP 45/BP45 - 3 DIAPHRAGMS	
FERTILIZER FLOW (GPM)	HYDRAULIC OIL FLOW (GPM)
3	.9
7	2.0
10	2.8
BASED ON A 30FT TOOL BAR.	




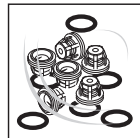
Pos	Code	Description	Qty	Note
1	3120410	Manifold suction	1	
2	720030	O-ring Ø 22.22x2.62	24	AR45bp
	720031	O-ring Ø 22.22x2.62	24	Viton AR45LFP
3	3120050	Manifold	5	
4	3120060	Manifold	4	
5	3120510	Nut M8	12	SS
6	3120761	Washer	42	Z/B AR45bp
	3120760	Washer	42	SS AR45LFP
7	3120251	Screw TE M8x60	12	T90* AR45bp
	3120250	Screw TE M8x60	12	SS T90* AR45LFP
8	3120230	Gasket	6	AR45bp
	3120680	Gasket	6	Viton AR45LFP
9	3129051	Complete valve	6	AR45LFP
	3129050	Complete valve	6	AR45bp
10	621782	Screw TE M8x40	6	SS T90* AR45LFP
	621780	Screw TE M8x40	6	T90* AR45bp
12	751200	Elbow 1 1/4"	1	
13	750670	Ring nut 1 1/2" G	1	
14	1880460	O-ring Ø 29x3	1	Viton AR45LFP
	390290	O-ring Ø 29x3	1	AR45bp
15	3120130	Piston ring	3	
16	3120090	Sleeve	3	
17	3120080	Diaphragm	3	NBR AR45bp
	3120082	Diaphragm	3	BlueFlex™ AR45LFP
	3120081	Diaphragm	3	Viton
	3120085	Diaphragm	3	Desmopan
18	3120120	Plate	3	
19	3120101	Hub pin AISI 316L	3	T220* (a) AR45LFP
	3120100	Hub pin AISI 316L	3	T220* (a) AR45bp
21	3120790	Nut M8 AISI 304	3	T180* (a) AR45LFP
	3120110	Nut M8 AISI 304	3	SS T180* AR45bp
22	3120020	Head	3	
25	1880450	Ring circlip Ø1 14	6	
26	3120070	Piston Ø 54	3	
27	380300	Pin	3	
28	3120180	Connecting-rod	3	
29	1460490	Ring circlip Ø1 47	2	
30	380230	Bearing	1	
31	1300120	Ring connecting rod	2	
32	3120500	Shaft marked DD	1	AR45bp/LFP C
33	3120160	Ring seal	1	
34	961790	Ring circlip Ø1 68	1	
35	3240290	Shield	1	
36	320620	Washer	4	AR45bp
37	820670	Screw TCEI M10x16	4	T90* AR45bp
38	3120380	Manifold	1	
39	3120330	Manifold for GS25 Controller	1	Not Shown
	3120051	Line	1	

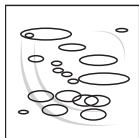
Pos	Code	Description	Qty	Note
40	740290	O-ring Ø 14x1.78	1	
41	3120690	Plug	1	T15*
42	1140450	O-ring Ø 20.24x2.62	1	AR45bp
	1140451	O-ring Ø 20.24x2.62	1	Viton AR45LFP
44	3120440	Ring nut 1" G	1	
45	3120460	Elbow 1"	1	
61	620342	Screw TE M10x20	4	SS T265* AR45LFP
	620340	Screw TE M10x20	4	T265* AR45bp
62	3120140	Foot	2	
63	880530	Plug 3/8" G	1	T180*
64	3120010	Pump body	1	
65	3120240	Tank	1	T180*
66	650920	O-ring Ø 53.65x2.62	1	
67	1040320	Plug red	1	
68	961780	Bearing	1	
69	720030	O-ring Ø 22.22x2.62	1	
70	3120271	Screw TE M8x65	24	SS T90* AR45LFP
	3120270	Screw TE M8x65	24	T90* AR45bp
71	3120640	Ring seal	1	
72	2840891	O-ring Ø 14x2	1	Viton AR45LFP
	2840890	O-ring Ø 14x2	1	AR45bp
73	3120170	Shaft marked DL	1	AR45bp/LFP SP
74	3120760	Washer	3	SS
75	2280950	Key	1	(d)
76	3129013	Complete Discharge manifold	1	AR45bp-SP
77	3129015	Complete inlet manifold	1	AR45bp
78	3129000	Piston ConRod assembly	3	Not shown
79	43883	Complete Discharge manifold	1	AR45LFP-GCI Not shown
80	43821	Controller Assembly	1	AR45LFP-GCI Not shown

(a) Screw with Loxeal 83-21 thread lock STRONG
(d) Supplied in kit applications.

* Torque: in-lbs +/- 10%

55564	LFP45/BP45 BLUE FLEX DIAPHRAGM KIT						
55568	LFP 45 VITON DIAPHRAGM KIT						
 <table border="1"> <thead> <tr> <th>Pos.</th><th>Qty</th></tr> </thead> <tbody> <tr> <td>8</td><td>6</td></tr> <tr> <td>17</td><td>3</td></tr> </tbody> </table>		Pos.	Qty	8	6	17	3
Pos.	Qty						
8	6						
17	3						

55566	LFP 45 VALVE KIT						
55565	BP 45 VALVE KIT						
 <table border="1"> <thead> <tr> <th>Pos.</th><th>Qty</th></tr> </thead> <tbody> <tr> <td>8</td><td>6</td></tr> <tr> <td>9</td><td>6</td></tr> </tbody> </table>		Pos.	Qty	8	6	9	6
Pos.	Qty						
8	6						
9	6						

37735	LFP 45 O-RING KIT																
37760	BP 45 O-RING KIT																
 <table border="1"> <thead> <tr> <th>Pos.</th><th>Qty</th></tr> </thead> <tbody> <tr> <td>2</td><td>24</td></tr> <tr> <td>14</td><td>1</td></tr> <tr> <td>40</td><td>1</td></tr> <tr> <td>42</td><td>1</td></tr> <tr> <td>66</td><td>1</td></tr> <tr> <td>69</td><td>1</td></tr> <tr> <td>72</td><td>1</td></tr> </tbody> </table>		Pos.	Qty	2	24	14	1	40	1	42	1	66	1	69	1	72	1
Pos.	Qty																
2	24																
14	1																
40	1																
42	1																
66	1																
69	1																
72	1																

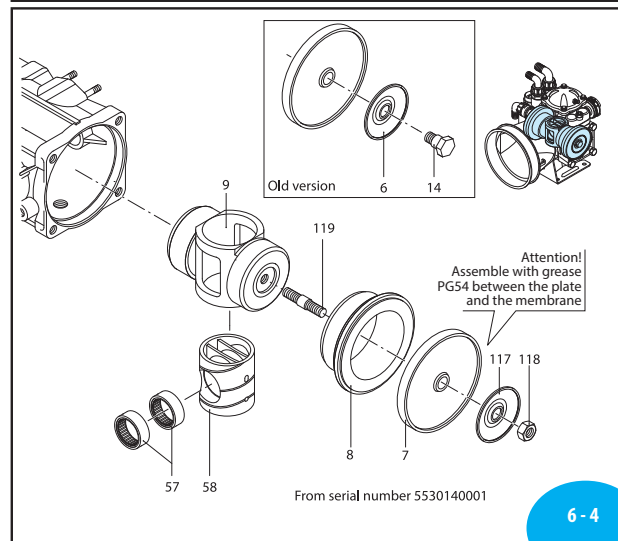
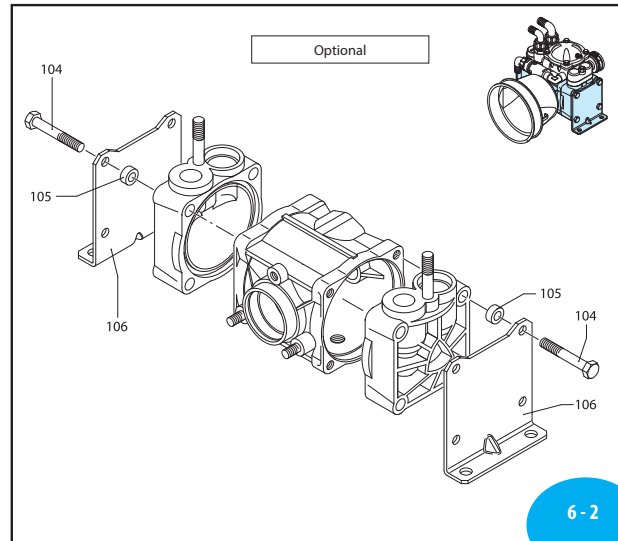
Diaphragm Pump Oil

Specifically formulated for GX5 Diaphragm pumps.

- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil

31326	OIL QUART (32oz)
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CRANKCASE OIL CAPACITY 13 oz.



Specifically formulated for GX5 Diaphragm pumps.

- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil

31326	OIL QUART (32oz)
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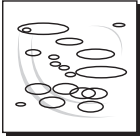
CRANKCASE OIL CAPACITY 24 oz.


Pos	Code	Discription	Qty	Note
1	550011	Pump body	11	
2	550101	Head	1	
3	550102	Head	1	
4	550150	Fitting	1	
5	550180	Semi air chamber lower	1	
6	580370	Wobble plate hole Ø 14	2	(b)
	550080	Diaphragm	2	NBR
	550081	Diaphragm	2	BlueFlex™
	550084	Diaphragm	2	Viton
	550085	Diaphragm	2	Desmopan
	550086	Diaphragm	2	HPDS
8	550110	Sleeve	2	
9	550120	Piston Ø 75	1	
10	320030	O-ring Ø 31.5x4.5	4	90Sh
11	759051	Valve	4	
12	551040	Screw TE M10x55	8	Geomet T355*
13	180152	Nut M10	2	Geomet T355*
14	580360	Hub pin	2	T265* (b)
15	550880	Ring nut 1" G	1	
16	580040	Elbow 1 1/4"	1	
17	550370	Elbow 1"	1	
18	550350	O-ring Ø 23.81x2.62	1	
19	550340	Fitting 1" G M-M	1	
23	550310	Bushing	1	
24	390290	O-ring Ø 29x3	7	
26	550300	Air valve	1	T25*
27	650542	Gasket	1	
28	550680	Screw TE M8x20	4	Geomet T180*
29	550233	Semi air chamber upper	1	Black
	550190	Diaphragm air chamber	1	NBR
	550194	Diaphragm air chamber	1	BlueFlex™
	550192	Diaphragm air chamber	1	Viton
	550193	Diaphragm air chamber	1	HPDS
32	550052	Plug	1	black
33	550040	O-ring Ø 26.65x2.62	1	
34	550030	Tank	1	
35	850851	Screw TCEI M6x30	2	Geomet T90*
36	180101	O-ring Ø 17.5x2	1	
41	650661	Diaphragm holder	1	cataforesi
	650670	Diaphragm	1	NBR
	650671	Diaphragm	1	BlueFlex™
43	651670	Clamp	1	T25*
44	200391	Ring circlip Ø1 62	1	

Pos	Code	Discription	Qty	Note
45	550470	Bushing seal ring	1	
46	550070	Washer	1	
47	550060	Bushing	1	
48	550170	Shaft marked AL	1	SP
53	320621	Washer	5	Geomet
54	659209	Diaphragm	1	
57	550280	Bushing	2	
58	550140	Cylinder trolling piston	1	
61	580080	Foot	1	
62	540301	Screw TCEI M10x30	1	Geomet T355*
64	550160	Spacer	1	
66	550491	Ring seal	1	
67	650920	O-ring Ø 53.65x2.62	1	
68	880530	Plug 3/8" G	1	T180*
72	550173	Shaft marked AM	1	C
74	1500350	Shield	1	
75	550332	Washer	2	Geomet
76	740290	O-ring Ø 14x1.78	1	
77	330173	Plug 1/2" G	1	Geomet T180*
78	881560	Fitting 1/2" G M-F	1	
79	620472	Screw TCEI M10x20	3	Geomet T265*
80	1609000	Safety valve	1	
81	880831	O-ring Ø 15.54x2.62	1	Viton
82	550460	Elbow Ø 18	1	
83	550450	Ring nut 3/4" G	1	
87	450120	Fitting 1" G - 1 1/4 G M-M	1	
88	550870	Ring nut 1" 1/4 G	1	
104	1300361	Screw TE M10x65	8	Geomet T355*
105	551030	Spacer	8	
106	551020	Foot	2	
114	180101	O-ring Ø 17.5x2	1	
115	580280	Hose tail 1 1/4"	1	optional
116	550210	Hose tail 1"	1	optional
117	580371	Plate hole Ø 10	2	(a)
118	2240110	Nut M10	2	SS T220* (a)
119	2240100	Stud	2	(a) T265*

(a) From serial number 5530140001.
(b) Up to serial number 5529149999.


* Torque: in-lbs +/- 10%

29935	D70 O-RING KIT
	
Pos.	Qty
10	4
18	1
24	7
27	1
33	1
36	1
67	1
76	1

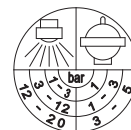
29934	D70 VALVE KIT
	
Pos.	Qty
10	4
11	4

The D70 pump has been retired from the Agxcel Hydraulic line-up. The newer LFP45 & LFP80 offer superior stability with three diaphragms, blue flex and interior components suitable for liquid, fertilizer and pesticides.

Replacement parts for the D70 are still stocked.

37703	D70 BLUEFLEX DIAPHRAGM KIT
	
Pos.	Qty
7	2
10	4
30	1

37720	D70 DAMPER DIAPHRAGM
55197	D70 DAMPER DIAPHRAGM CLAMP



2154700 Air chamber decal

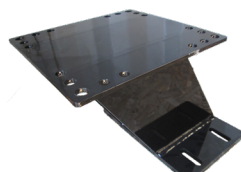


GX5 LFP80/BP80 COMPONENTS		
PN#		DESCRIPTION
A	53692	GX5BASEMOUNT
	53693	GX5BASEBOXPLATE (2 REQ'D)
	18169	GX5SPIKEVALVEEXTDBKT
B	38387	GX5 EATON ORBIT (MOTOR ONLY)
	53930	GX5PWMHYDVALVE 10 (PWM ONLY)
	53931	GX5 PWM HYD VALVE W/ MOTOR KIT
C	38461	GX5 LFP 80 PUMP ONLY .5 - 20 GPM
	55560	GX5 BP 80 PUMP ONLY .5 - 20 GPM
D	55586	HYD FLANGE KIT
E	51842	1"IN LINE T-STRAINER-50 MESH
F	33132	1" WORM SCREW CLAMP (10 REQ'D)
	50016	3/4" EPDM GASKET (10 REQ'D)
G	51328	1" MANIFOLD X 90 DEGREE BARB
H	51333	1" FLANGED ELBOW
I	51344	1" PLUG WITH 1/4" FPT
	32361	1/4" HEX PLUG
	52142	1/4" POLY ELBOW FOR GAUGE
J	51334	1" FLANGED CROSS
K	51366	2" PORT x 1" FLANGED TEE
L	53629	100 PSI PRESSURE RELIEF VALVE

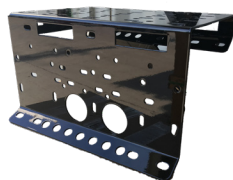
PN#		DESCRIPTION
M	38267	2" WORM SCREW CLAMP
	38269	2" FLANGE GASKET
N	52195	1-1/2 T-BOLT CLAMP (2 REQ'D)
	53480	1-1/2 SPIRAL HOSE (@ 1 FT)
O	53502	1" BLACK HOSE
	52198	1-1/2 T-BOLT CLAMP
P	51347	1" MANIFOLD FLANGED TEE
Q	39456	3/4" RELIEF VALVE
R "OUT"	55771	1" ELBOW
	55770	RING NUT
	55920	O RING VITON FOR LFP80
	55919	O RING FOR BP 80
S "IN"	56139	1 1/2" ELBOW
	55761	RING NUT
	55915	O RING VITON FOR LFP80
	29232	O RING FOR BP 80



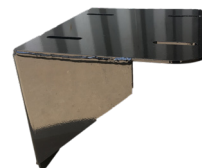
PN#54898 Universal mounting bracket



PN#54586 CASE IH/JD bracket to mount the GX5 on the draw bar (Bracket can fit draw bars 8" to 10" wide)



PN#53968 GX5 Bracket for on the rear lift assist wheels on JD1790 planter.



PN#54397 GX5 Bracket for JD1720 CCS (mounted to circular plate on lift assist frame)

LFP80/BP80 - 3 DIAPHRAGMS	
FERTILIZER FLOW (GPM)	HYDRAULIC OIL FLOW (GPM)
5	1.4
10	2.8
15	4.3
20	5.7
BASED ON A 30FT TOOL BAR	



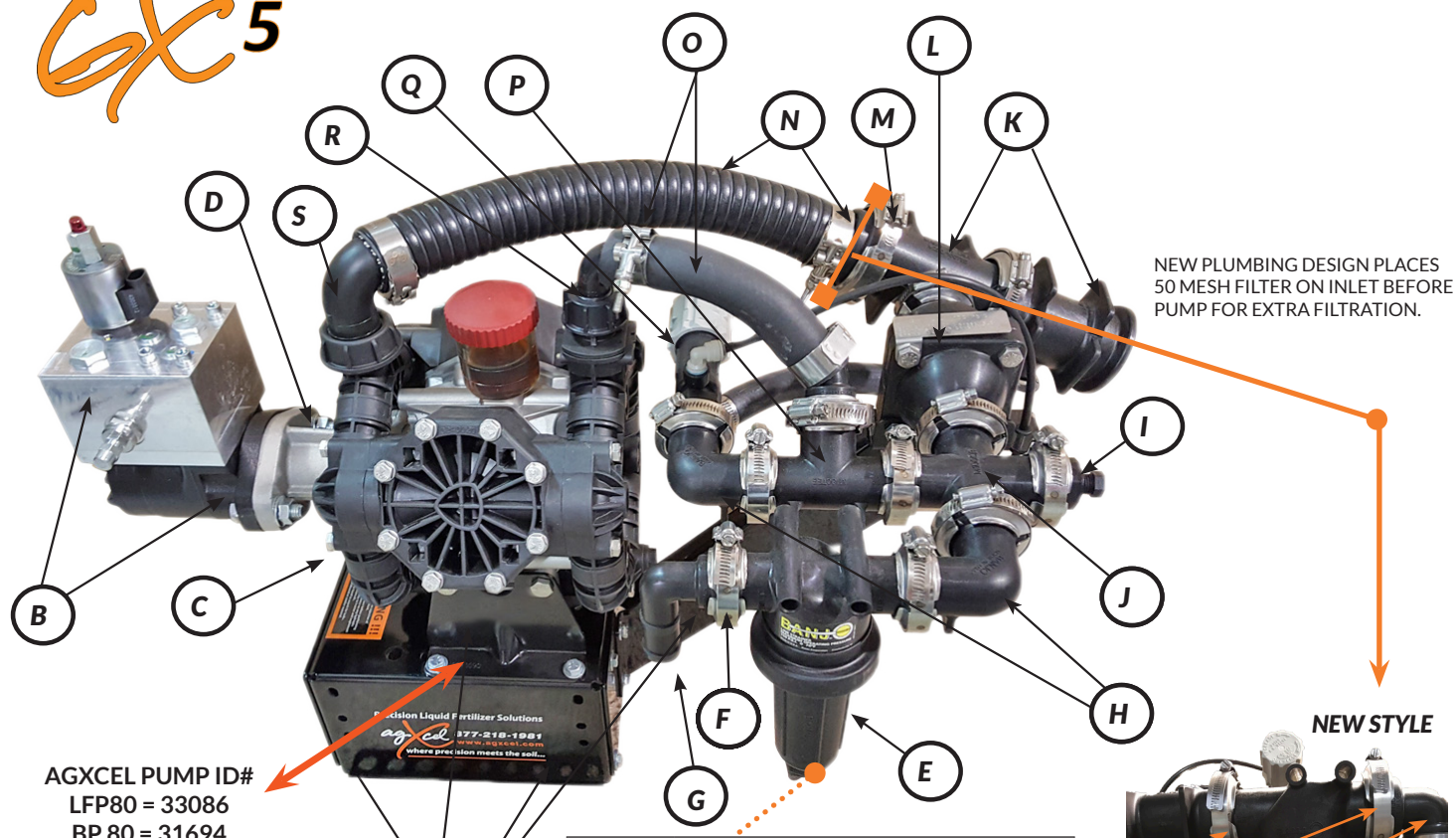
PN#53678 GX5 bracket for JD planter front fold for 12 & 16 row planters - will NOT fit DB models.



PN#53957 GX5 Bracket assembly for JD 1770 NT front fold 24 row planter - will NOT fit DB models.

OPTIONAL MOUNTING GX5 MOUNTING BRACKETS

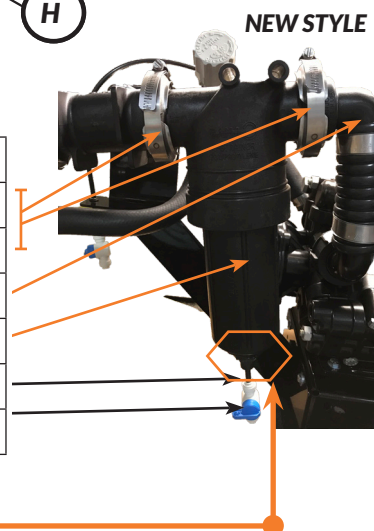


GX⁵

Older style required proper use of the tank to pump kit that was included in every system sold, providing extra filtration between tank and complete system inlet.

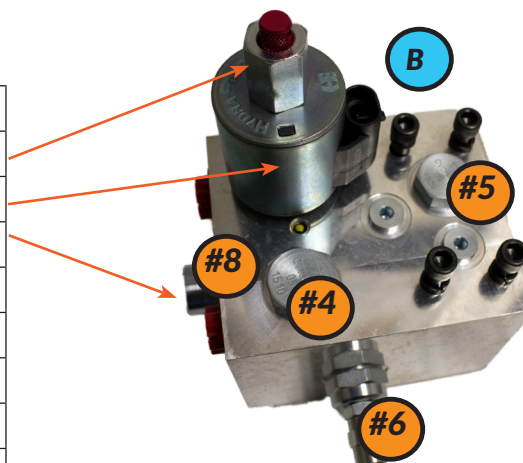
Older style also provided a 50 mesh filter plumbed before flow meter for secondary filtration.

PUMP INLET FILTER OPTION	
38269	2" FLANGE GASKET (2 REQ'D)
38267	2" FLANGE CLAMP (2 REQ'D)
51374	1 1/2 BARB ELBOW
51850	T-STRAINER FILTER 50 MESH
19920	1/4" TUBING
19848	1/4" SHUT OFF



BOTTOM OF FILTER	
32423	1" REDUCER 1/2"
32426	1/2" REDUCER 1/4"
263	1/4" QC TO 1/4 M NPT

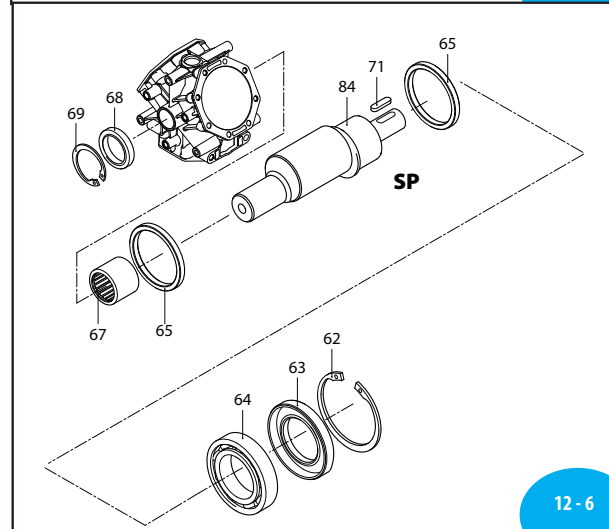
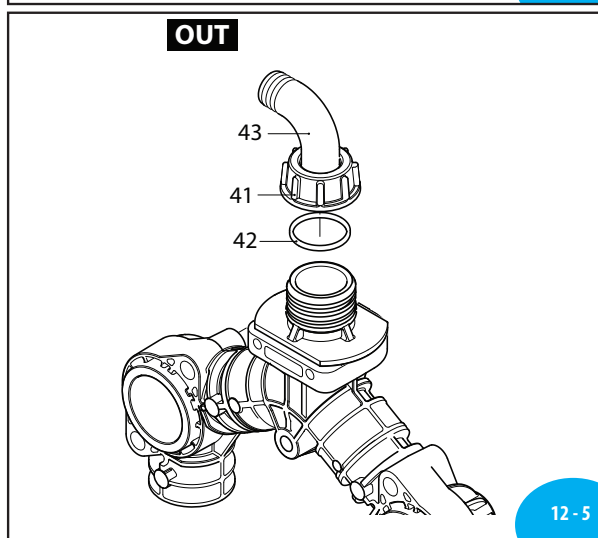
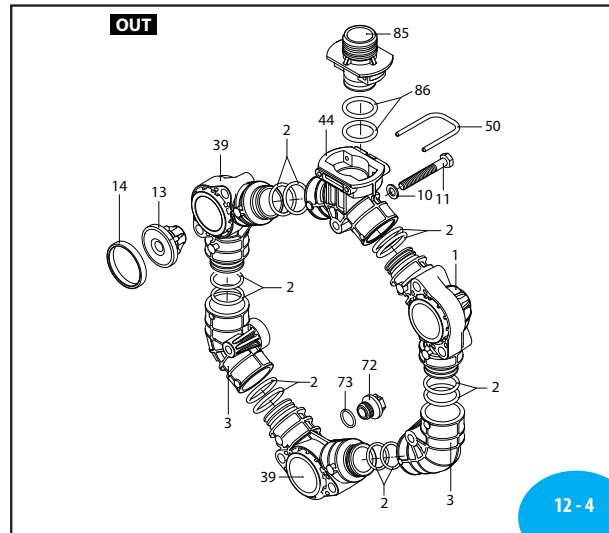
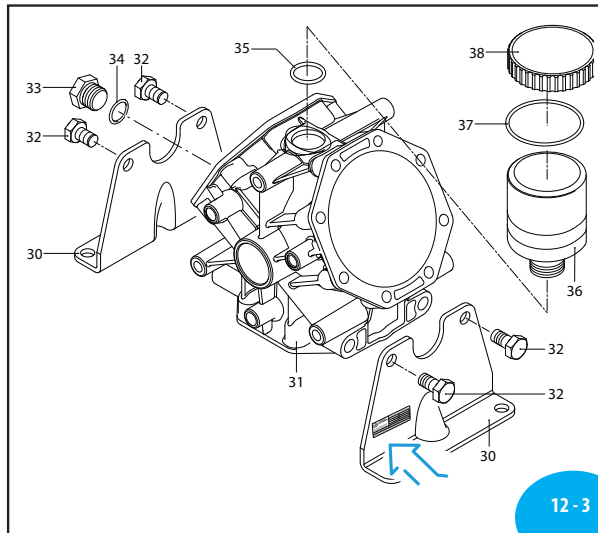
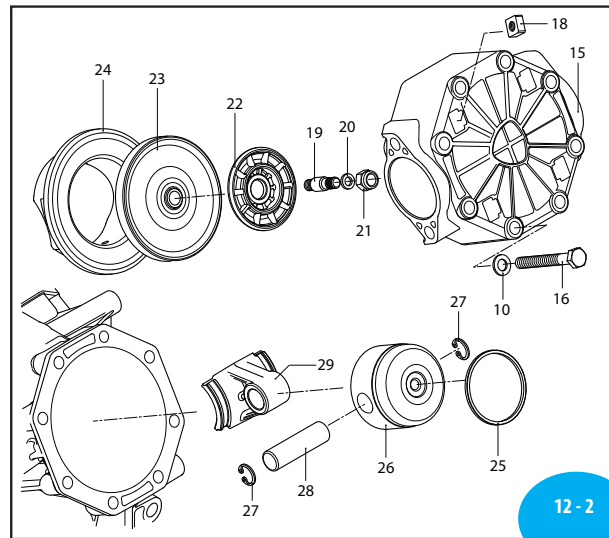
PN#	DESCRIPTION
55493	GX5MANUALOVERRIDEVALVE
55165	GX5PWMSOLENOID
54472	160 PSI HYD CARTRIDGE
54490	CARTRIDGE SEAL KIT FOR GX5 PWM #8
54488	CARTRIDGE SEAL KIT FOR GX5 PWM #5
54487	CARTRIDGE SEAL KIT FOR GX5 PWM #4
54489	CARTRIDGE SEAL KIT FOR GX5 PWM #6
55095	MOTOR SEAL KIT
54562	O'RING (BETWEEN MOTOR & PWM - QTY 2)



IN

1 2 3 4 5 6 7 8 9 10 11 12 13 14


12 - 1



Pos	Code	Description	Qty	Note
85	3240460	Adapter 1" G	1	
86	550351	O-ring Ø 23.81x2.62	2	Viton

(a) Screw with Loxeal 83-21 thread lock STRONG.
 (d) Supplied in kit applications.
 * Torque: in-lbs +/- 10%

55570	LFP80/BP80 BLUE FLEX DIAPHRAGM KIT
55569	LFP80 VITON DIAPHRAGM KIT

	Pos.	Qty
	14	6
	23	3
	45	2
	47	1

31326	OIL QUART (32oz)
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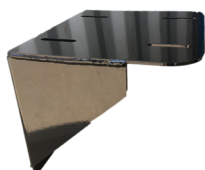
GX5 D115 COMPONENTS		
PN#	DESCRIPTION	
A	53692	GX5BASEMOUNT
	53693	GX5BASEBOXPLATE (2 REQ'D)
	18169	GX5SPIKEVALVEBKT (D115 ONLY)
	37632	PUMP MOUNT BRACKET (D115 ONLY)
B	38387	GX5 EATON ORBIT (MOTOR ONLY)
	53930	GX5PWMHYDVALVE 10 (PWM ONLY)
	53931	GX5 PWM HYD VALVE W/ MOTOR KIT
C	27479	GX5 D115 PUMP ONLY 1 - 25 GPM
	38465	HYD FLANGE KIT FOR D115
E	51842	1"IN LINE T-STRAINER-50 MESH
F	33132	1" WORM SCREW CLAMP (10 REQ'D)
	50016	3/4" EPDM GASKET (10 REQ'D)
G	51328	1" MANIFOLD X 90 DEGREE BARB
H	51333	1" FLANGED ELBOW
I	51344	1" PLUG WITH 1/4" FPT
	32361	1/4" HEX PLUG
	52142	1/4" POLY ELBOW FOR GAUGE
J	51334	1" FLANGED CROSS
K	51366	2" PORT x 1" FLANGED TEE
L	53629	100 PSI PRESSURE RELIEF VALVE

PN#		DESCRIPTION
M	38267	2" WORM SCREW CLAMP
	38269	2" FLANGE GASKET
N	52195	1-1/2 T-BOLT CLAMP (2 REQ'D)
	53480	1-1/2 SPIRAL HOSE (@ 1 FT)
O	53502	1" BLACK HOSE
	52198	1-1/2 T-BOLT CLAMP
P	51347	1" MANIFOLD FLANGED TEE
Q	39456	3/4" RELIEF VALVE
R "OUT"	29416	1" ELBOW
	29404	RING NUT
	29415	O RING FOR D115
S "IN"	29376	1 1/2" ELBOW
	29375	RING NUT
	29124	O RING FOR D115



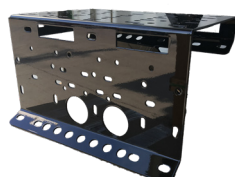
In order to prevent debris and chemical deposits from clogging or logging into your hydraulic system, Agxcel recommends a minimum of 30 mesh filter in line between tank and system inlet. Even the smallest debris can block diaphragms from closing properly affecting rates and pump performance.

PN#54397 GX5 Bracket for JD1720 CCS (mounted to circular plate on lift assist frame)



PN#54898 Universal mounting bracket

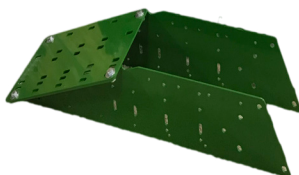
OPTIONAL MOUNTING GX5 MOUNTING BRACKETS



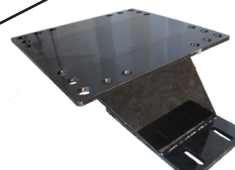
PN#53968 GX5 Bracket for on the rear lift assist wheels on JD1790 planter.



PN#53678 GX5 bracket for JD planter front fold for 12 & 16 row planters - will NOT fit DB models.

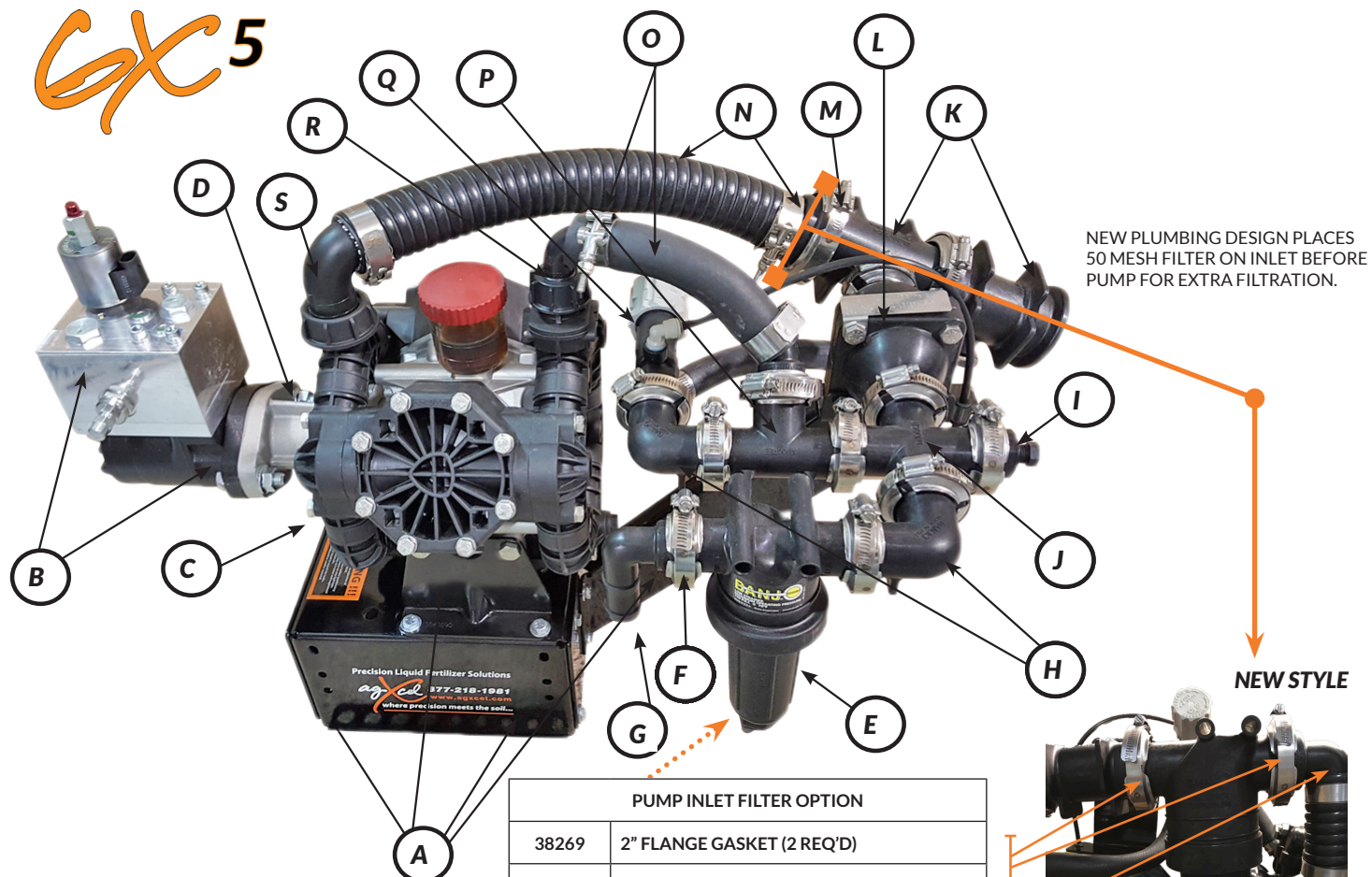


PN#53957 GX5 Bracket assembly for JD 1770 NT front fold 24 row planter - will NOT fit DB models.



PN#54586 CASE IH/JD bracket to mount the GX5 on the draw bar (Bracket can fit draw bars 8" to 10" wide)

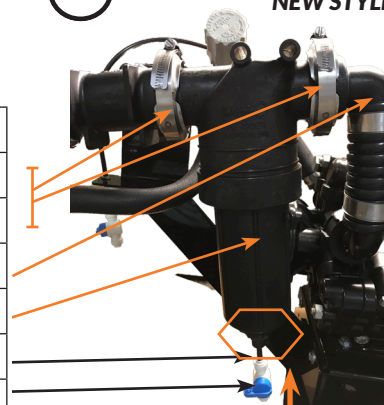
GX5



Older style required proper use of the tank to pump kit that was included in every system sold, providing extra filtration between tank and complete system inlet.

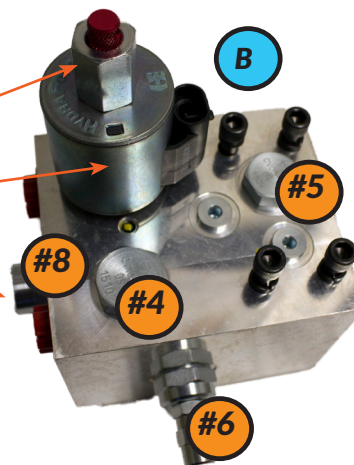
Older style also provided a 50 mesh filter plumbed before flow meter for secondary filtration.

NEW STYLE

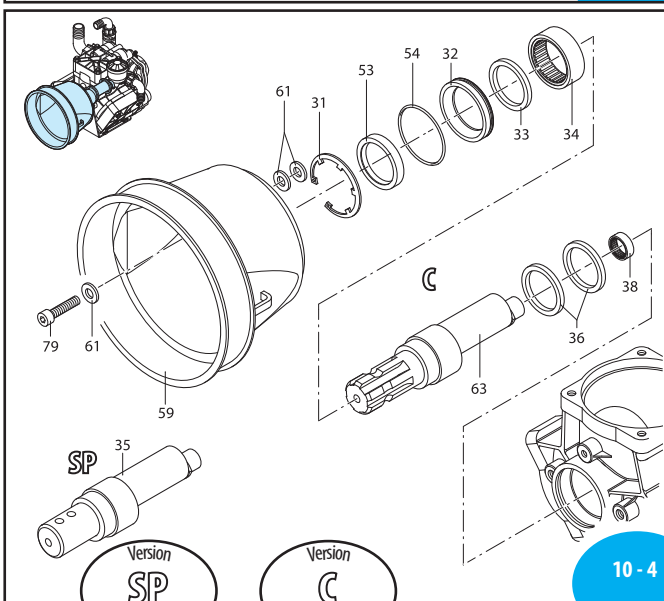
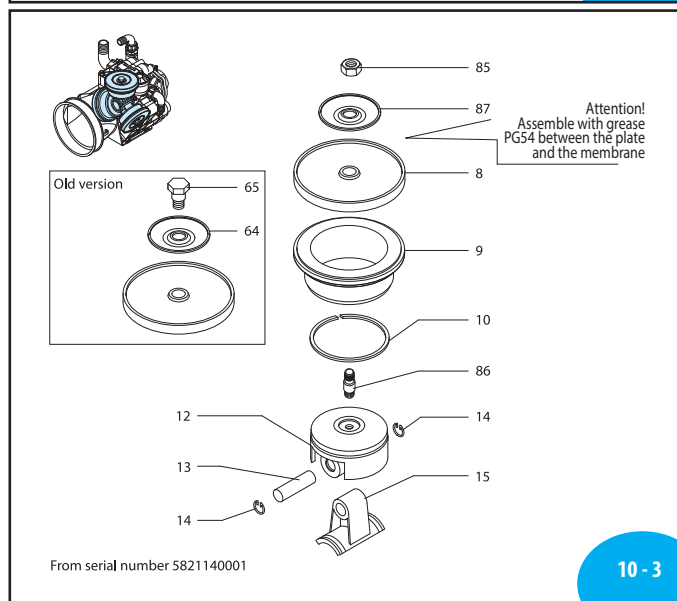
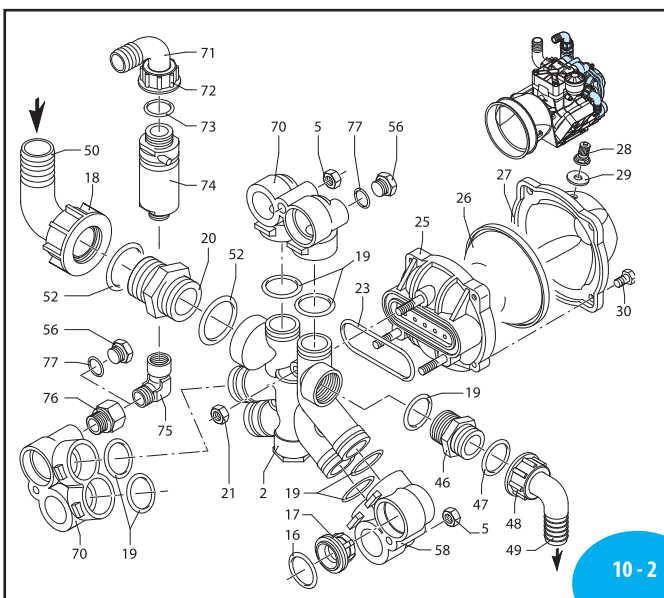
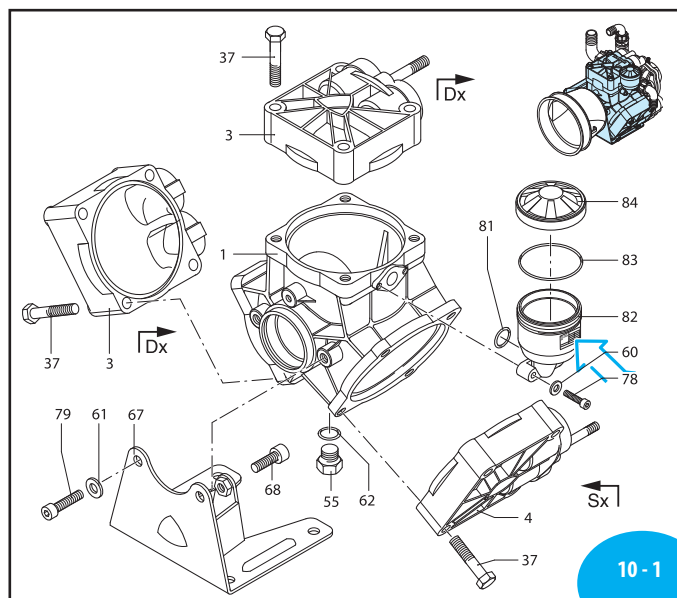


BOTTOM OF FILTER	
32423	1" REDUCER 1/2"
32426	1/2" REDUCER 1/4"
263	1/4" QC TO 1/4 M NPT

PN#	DESCRIPTION
55493	GX5MANUALOVERRIDEVALVE
55165	GX5PWMSOLENOID
54472	160 PSI HYD CARTRIDGE
54490	CARTRIDGE SEAL KIT FOR GX5 PWM #8
54488	CARTRIDGE SEAL KIT FOR GX5 PWM #5
54487	CARTRIDGE SEAL KIT FOR GX5 PWM #4
54489	CARTRIDGE SEAL KIT FOR GX5 PWM #6
55095	MOTOR SEAL KIT
54562	O'RING (BETWEEN MOTOR & PWM - QTY 2)



GX5 D115 PUMP BREAK DOWN



D115 - 3 DIAPHRAGMS

FERTILIZER FLOW (GPM)	HYDRAULIC OIL FLOW (GPM)
5	2.1
10	4.2
15	6.3
20	8.4
25	10.5
BASED ON A 30FT TOOL BAR	

Diaphragm Pump Oil

Specifically formulated for GX5 Diaphragm pumps.

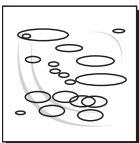
- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil

31326

OIL QUART (32oz)

CRANKCASE OIL CAPACITY 32 oz.

Pos	Code	Discription	Qty	Note
1	580013	Pump body	1	
2	580150	Manifold	1	
3	550101	Head marked dx	2	
4	550102	Head marked sx	1	
5	180152	Nut M10	3	Geomet T355*
8	550081	Diaphragm	3	BlueFlex™
	550080	Diaphragm	3	NBR
	550084	Diaphragm	3	Viton
	550086	Diaphragm	3	HPDS
9	580110	Sleeve	3	AR115bp
	580350	Sleeve	3	AR135bp
	580112	Sleeve	3	AR115bp/1000
10	500260	Piston ring	3	
12	580120	Piston Ø 80	3	
13	380300	Pin	3	
14	380080	Ring circlip Øi 14	6	
15	580140	Connecting-rod	3	
16	320030	O-ring Ø 31.5x4.5	6	90Sh
17	759051	Valve	6	AR115bp AR135bp
	589050	Valve	6	AR115bp/1000
18	540541	Ring nut 1" 3/4 G	1	
19	390291	O-ring Ø 28.25x2.62	7	
20	540530	Fitting 1"1/4G-1"3/4GM-M	1	
21	390271	Nut M8	3	Geomet T180*
23	580050	Gasket	1	
25	580180	Semi air chamber lower	1	Black
26	550194	Diaphragm air chamber	1	Blueflex™
	550190	Diaphragm air chamber	1	NBR
	550192	Diaphragm air chamber	1	Viton
	550193	Diaphragm air chamber	1	HPDS
27	550233	Semi air chamber upper	1	Black
28	550300	Air valve	1	T25*
29	650542	Gasket	1	
30	550680	Screw TE M8x20	4	Geomet T180*
31	200391	Ring circlip Øi 62	1	
32	550470	Bushing seal ring	1	
33	550070	Washer	1	
34	550060	Bushing	1	
35	550170	Shaft marked AL	1	AR115bp SP
	580380	Shaft marked AT	1	AR135bp SP
36	580470	Ring connecting rod	2	
37	551040	Screw TE M10x55	12	Geomet
38	550310	Bushing	1	
46	550340	Fitting 1" G M-M	1	
47	550350	O-ring Ø 23.81x2.62	1	
48	550242	Ring nut 1" G	1	
49	550370	Elbow 1"	1	
50	540550	Elbow 1 1/2"	1	
52	250310	O-ring Ø 36.14x2.62	2	

29922	D115 O'RING KIT
	

Pos.	Qty
16	6
19	7
29	1
47	1
52	1
54	1
66	1
81	1
83	1

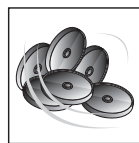
Pos	Code	Discription	Qty	Note
53	550491	Ring seal	1	
54	650920	O-ring Ø 53.65x2.62	1	
55	880530	Plug 3/8" G	1	T180*
56	330173	Plug 1/2" G	1	Geomet T180*
58	580072	Fitting	1	
59	1500350	Shield	1	
60	550332	Washer	2	Geomet
61	320621	Washer	5	Geomet
62	740290	O-ring Ø 14x1.78	1	
63	550173	Shaft marked AM	1	AR115bp C
	580330	Shaft marked AS	1	AR135bp C
	550176	Shaft marked AP	1	AR115bp/1000
64	580370	Retaining washer hole Ø 14	3	(b)
65	580360	Hub pin	3	(b) T180*
67	580080	Foot	1	AR115bp AR135bp
	580082	Foot	1	AR115bp/1000
68	540301	Screw TCEI M10x30	1	Geomet T355*
70	580400	Fitting	2	
71	550460	Elbow Ø 18	1	
72	550450	Ring nut 3/4" G	1	
73	880831	O-ring Ø 15.54x2.62	1	Viton
74	1609000	Safety valve	1	290 PSI
75	881560	Fitting 1/2" G M-F	1	
76	580421	Fitting M-F 1/2"	1	T180*
77	180101	O-ring Ø 17.5x2	1	
78	850851	Screw TCEI M6x30	2	Geomet T90*
79	620472	Screw TCEI M10x20	3	Geomet T90*
81	390180	O-ring Ø 18.72x2.62	1	
82	1040310	Tank	1	
83	650920	O-ring Ø 53.65x2.62	1	
84	1040326	Plug black	1	AR115bp
	1040324	Plug red	1	AR135bp
	1040325	Plug green	1	AR115bp/1000
85	2240110	Nut M10	3	(a) T265*
86	2240100	Hub pin	3	(a) T265*
87	580371	Retaining washer hole Ø 10	3	(a)

(a) From serial number 5821140001.
(b) Up to serial number 5820149999.

* Torque: in-lbs +/- 10%

37708

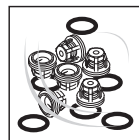
D115 BLUEFLEX DIAPHRAGM KIT



Pos.	Qty
8	3
16	6
26	1

29936

D115 VALVE KIT



Pos.	Qty
16	6
17	6



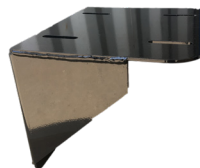
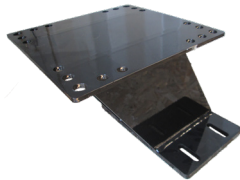
GX5 LFP120 COMPONENTS		
PN#		DESCRIPTION
A	53692	GX5BASEMOUNT
	53693	GX5BASEBOXPLATE (2 REQ'D)
	18169	GX5SPIKEVALVEBKT
B	38387	GX5 EATON ORBIT (MOTOR ONLY)
	53930	GX5PWMHYDVALVE 10 (PWM ONLY)
	53931	GX5 PWM HYD VALVE W/ MOTOR KIT
C	55530	GX5 LFP120
D	55585	HYD FLANGE KIT FOR LFP120
E	51842	1" IN LINE T-STRAINER 50 MESH
F	33123	1" WORM SCREW CLAMP
	50016	3/4" EPDM GASKET
G	51328	1" MANIFOLD X 90 DEGREE BARB
H	51333	1" FLANGED ELBOW
I	51344	1" PLUG WITH 1/4" FPT
	32361	1/4" HEX PLUG
	52142	1/4" POLY ELBOW FOR GAUGE
J	51334	1" FLANGED CROSS
K	51366	2" PORT x 1" FLANGED TEE
L	53629	100 PSI PRESSURE RELIEF VALVE

PN#		DESCRIPTION
M	38267	2" WORM SCREW CLAMP
	38269	2" FLANGE GASKET
N	52195	1-1/2 T-BOLT CLAMP (2 REQ'D)
	53480	1-1/2 SPIRAL HOSE (@ 1 FT)
O	53502	1" BLACK HOSE
	52198	1-1/2 T-BOLT CLAMP
P	51347	1" MANIFOLD FLANGED TEE
Q	39456	3/4" RELIEF VALVE
R "OUT"	56141	1" ELBOW
	56142	RING NUT
	56140	O RING FOR LFP120
S "IN"	56139	1 1/2" ELBOW
	55761	RING NUT
	55915	O RING FOR LFP120



In order to prevent debris and chemical deposits from clogging or logging into your hydraulic system, Agxcel recommends a minimum of 30 mesh filter in line between tank and system inlet. Even the smallest debris can block diaphragms from closing properly affecting rates and pump performance.

PN#54586 CASE IH/JD bracket to mount the GX5 on the draw bar (Bracket can fit draw bars 8" to 10" wide)



PN#54397 GX5 Bracket for JD1720 CCS (mounted to circular plate on lift assist frame)

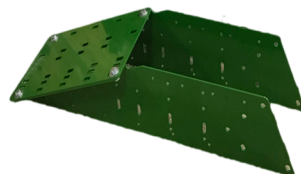


PN#54898 Universal mounting bracket

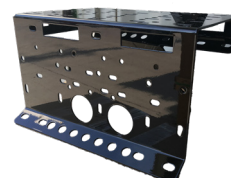


PN#53678 GX5 bracket for JD planter front fold for 12 & 16 row planters - will NOT fit DB models.

OPTIONAL MOUNTING GX5 MOUNTING BRACKETS

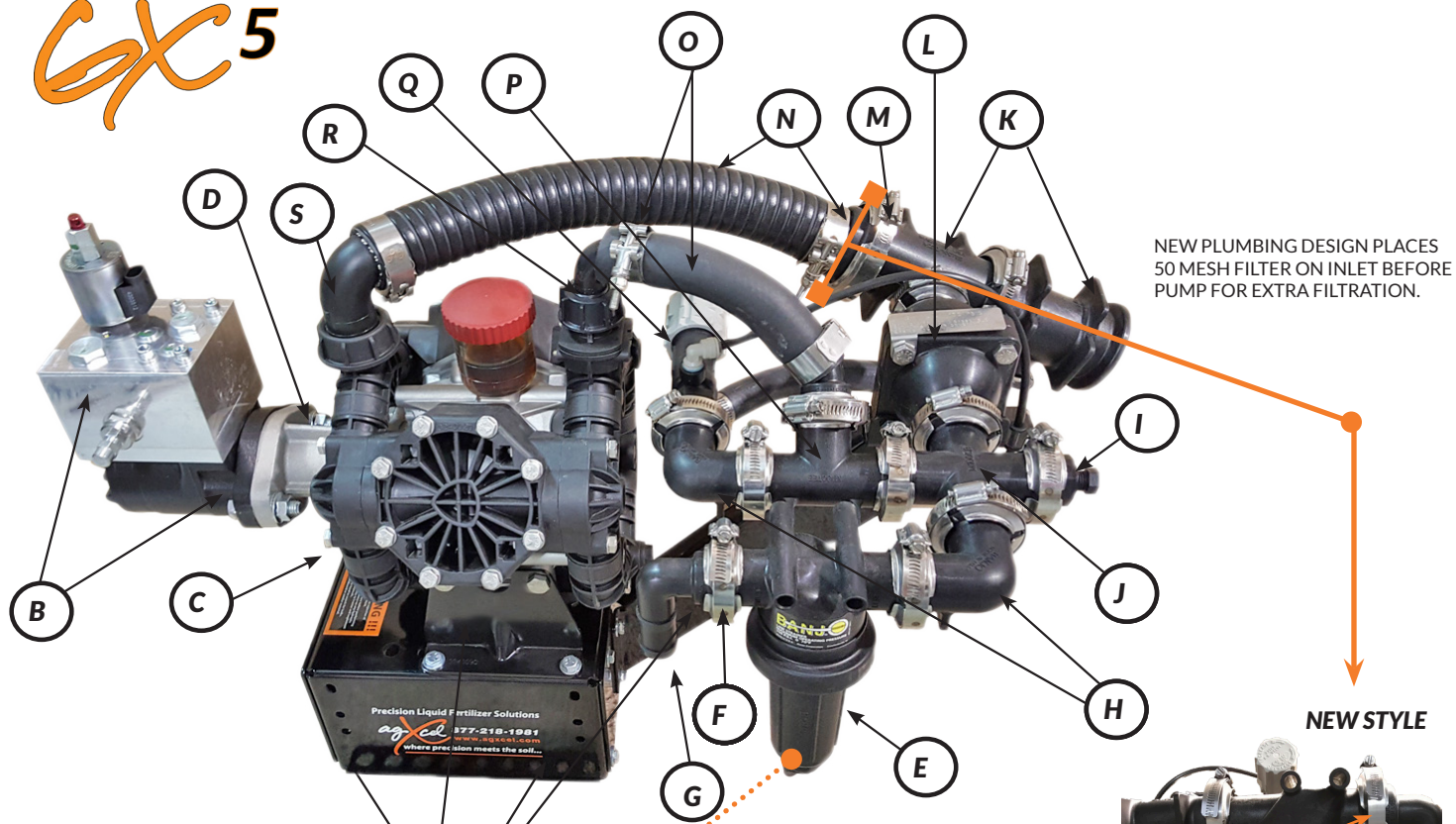


PN#53957 GX5 Bracket assembly for JD 1770 NT front fold 24 row planter - will NOT fit DB models.



PN#53968 GX5 Bracket for on the rear lift assist wheels on JD1790 planter.

GX5



NEW STYLE

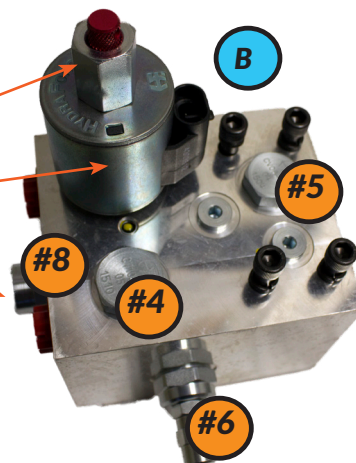
Older style required proper use of the tank to pump kit that was included in every system sold, providing extra filtration between tank and complete system inlet.

Older style also provided a 50 mesh filter plumbed before flow meter for secondary filtration.

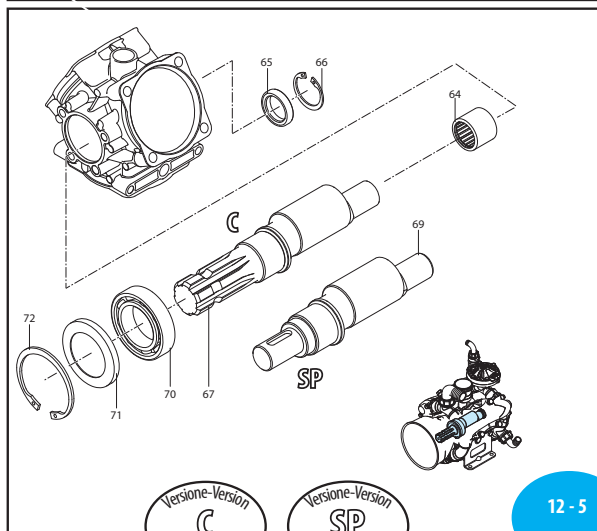
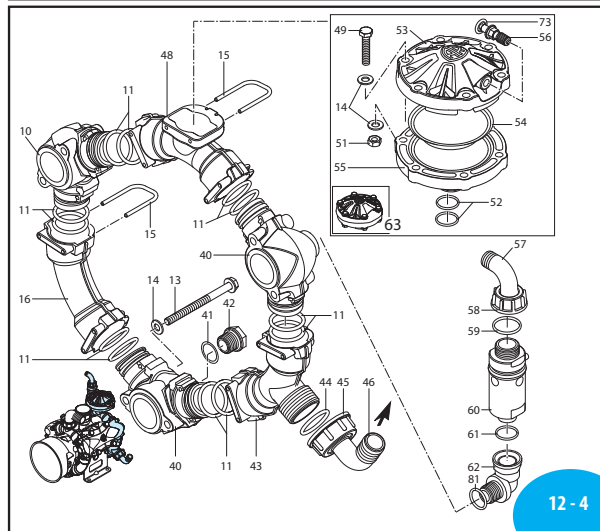
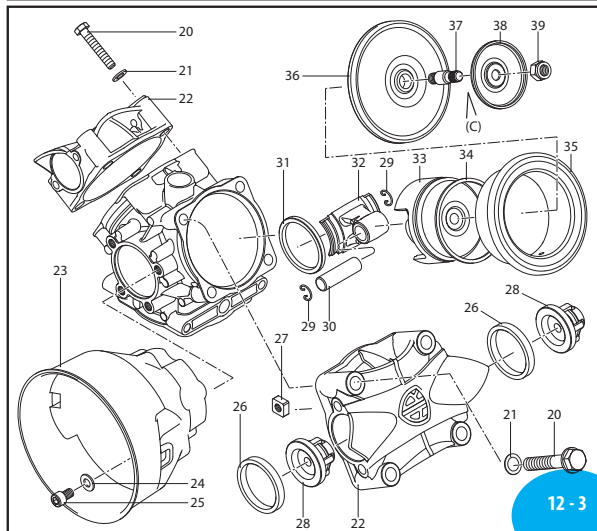
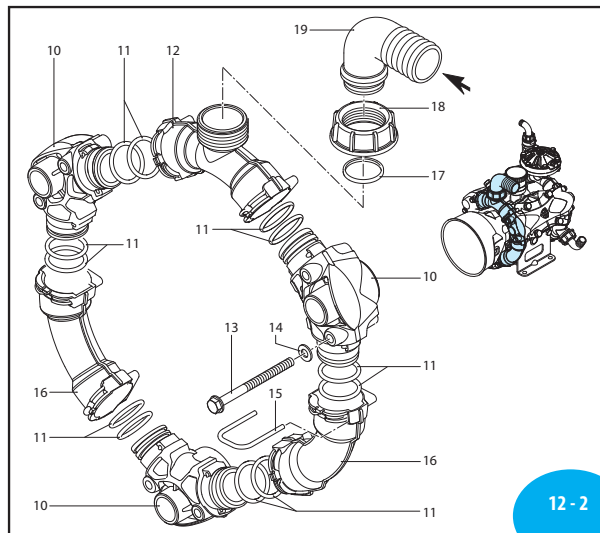
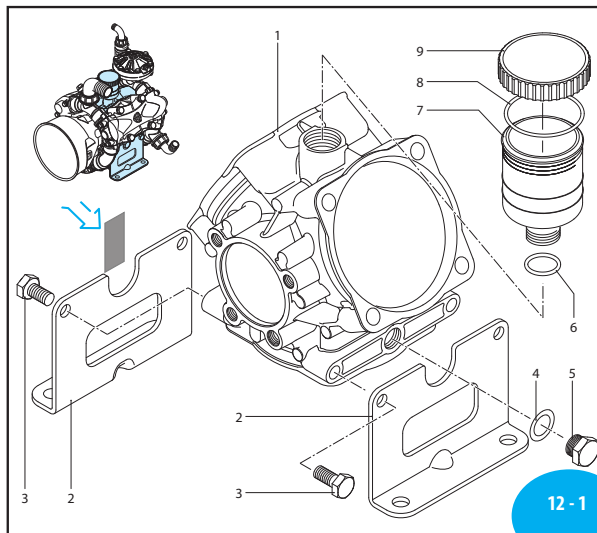
PUMP INLET FILTER OPTION	
38269	2" FLANGE GASKET (2 REQ'D)
38267	2" FLANGE CLAMP (2 REQ'D)
51374	1 1/2 BARB ELBOW
51850	T-STRAINER FILTER 50 MESH
19920	1/4" TUBING
19848	1/4" SHUT OFF

BOTTOM OF FILTER	
32423	1" REDUCER 1/2"
32426	1/2" REDUCER 1/4"
263	1/4" QC TO 1/4 M NPT

PN#	DESCRIPTION
55493	GX5MANUALOVERRIDEVALVE
55165	GX5PWMSOLENOID
54472	160 PSI HYD CARTRIDGE
54490	CARTRIDGE SEAL KIT FOR GX5 PWM #8
54488	CARTRIDGE SEAL KIT FOR GX5 PWM #5
54487	CARTRIDGE SEAL KIT FOR GX5 PWM #4
54489	CARTRIDGE SEAL KIT FOR GX5 PWM #6
55095	MOTOR SEAL KIT
54562	O'RING (BETWEEN MOTOR & PWM - QTY 2)



GX5 LFP120 PUMP BREAK DOWN



LFP120 - 3 DIAPHRAGMS

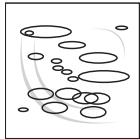
FERTILIZER FLOW (GPM)	HYDRAULIC OIL FLOW (GPM)
10	3.0
15	4.5
20	6.1
25	7.6
BASED ON A 30FT TOOL BAR	



2154700 Air chamber decal

Pos	Code	Description	Qty	Note
1	3460010	Pump body	1	
2	3460100	Foot	2	Cataphoresis
3	160672	Screw TE M10x25	4	Geomet T265*
	160673	Screw TE M10x25	4	SS T265* LFP
	740290	O-ring Ø 14x1.78	1	
5	880530	Plug 3/8" G	1	T180*
6	720030	O-ring Ø 22.22x2.62	1	
7	3120240	Tank	1	T180*
8	650920	O-ring Ø 53.65x2.62	1	
9	1040326	Plug black	1	AR 120bp
	1040324	Plug red	1	AR 140bp
10	3460030	Line	4	
11	2680140	O-ring Ø 32.93x3.53	24	
	2680141	O-ring Ø 32.93x3.53	24	Viton LFP
12	3460050	Line suction	1	
13	3460200	Screw TE M8x100	12	Geomet T105*
	3460201	Screw TE M8x100	12	SS T105* LFP
14	390314	Washer	24	Geomet
	390315	Washer	24	SS LFP
15	3460210	Fork	13	
16	3460040	Line	3	
17	390290	O-ring Ø 29x3	1	
	1880460	O-ring Ø 29x3	1	Viton LFP
18	750670	Ring nut 1 1/2" G	1	
19	50267	Elbow 1 1/2"	1	
20	750071	Screw TE M12x70	12	Geomet T310*
	750072	Screw TE M12x70	12	SS T310* LFP
21	390090	Washer	12	Geomet
	390092	Washer	12	SS LFP
22	3460020	Head	3	
23	3240290	Shield	2	
24	320621	Washer	4	Geomet
	320622	Washer	4	SS LFP
25	820673	Screw TCEI M10x16	4	Geomet T90*
	820672	Screw TCEI M10x16	4	SS T90* LFP
26	3460240	Gasket	6	
	3460380	Gasket	6	Viton LFP
27	3120511	Nut M8	12	Geomet
	3120510	Nut M8	12	SS LFP
28	2429050	Valve	6	
	2429051	Valve AISI 316L	6	LFP
29	380080	Ring circlip Øi 14	6	
30	380300	Pin	3	
31	3460090	Ring connecting rod	2	
32	3460080	Connecting-rod	3	
33	580120	Piston Ø 80	3	
34	500260	Piston ring	3	
35	750117	Sleeve	3	AR 120bp
	750110	Sleeve	3	AR 140bp
36	550080	Diaphragm	3	NBR
	550081	Diaphragm	3	BlueFlex
	550084	Diaphragm	3	Viton
	550085	Diaphragm	3	Desmopan
	550086	Diaphragm	3	HPDS
	2240100	Hub pin	3	T265* (a)
37	2240101	Hub pin	3	T265* LFP
	580090	Wobble plate	3	
39	2240110	Nut M10 SS	3	T220*
	2240670	Nut M10 AISI 316L	3	T220* LFP

34739 LFP120 O-RING KIT			
Pos.	Qty	Pos.	Qty
4	1	44	1
6	1	52	2
8	1	59	1
11	24	61	1
17	1	81	1
41	1		



31326	OIL QUART (32oz)
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CRANKCASE OIL CAPACITY 28 oz.


Pos	Code	Description	Qty	Note
40	3460031	Line	2	
41	1140450	O-ring Ø 20.24x2.62	1	
	1140451	O-ring Ø 20.24x2.62	1	Viton LFP
42	3460220	Plug 1/2" G	1	T90*
43	3460060	Line manifold	1	
44	550040	O-ring Ø 26.62x2.62	1	
	880311	O-ring Ø 26.62x2.62	1	Viton LFP
45	651100	Ring nut 1" 1/4 G	1	
46	651460	Elbow 1"	1	
48	3460070	Line	1	
49	621781	Screw TE M8x40	6	Geomet T180*
	621782	Screw TE M8x40	6	SS T180* LFP
51	380242	Nut M8	6	Geomet T180*
	3120260	Nut M8	6	
52	550040	O-ring Ø 26.62x2.62	2	
53	880311	O-ring Ø 26.62x2.62	2	Viton LFP
	3460190	Semi air chamber upper	1	Nylon
54	800190	Diaphragm air chamber	1	NBR
	800192	Diaphragm air chamber	1	BlueFlex
55	3460180	Semi air chamber lower	1	Nylon
56	180020	Air valve	1	T220*
57	550460	Elbow Ø 18	1	
58	550450	Ring nut 3/4" G	1	
59	880831	O-ring Ø 15.54x2.62	1	Viton
60	1609000	Safety valve	1	290 PSI (b)
61	180101	O-ring Ø 17.5x2	1	
	180102	O-ring Ø 17.5x2	1	Viton LFP
62	3460320	Fitting 1/2" G M-F	1	activator
63	1505	Air chamber	1	NBR
	43067	Air chamber	1	BlueFlex
64	3460110	Bearing	1	
65	1300230	Ring seal	1	
66	480900	Ring circlip Øi 35	1	
67	3460160	Shaft marked DT	1	AR 120bp / LFP C
	3460170	Shaft marked DQ	1	AR 140bp / LFP C
69	3460250	Shaft marked DU	1	AR 120bp / LFP SP
	3460260	Shaft marked DV	1	AR 140bp / LFP SP
70	961781	Bearing	1	
71	3120160	Ring seal	1	
72	961790	Ring circlip Øi 68	1	
73	650542	Gasket	1	
74	650250	Key	1	
75	650300	Coupling	1	
76	961340	Washer	1	
77	680350	Screw TCEI M8x35	1	T90*
78	1200521	Spacer	3	
79	380241	Washer	3	
	392110	Washer	3	SS LFP
80	680350	Screw TCEI M8x35	3	T90*
	680351	Screw TCEI M8x35	3	SS T90* LFP
81	651350	Gasket	1	
82	3469002	Complete Inlet assembly	1	AR120bp


(a) Screw Shank piston side with Loxeal 83-21 Strong threadlock (Green) and lubricate the shank side plate with Molykote grease 1000.

(b) Screw the valve until it bottoms on the elbow.

(c) Attention! Assemble with grease PGS4 between the plate and the membrane.

* Torque: in-lbs +/- 10%

55575	LFP120 VALVE KIT
	
Pos.	Qty
26	6
28	6

55572	LFP120 BLUE FLEX DIAPHRAGM KIT
55574	LFP120 VITON DIAPHRAGM KIT
	
Pos.	Qty
26	6
36	3
52	2
54	1

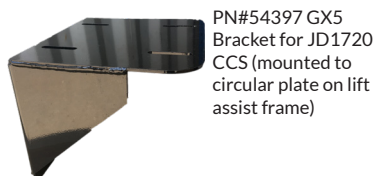
GX5 D160 COMPONENTS		
PN#	DESCRIPTION	
A	53692	GX5BASEMOUNT
	53693	GX5BASEBOXPLATE
	56181	GX5BASEBOX SLOTTED PLATE
	56299	GX5SPIKEVALVEEXTDBKT
B	38387	GX5 EATON ORBIT (MOTOR ONLY)
	53930	GX5PWMHYDVALVE 10 (PWM ONLY)
	53931	GX5 PWM HYD VALVE W/ MOTOR KIT
C	37707	LFP160 PUMP ONLY (5 - 35 GPM)
	27486	D160 PUMP ONLY (5 - 35 GPM)
D	31287	HYD FLANGE KIT FOR D160/D250
E	19848	1/4 BLEEDER VALVE
F	33132	1" WORM SCREW CLAMP (7 REQ'D)
	50016	3/4" EPDM GASKET (7 REQ'D)
G	51383	2" MANIFOLD X 90 DEGREE BARB
H	51333	1" FLANGED ELBOW
I	51344	1" PLUG WITH 1/4" FPT
	32361	1/4" HEX PLUG
J	51347	1" FLANGED TEE
K	51366	2" PORT x 1" FLANGED TEE
L	53629	100 PSI PRESSURE RELIEF VALVE

PN#	DESCRIPTION	
M	38267	2" WORM SCREW CLAMP
	38269	2" FLANGE GASKET
N	30230	2" T-BOLT CLAMP (2 REQ'D)
	38424	2" SPIRAL HOSE (@ 2 FT)
O	55730	1 1/2" HIGH PRESSURE HOSE
	52198	1 1/2" PRESSURE SEAL CLAMP
P	51347	1" MANIFOLD FLANGED TEE
Q	39456	3/4" RELIEF VALVE
R "OUT"	55795	ELBOW 1 1/2" D160
	55761	RING NUT (LFP160 & D160)
	29232	O RING FOR D160
	55915	O RING FOR LFP160 VITON
	29141	ELBOW 1 1/2" LFP160
S "IN"	32206	ELBOW 2" (LFP160 & D160)
	32701	RING NUT (LFP160 & D160)
	33136	O RING FOR D160 (2 REQ'D)
	56625	O RING FOR LFP160 (2 REQ'D) VITON

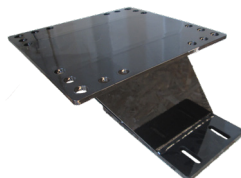


PN#54898 Universal mounting bracket

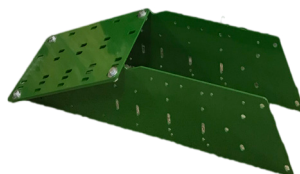
PN#54586 CASE IH/JD bracket to mount the GX5 on the draw bar (Bracket can fit draw bars 8" to 10" wide)



PN#54397 GX5 Bracket for JD1720 CCS (mounted to circular plate on lift assist frame)

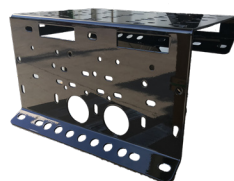


PN#53678 GX5 bracket for JD planter front fold for 12 & 16 row planters - will NOT fit DB models.



OPTIONAL MOUNTING GX5 MOUNTING BRACKETS

PN#53957 GX5 Bracket assembly for JD 1770 NT front fold 24 row planter - will NOT fit DB models.

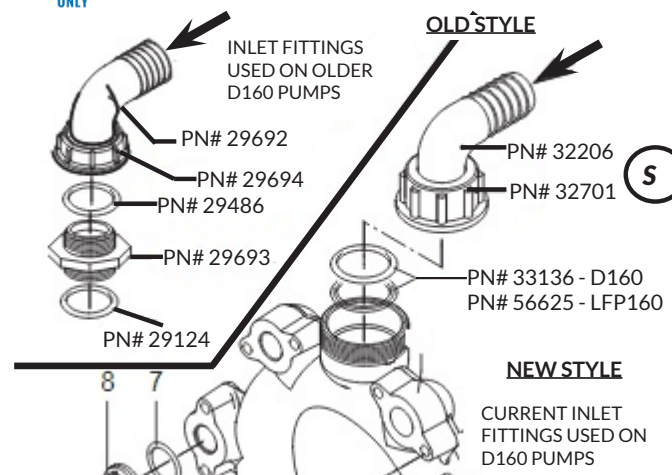


PN#53968 GX5 Bracket for on the rear lift assist wheels on JD1790 planter.



INFORMATION ONLY

INLET STYLE ONLY: Manufacturer had changed the inlet style a few years ago. Please take note which style you have when ordering replacement parts.

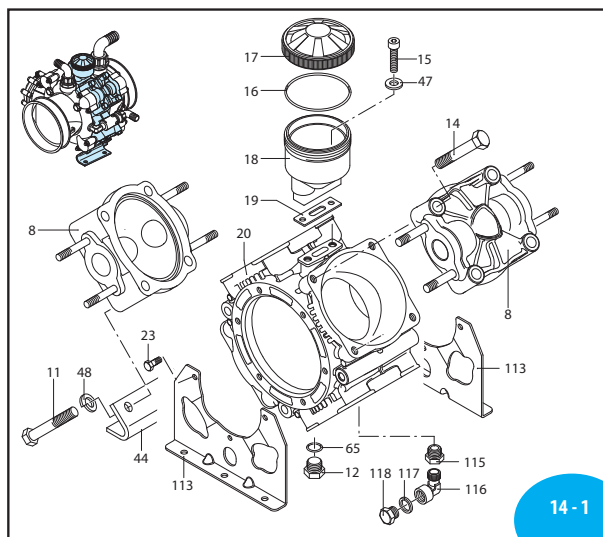




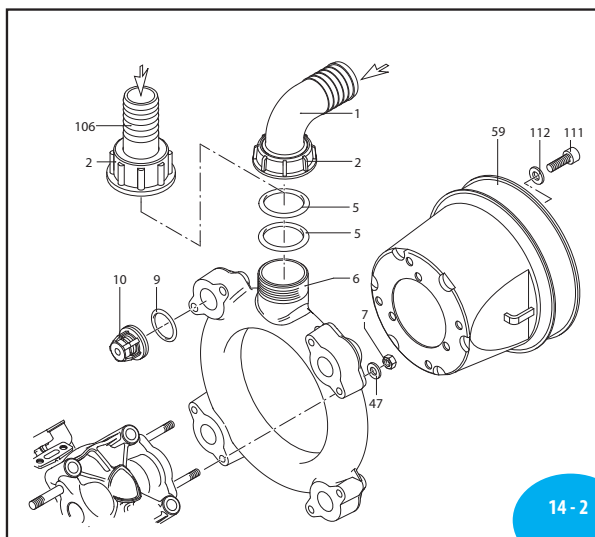
A

A close-up photograph of a hydraulic cylinder assembly. The main body is black, and the mounting bracket is silver. Various components are labeled with letters: A points to the top cap screw, B to the top cap seal, C to the top cap nut, D to the top cap O-ring, E to the top cap pin, F to the top cap pin nut, G to the top cap pin washer, H to the top cap pin lock washer, I to the top cap pin lock nut, and J to the top cap pin lock washer. The bottom cap is also visible, with labels K through S pointing to its various components. A label on the side of the cylinder reads "HYDRAULIC CYLINDER" and "1000 PSI".

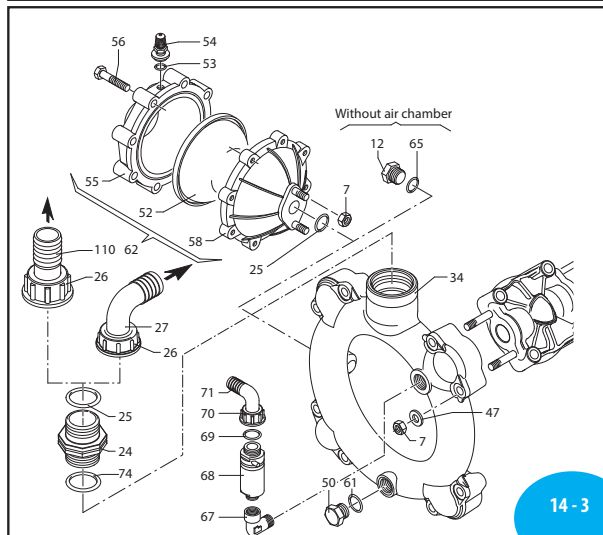


GX5 D160 PUMP BREAK DOWN

14 - 1



14 - 2

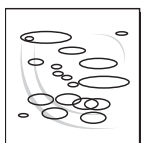


Pos	Code	Description	Qty	Note
1	3040430	Elbow 1 1/2"	1	AR 160 bp
	3040440	Elbow 2"	1	AR 185 bp
2	3040450	Ring nut 2" G	1	
5	3040470	O-ring Ø 39.3x2.6	2	
6	760750	Line suction	1	
7	380242	Nut M8	18	Geomet T180*
8	751350	Head black plasticized	4	
9	680070	O-ring Ø 31.5x4.25	8	
10	759051	Valve	8	
11	750071	Screw TE M12x70	4	Geomet T445*
12	880530	Plug 3/8" G	2	T180*
13	750110	Sleeve	4	AR 160 bp
	750115	Sleeve	4	AR 185 bp
14	750061	Screw TE M12x65	16	Geomet T445*
15	680350	Screw TCEI M8x35	2	T90*
16	1040060	O-ring Ø 72.69x2.62	1	
17	1800060	Plug black	1	AR 160 bp
	750050	Plug red	1	AR 185 bp
18	750030	Tank	1	
19	750040	Gasket	1	
20	761010	Pump body	1	
21	851360	O-ring Ø 120.32x2.62	1	
22	680020	Support	1	
23	160672	Screw TE M10x25	6	Geomet T310*
24	751130	Fitting 1 1/2 G M-M	1	
25	390290	O-ring Ø 29x3	2	
26	750670	Ring nut 1 1/2" G	1	
27	760930	Elbow 1"	1	AR 160 bp
	751200	Elbow 1 1/4"	1	AR 185 bp
28	2420181	Support	1	
29	650640	Screw TCEI M10x25	6	Geomet T310*
	550081	Diaphragm	4	BlueFlex
	550080	Diaphragm	4	NBR
	550084	Diaphragm	4	Viton
	550085	Diaphragm	4	Desmopan
	550086	Diaphragm	4	HPDS
32	500260	Piston ring	4	
33	750122	Piston Ø 80	4	
34	760760	Line manifold	1	
35	160700	Pin	4	
36	160691	Ring circlip Øi 18	8	
37	760140	Connecting-rod	4	
38	750090	Bearing	2	
39	750130	Ring connecting rod	2	
40	540040	Plate	2	
41	230350	Bearing	2	
42	160740	Ring seal	2	
43	200390	Ring circlip Øi 62	2	
44	760201	Foot	2	
45	750170	Shaft marked AU	1	AR 160 bp C/C
	750174	Shaft marked AV	1	AR 185 bp C/C
47	380243	Washer	18	Geomet

Pos	Code	Description	Qty	Note
48	250143	Washer	4	Geomet
50	330173	Plug 1/2" G	1	Geomet T180*
	550194	Diaphragm air chamber	1	Blueflex
	550190	Diaphragm air chamber	1	NBR
	550191	Diaphragm air chamber	1	Saturflon
	550192	Diaphragm air chamber	1	Viton
	550193	Diaphragm air chamber	1	HPDS
53	650542	Gasket	1	
54	180020	Air valve	1	T25*
55	620232	Semi air chamber upper	1	Black
56	621781	Screw TE M8x40	8	Geomet T180*
58	680180	Semi air chamber lower	1	
59	1500470	Shield	2	
60	850251	Screw TCEI M8x12	3	Geomet T180*
61	180101	O-ring Ø 17.5x2	1	
62	629230	Air chamber BlueFlex™	1	
	629216	Air chamber NBR	1	
65	740290	O-ring Ø 14x1.78	2	
67	881560	Fitting 1/2" G M-F	1	
68	1609000	Safety valve	1	290 PSI
69	880831	O-ring Ø 15.54x2.62	1	Viton
70	550450	Ring nut 3/4" G	1	
71	550460	Elbow Ø 18	1	
72	390314	Washer	3	Geomet
74	751140	O-ring Ø 47.22x3.53	1	
78	620330	Ring circlip Øi 65	1	
79	1800090	Ring seal	1	
80	230310	Bearing	1	
81	760510	Plate	1	
103	2240100	Hub pin	4	T265*
104	2240110	Nut M10 SS	4	T220*
105	751250	Wobble plate	4	
106	760950	Hose tail Ø 40	1	Optional AR 160 bp
	760570	Hose tail Ø 50	1	Optional AR 185 bp
110	760920	Hose tail Ø 25	1	Optional AR 160 bp
	760940	Hose tail Ø 35	1	Optional AR 185 bp
111	820673	Screw TCEI M10X16	3	Geomet
112	320621	Washer	3	Geomet
113	761031	Foot	2	
115	1040491	Fitting 3/8" G M-F	1	
116	900210	Fitting 3/8" G M-F	1	
117	2260200	Washer	1	
118	2281270	Plug 3/8" G	1	T180*
119	1300280	Spacer	3	
120	760360	Guard	1	
121	320621	Washer	3	Geomet
122	650640	Screw TCEI M10x25	3	Geomet T90*

* Torque: in-lbs +/- 10%

29905		D160 O'RING KIT	
Pos.	Qty	Pos.	Qty
5	2	61	1
9	8	65	2
16	1	69	1
21	1	74	1
25	2		
53	1		



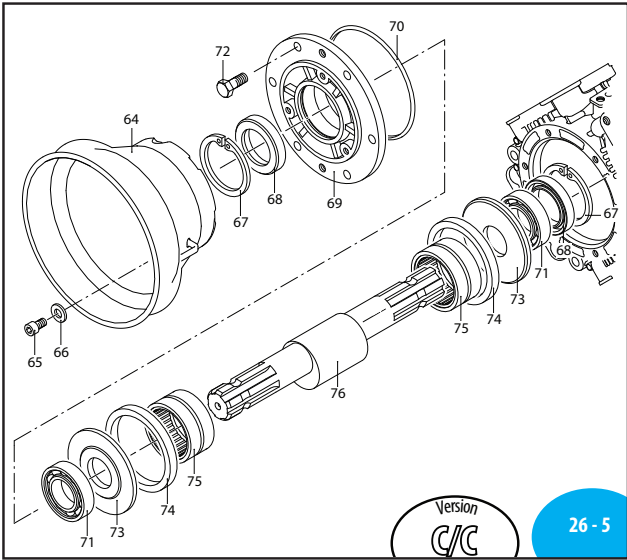
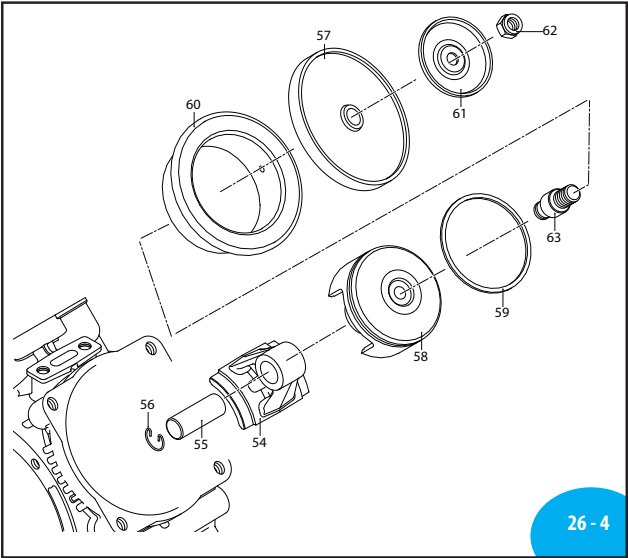
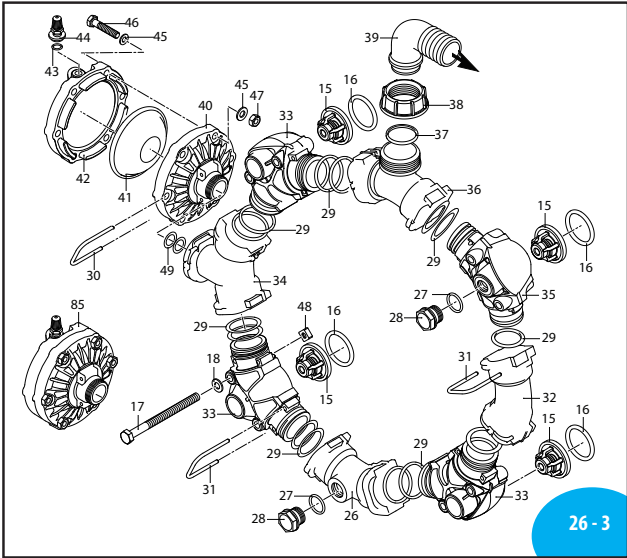
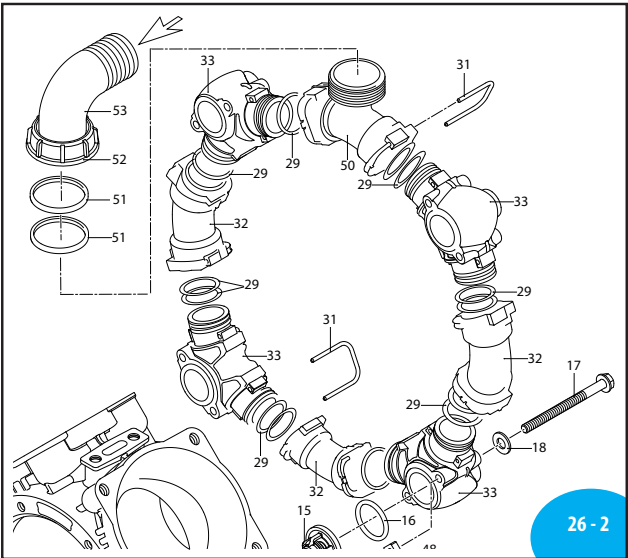
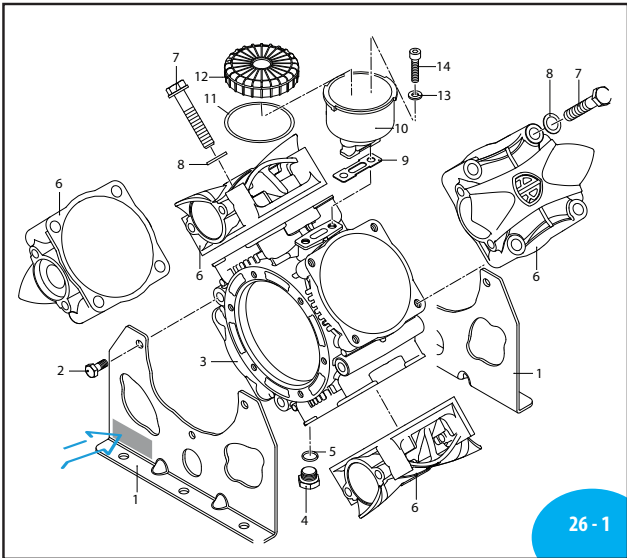
2154700 Air chamber decal

37730		D160 BLUEFLEX DIAPHRAGM KIT	
		Pos.	Qty
		9	8
		30	4
		52	1

29937		D160 VALVE KIT	
		Pos.	Qty
		9	8
		10	8



GX5 LFP160 PUMP BREAK DOWN



LFP/D160 - 4 DIAPHRAGMS	
FERTILIZER FLOW (GPM)	HYDRAULIC OIL FLOW (GPM)
10	3.0
20	6.0
30	9.1
35	10.6
BASED ON A 30FT TOOL BAR	



2154700 Air chamber decal

Pos	Code	Description	Qty	Note
1	761031	Foot	2	
2	160673	Screw TE M10x25	6	SS T354*
3	761010	Pump body	1	
4	880530	Plug 3/8" G	1	T177*
5	740290	O-ring Ø 14x1.78	1	
6	3460020	Head	4	
7	750072	Screw TE M12x70	16	SS T309*
8	390092	Washer	16	SS
9	750040	Gasket	1	
10	751170	Tank	1	
11	1980340	O-ring Ø 83.8x2.62	1	
12	751183	Cap Red	1	
13	380243	Washer	2	
14	680350	Screw TCEI M8x35	2	T88*
15	2429051	Valve AISI 316L	8	
16	3460380	Gasket	8	Viton
17	3460201	Screw TE M8x100	16	SS T88*
18	390315	Washer	16	SS
26	761240	Manifold section	1	
27	1150641	O-ring Ø 20x24x2.62	2	Viton
28	3460490	Plug 1/2" G	2	T88*
29	230061	O-ring Ø 34.52x3.53	32	Viton
30	3460210	Fork	1	
31	761250	Fork	16	
32	761200	Manifold section	4	
33	761190	Manifold section	7	
34	761230	Manifold section air chamber	1	
35	761191	Manifold section SRV port	1	
36	761220	Manifold section discharge 1-1/2" G	1	
37	1880460	O-ring Ø 29x3	1	Viton
38	750670	Ring nut 1-1/2" G	1	
39	3040160	Elbow Ø 35	1	
40	3460180	Semi air chamber lower	1	Nylon
41	800192	Diaphragm air chamber	1	BlueFlex™
42	3460190	Semi air chamber upper	1	Nylon
43	650542	Gasket	1	
44	180020	Air valve	1	T22*
45	390315	Washer	12	SS
46	621782	Screw TE M8x40	6	SS T177*
47	3120260	Nut M8	6	SS T177*
48	3120510	Nut framework M8	16	SS
49	880311	O-ring Ø 26.65x2.62	2	Viton
50	761210	Manifold section inlet 2" G	1	
51	3040471	O-ring Ø 39.34x2.62	2	Viton
52	3040450	Ring nut 2" G	1	
53	3040440	Elbow Ø 50	1	
54	760140	Connecting-rod	4	
55	160700	Pin	4	
56	160691	Ring Øi 18	8	
57	550081	Diaphragm	4	BlueFlex™
58	750122	Piston Ø 80	4	
59	500260	Piston ring	4	

Pos	Code	Description	Qty	Note
60	750115	Sleeve	4	AR160LFP
61	751251	Wobble plate	4	
62	2240670	Nut M10 AISI 316L	4	T221*
63	2240101	Hub pin AISI 316L	4	(a) T265*
64	1500470	Shaft protection	1	
65	850252	Screw TCEI M8x12	3	SS T88*
66	390315	Washer	3	SS
67	200390	Ring Øi 62	2	
68	160740	Ring seal	2	
69	680020	Support	1	
70	851360	O-ring Ø 120.32x2.62	1	
71	230350	Bearing	1	
72	160673	Screw TE M10x25	6	SS T309*
73	540040	Plate	2	
74	750130	Ring piston rod	2	
75	750090	Bearing	2	
76	750174	Shaft C/C m-AV	1	AR160LFP
85	43067	Air chamber LFP BlueFlex™	1	

(a) Screw Shank piston side with Loxeal 83-21 Strong threadlock (Green) and lubricate the shank side plate with Molykote grease 1000.

* Torque: in-lbs +/- 10%

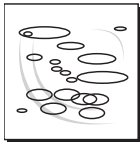
Diaphragm Pump Oil


Specifically formulated for GX5 Diaphragm pumps.


- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil

31326 OIL QUART (32oz)

CRANKCASE OIL CAPACITY 56 oz.

56155	LFP160 O'RING KIT			
Pos.	Qty	Pos.	Qty	
5	2	61	1	
9	8	65	2	
16	1	69	1	
21	1	74	1	
25	2			
53	1			

37730	LFP160 BLUEFLEX DIAPHRAGM KIT			
	Pos.	Qty		
	9	8		
	30	4		
	52	1		

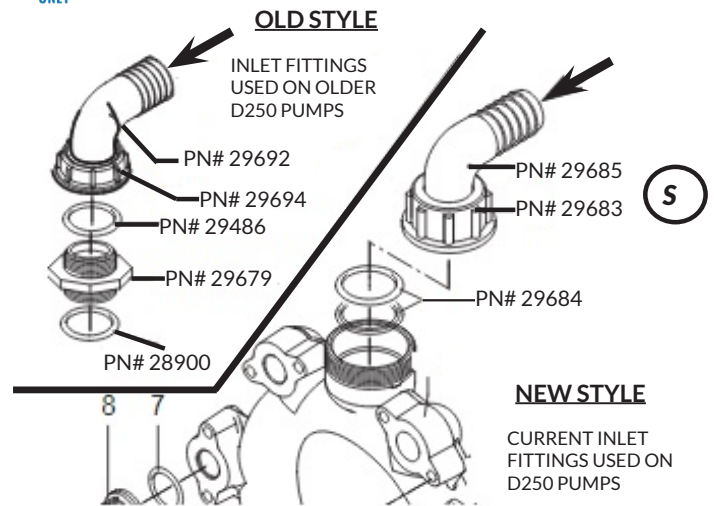
56154	LFP160 VALVE KIT			
	Pos.	Qty		
	15	8		
	16	8		

GX5 D250 COMPONENTS		
PN#		DESCRIPTION
A	53692	GX5BASEMOUNT
	53693	GX5BASEBOXPLATE
	56181	GX5BASEBOX SLOTTED PLATE
	56299	GX5SPIKEVALVEEXTDBKT
B	38387	GX5 EATON ORBIT (MOTOR ONLY)
	53930	GX5PWMHYDVALVE 10 (PWM ONLY)
	53931	GX5 PWM HYD VALVE W/ MOTOR KIT
C	27487	D250 PUMP ONLY (5 - 55 GPM)
D	31287	HYD FLANGE KIT FOR D160/D250
E	19848	1/4 BLEEDER VALVE
F	33132	1" WORM SCREW CLAMP (7 REQ'D)
	50016	3/4" EPDM GASKET (7 REQ'D)
G	51383	2" MANIFOLD X 90 DEGREE BARB
H	51333	1" FLANGED ELBOW
I	51344	1" PLUG WITH 1/4" FPT
	32361	1/4" HEX PLUG
J	51347	1" FLANGED TEE
K	51366	2" PORT x 1" FLANGED TEE
L	53629	100 PSI PRESSURE RELIEF VALVE

PN#		DESCRIPTION
M	38267	2" WORM SCREW CLAMP
	38269	2" FLANGE GASKET
N	30230	2" T-BOLT CLAMP (2 REQ'D)
	38424	2" SPIRAL HOSE (@ 1 FT)
O	55730	1 1/2" HIGH PRESSURE HOSE
	52198	1 1/2 PRESSURE SEAL CLAMP
P	51347	1" MANIFOLD FLANGED TEE
Q	39456	3/4" RELIEF VALVE
R "OUT"	55795	ELBOW 1 1/2
	55761	RING NUT
	29232	O RING FOR D250
S "IN"	29685	ELBOW 2"
	29683	RING NUT
	29684	O RING FOR D250 (2 REQ'D)

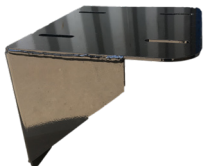


INLET STYLE ONLY: Manufacturer had changed the inlet style a few years ago. Please take note which style you have when ordering replacement parts.

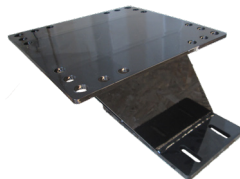


PN#54898 Universal mounting bracket

PN#54586 CASE IH/JD bracket to mount the GX5 on the draw bar (Bracket can fit draw bars 8" to 10" wide)



PN#54397 GX5 Bracket for JD1720 CCS (mounted to circular plate on lift assist frame)

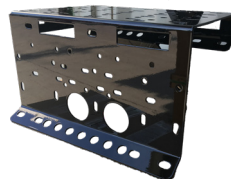


OPTIONAL MOUNTING GX5 MOUNTING BRACKETS



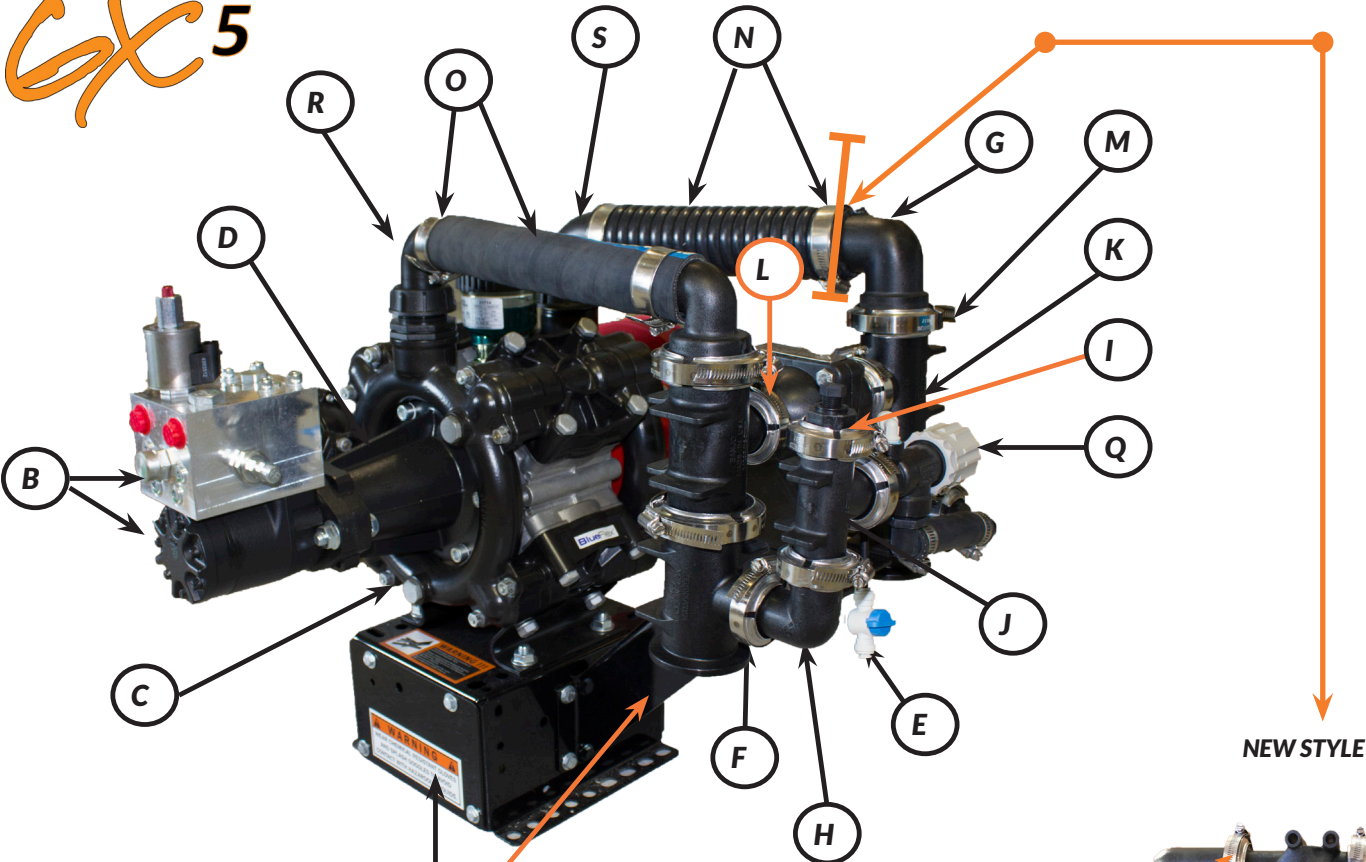
PN#53678 GX5 bracket for JD planter front fold for 12 & 16 row planters - will NOT fit DB models.

PN#53968 GX5 Bracket for on the rear lift assist wheels on JD1790 planter.



PN#53957 GX5 Bracket assembly for JD 1770 NT front fold 24 row planter - will NOT fit DB models.



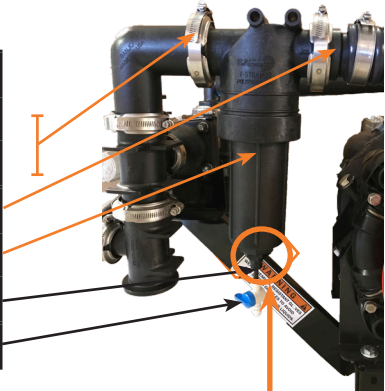


NEW STYLE

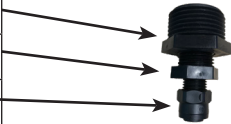
New plumbing design places 50 mesh filter in-line before pump for filtration prior to entry into pump itself.

Older style required proper use of the tank to pump kit that was included in every system sold, filtering between the tank and complete system inlet.

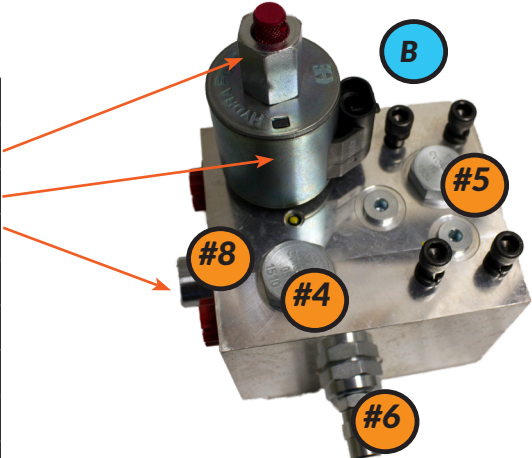
PUMP INLET FILTER OPTION	
38269	2" FLANGE GASKET (2 REQ'D)
38267	2" FLANGE CLAMP (2 REQ'D)
51381	2" BARB
51850	T-STRAINER FILTER 50 MESH
19920	1/4" TUBING
19848	1/4" SHUT OFF



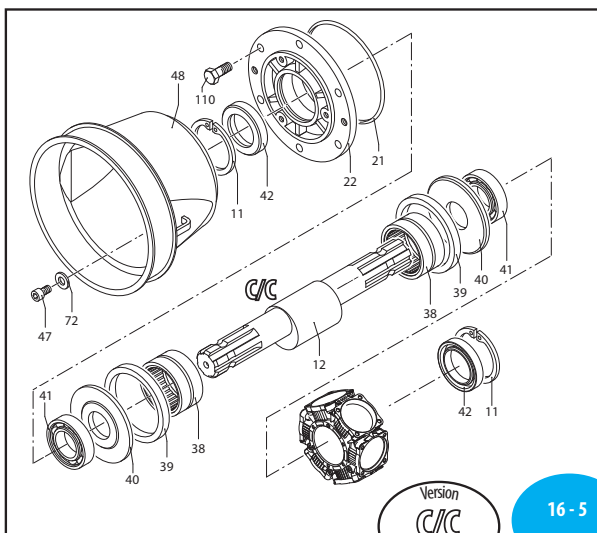
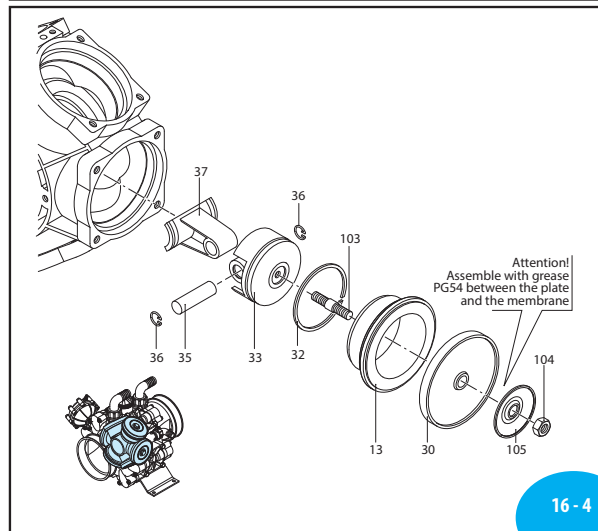
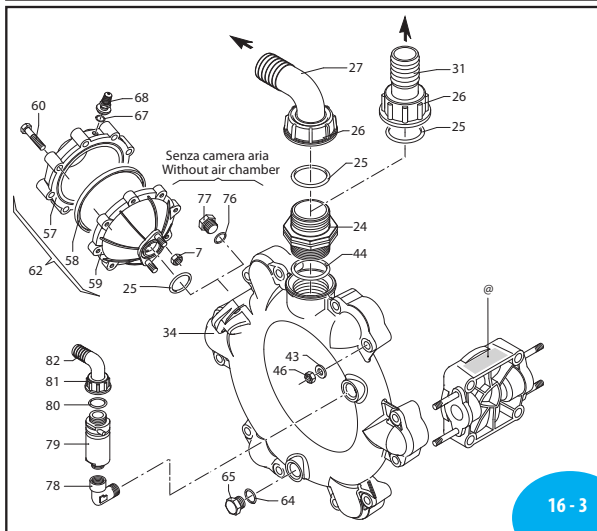
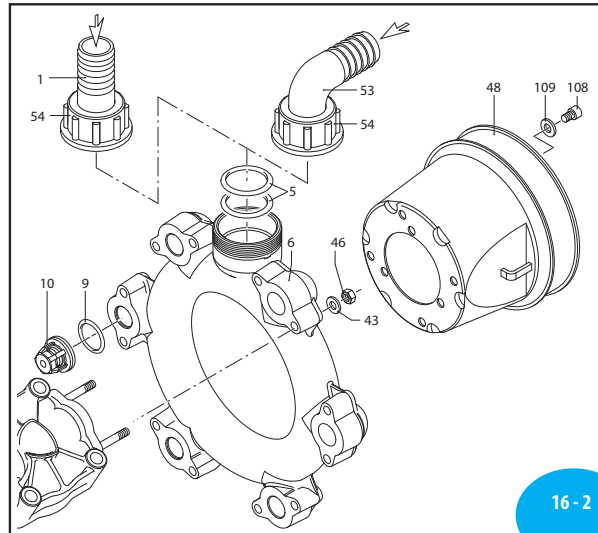
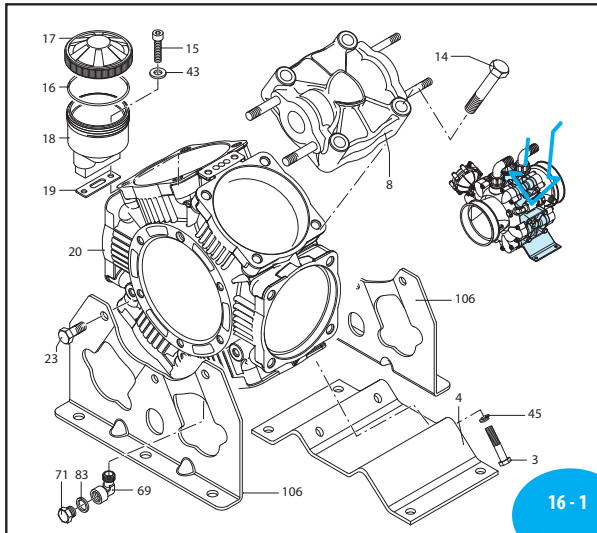
BOTTOM OF FILTER	
32423	1" REDUCER 1/2"
32426	1/2" REDUCER 1/4"
263	1/4" QC TO 1/4 M NPT



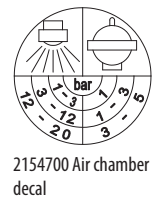
PN#	DESCRIPTION
55493	GX5MANUALOVERRIDEVALVE
55165	GX5PWMSOLENOID
54472	160 PSI HYD CARTRIDGE
54490	CARTRIDGE SEAL KIT FOR GX5 PWM #8
54488	CARTRIDGE SEAL KIT FOR GX5 PWM #5
54487	CARTRIDGE SEAL KIT FOR GX5 PWM #4
54489	CARTRIDGE SEAL KIT FOR GX5 PWM #6
55095	MOTOR SEAL KIT
54562	O'RING (BETWEEN MOTOR & PWM - QTY 2)



GX5 D250 PUMP BREAK DOWN



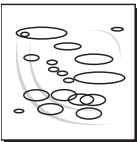
D250 - 6 DIAPHRAGMS	
FERTILIZER FLOW (GPM)	HYDRAULIC OIL FLOW (GPM)
20	3.8
30	5.7
40	7.7
50	9.6
55	10.5
BASED ON A 30FT TOOL BAR	



Pos	Code	Description	Qty	Note
1	750870	Hose tail 2"	1	Optional
	750730	Hose tail Ø 60	1	Optional
3	750071	Screw TE M12x70	4	Geomet T445*
4	750200	Foot	1	
5	750740	O-ring Ø 56.74x3.53	2	
6	751070	Line suction	1	
7	380242	Nut M8	2	Geomet T220*
8	751350	Head black plasticized	6	
9	680070	O-ring Ø 31.5x4.25	12	
10	759051	Valve	12	
11	200390	Ring circlip Øi 62	2	
12	750176	Shaft marked AZ	1	AR 215 bp C/C
	750170	Shaft marked AU	1	AR 250 bp C/C
	750174	Shaft marked AV	1	AR 280 bp C/C
13	750117	Sleeve	6	AR 215 bp C/C
	750110	Sleeve	6	AR 250 bp C/C
	750115	Sleeve	6	AR 280 bp C/C
14	750061	Screw TE M12x65	24	Geomet T445*
15	680350	Screw TCEI M8x35	2	T90*
16	1040060	O-ring Ø 72.69x2.62	1	
17	750051	Plug green	1	AR 215 bp
	1800060	Plug black	1	AR 250 bp
	750050	Plug red	1	AR 280 bp
18	750030	Tank	1	
19	750040	Gasket	1	
20	751300	Pump body	1	
21	851360	O-ring Ø 120.32x2.62	1	
22	680020	Support	1	
23	160672	Screw TE M10x25	6	Geomet T355*
24	751130	Fitting 1"1/2 G M-M	1	T90*
25	390290	O-ring Ø 29x3	2	
26	750670	Ring nut 1 1/2" G	1	
27	750660	Elbow 1 1/2"	1	
28	2420181	Support	1	
29	650640	Screw TCEI M10x25	6	Geomet T310*
	550081	Diaphragm	6	BlueFlex
	550080	Diaphragm	6	NBR
	550084	Diaphragm	6	Viton
	550085	Diaphragm	6	Desmopan
	550086	Diaphragm	6	HPDS
31	760940	Hose tail Ø 35	1	
32	500260	Piston ring	6	
33	750122	Piston Ø 80	6	
34	751080	Line manifold	1	
35	160700	Pin	6	
36	160691	Ring circlip Øi 18	12	
37	750140	Connecting-rod	6	
38	750090	Bearing	2	
39	750130	Ring connecting rod	2	
40	540040	Plate	2	
41	751280	Bearing	2	
42	160740	Ring seal	2	


Pos	Code	Description	Qty	Note
43	380243	Washer	26	Geomet
44	751140	O-ring Ø 47.22x3.53	1	
45	250143	Washer	4	Geomet
46	380242	Nut M8	24	Geomet T180*
47	850251	Screw TCEI M8x12	3	Geomet T90*
48	1500470	Shield	1	
53	750850	Elbow 2"	1	AR215bp-AR250bp
	750720	Elbow Ø 60	1	AR 280 bp
54	750710	Ring nut 2" 1/2 G	1	
57	620232	Semi air chamber upper	1	Black
	550194	Diaphragm air chamber	1	Blueflex
	550190	Diaphragm air chamber	1	NBR
	550192	Diaphragm air chamber	1	Viton
	550193	Diaphragm air chamber	1	HPDS
59	680180	Semi air chamber lower	1	
60	621781	Screw TE M8x40	8	Geomet T220*
62	629230	Air chamber BlueFlex*	1	
	629216	Air chamber NBR	1	
64	180101	O-ring Ø 17.5x2	1	
65	330173	Plug 1/2" G	1	Geomet T180*
67	650542	Gasket	1	
68	180020	Air valve	1	T25*
69	750370	Fitting 1/4" G M-F	1	
71	880581	Plug 1/4" G	1	T180*
72	390314	Washer	3	Geomet
76	740290	O-ring Ø 14x1.78	1	
77	880530	Plug 3/8" G	1	T180*
78	881560	Fitting 1/2" G M-F	1	
79	1609000	Safety valve	1	290 PSI
80	880831	O-ring Ø 15.54x2.62	1	Viton
81	550450	Ring nut 3/4" G	1	
82	550460	Elbow Ø 18	1	
83	880820	Washer	1	
84	620330	Ring circlip Øi 65	1	
85	1800090	Ring seal	1	
86	230310	Bearing	1	
87	760510	Plate	1	
103	2240100	Hub pin	6	T265*
104	2240110	Nut M10 SS	6	SS T220*
105	751250	Wobble plate	6	
106	751291	Foot	2	
108	820673	Screw TCEI M10x16	3	Geomet T90*
109	320621	Washer	3	Geomet
110	160672	Screw TE M10x25	6	Geomet T310*
111	1300280	Spacer	3	
112	760360	Guard	1	
113	320621	Washer	3	Geomet
114	650640	Screw TCEI M10x25	3	Geomet T90*

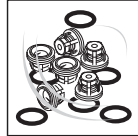
* Torque: in-lbs +/- 10%

29903	D250 O-RING KIT	Pos.	Qty
		5	2
		9	12
		16	1
		21	1
		25	2
		44	1
		64	1
		76	1
		80	2

31326	OIL QUART (32oz)
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CRANKCASE OIL CAPACITY 98 oz.

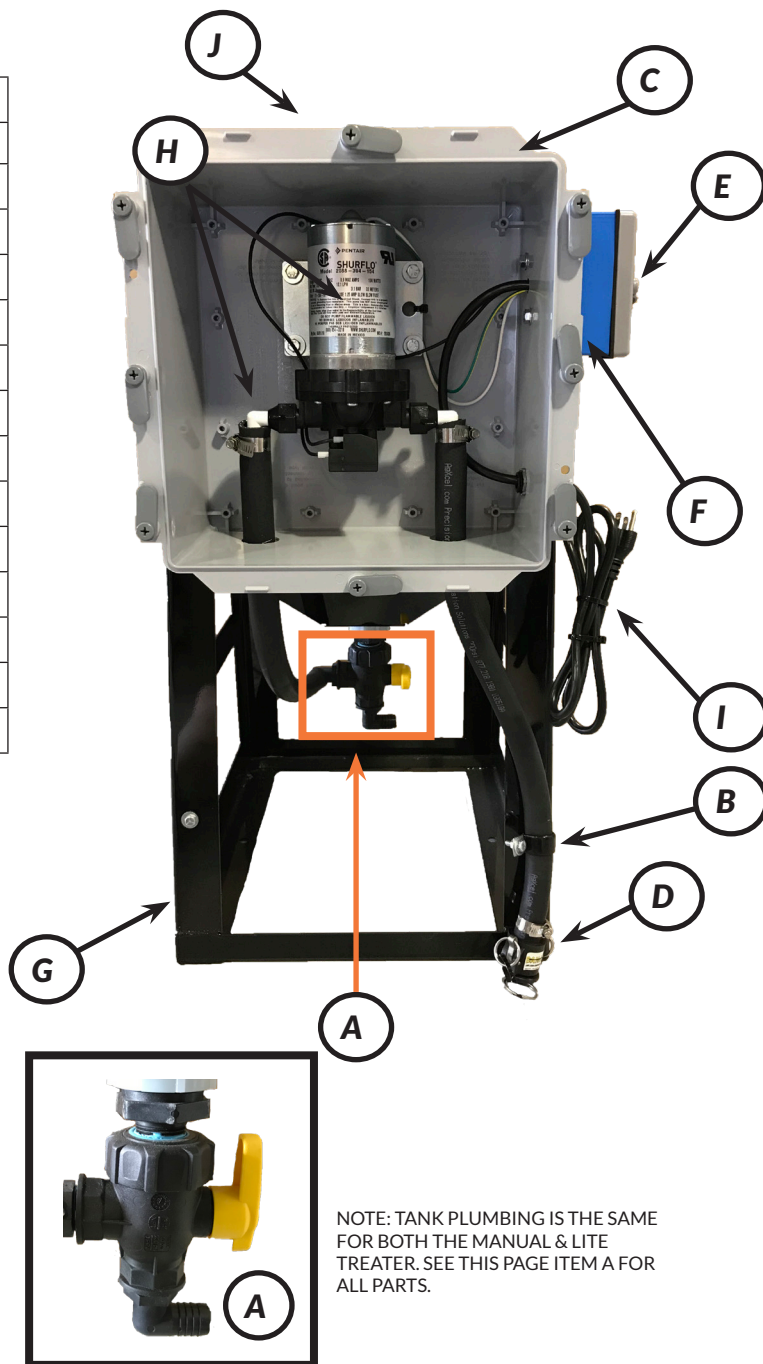
37732	D250 BLUEFLEX DIAPHRAGM KIT	Pos.	Qty
		9	12
		30	6
		58	1

29930	D250 VALVE KIT	Pos.	Qty
		9	12
		10	12








GX20 DRY MANUAL		
PN#		DESCRIPTION
A	37667	3/4 3 WAY BALL VALVE
	32331	3/4" BARB ELBOW X 3/4" NPT (2 REQ'D)
	52108	1-1/4 X 3/4 REDUCER
B	53866	3/4 VINYL CLAMP
C	55686	GX20 JUNCTION BOX 12 X 12 X 6
D	54583	3/4" CAM LOCK KIT
E	55688	SWITCH ON/OFF
F	55869	BLUE JUNCTION BOX
G	55718	BASEMANBKTSHORT_GX20DRY
H	20145	1/2" X 3/4" SWIVEL FITTING (2 REQ'D)
	37433	3.2GPM 115V GX20 DRY MAN PUMP
I	55452	POWER CABLE 6'
J	19874	15 GALLON TANK

PLUMBING	
308	3/4 BLK HOSE (PRE CUT IN 50FT)
19646	#12 CLAMPS



NOTE: TANK PLUMBING IS THE SAME FOR BOTH THE MANUAL & LITE TREATER. SEE THIS PAGE ITEM A FOR ALL PARTS.

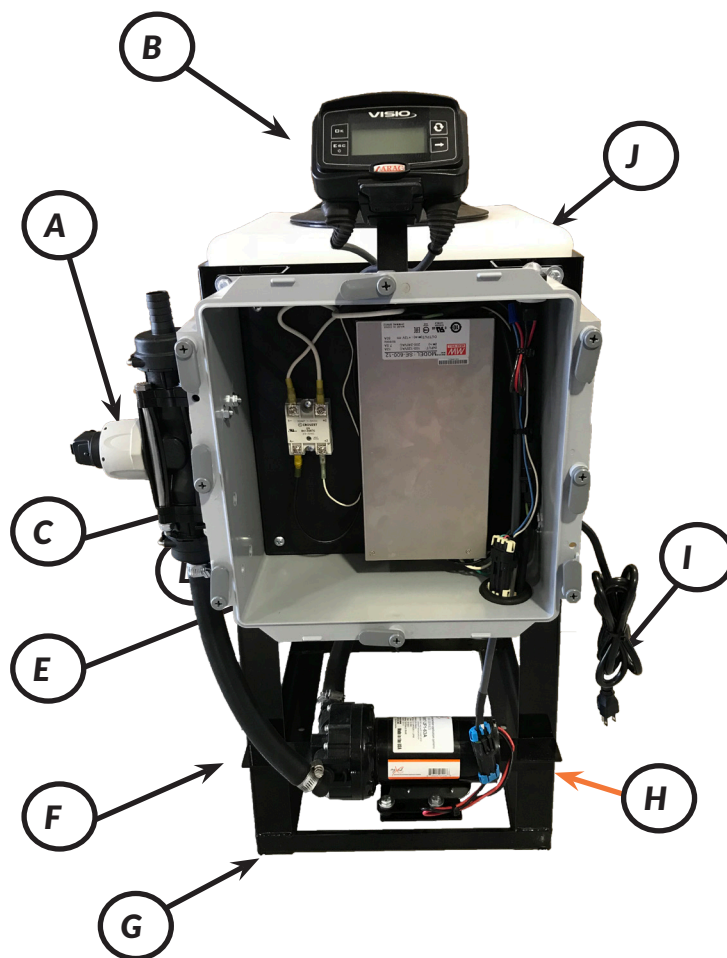


-  EASY TO USE CONTROLLER
-  SINGLE 3.0 GPM PUMP 110V
-  SIMPLE MANAGEMENT WITH A FLIP OF A SWITCH
-  PLUG RIGHT INTO AN OUTLET AND IT'S READY TO GO
-  EASY TO FILL 15 GALLON TANK BUT CAN ALSO BE TAPPED INTO A TOTE

MANUAL TREAT - PN# 55685
MANUAL TREAT W/TIMER - PN# 55819



GX20 DRY LITE		
PN#		DESCRIPTION
A	55909	GXL_F_WOLF FLOW KIT
	54650	T5 3/4" BARBED FITTING (2 REQ'D)
	54675	T5 VITON O RING
	54676	T5 FORK
B	55659	MULTIFUNCTION VISIO
C	55686	GX20 JUNCTION BOX 12 X 12 X 6
D	55714	RELAY
E	55416	POWER INVERTER
F	55853	GX20_PUMP_BRACKET
G	55718	BASEMANBKTSHORT_GX20DRY
H	17919	3/4" QC PUMP O RING ELBOW
	20002	5.3 GPM PUMP QC (STANDARD)
	55835	GX20 PUMP BRACKET
I	55452	POWER CABLE 6'
J	19874	15 GALLON TANK



PLUMBING	
308	3/4 BLK HOSE (PRECUT IN 50FT)
19646	#12 CLAMPS



LITE TREATER - PN# 55720



EASY TO USE CONTROLLER

- SET RATE IN TOTAL GALLONS TO APPLY
- PRESS START
- SYSTEM WILL RUN ITS COURSE AND STOP AUTOMATICALLY
- RED LED TO SHOW SYSTEM IS RUNNING BATCH



SINGLE 5.3 GPM PUMP



PLUG INTO A 120V OUTLET



CAN ACHIEVE UP TO 4 GPM



EASY TO FILL 15 GALLON TANK



GX20 CHEMICAL MIXER - PN# 55434

GX20 CHEMICAL MIXER
ADD ON PRODUCT - PN# 55520GX20 CIRCA LFP45
ADD ON PRODUCT - PN# 56477

GX20 CORE COMPONENTS		
PN#		DESCRIPTION
A	CUSTOM	See pg. 39 for flow meter options. Call for details*
B		See below for harness options Call for details.*
Interior components may vary depending on if it is a first product or add-on product box		
C	37746	GX20i_LARGE_ENCLOSURE
D	18022	PWM KIT
E	55416	POWER INVERTER
F	55512	GX20iPOWERPOST (2 REQ'D)
G	55646	GX20i_MODULEKIT
H	55501	LIGHTTOWER_GX20i
I	55495	GX20IMASTERON/OFF
J	55958	HANDLE FOR GX20i (NOT SHOWN)
K	17919	3/4" QC PUMP O RING ELBOW
	20002	5.3 GPM PUMP QC (STANDARD)
	20064	2.0 GPM PUMP QC
	20114	7.0 GPM FATBOY QC
PUMP(S) INCLUDED WILL DEPEND ON CALCULATED RATES		

PLUMBING	
19920	1/4" TUBING
308	3/4 BLK HOSE (PRECUT IN 50FT)
19646	#12 CLAMPS

B

PRODUCT HARNESSING

	PRODUCT 1	PRODUCT 2	PRODUCT 3
PWM BATTERY CABLE	PN# 601		
GX20 MAIN HARNESS P1	PN# 55652		
GX20 MAIN HARNESS P2		PN# 38328	
GXH20_HRN EXTENSION		PN# 55477	
GX20iPRODUCT2or3		PN# 55474	
GX20 MAIN HARNESS P3			PN# 55476
GXH20_HRN EXTENSION (2 REQ'D)			PN# 55477
GX20iPRODUCT2or3 (2 REQ'D)			PN# 55474

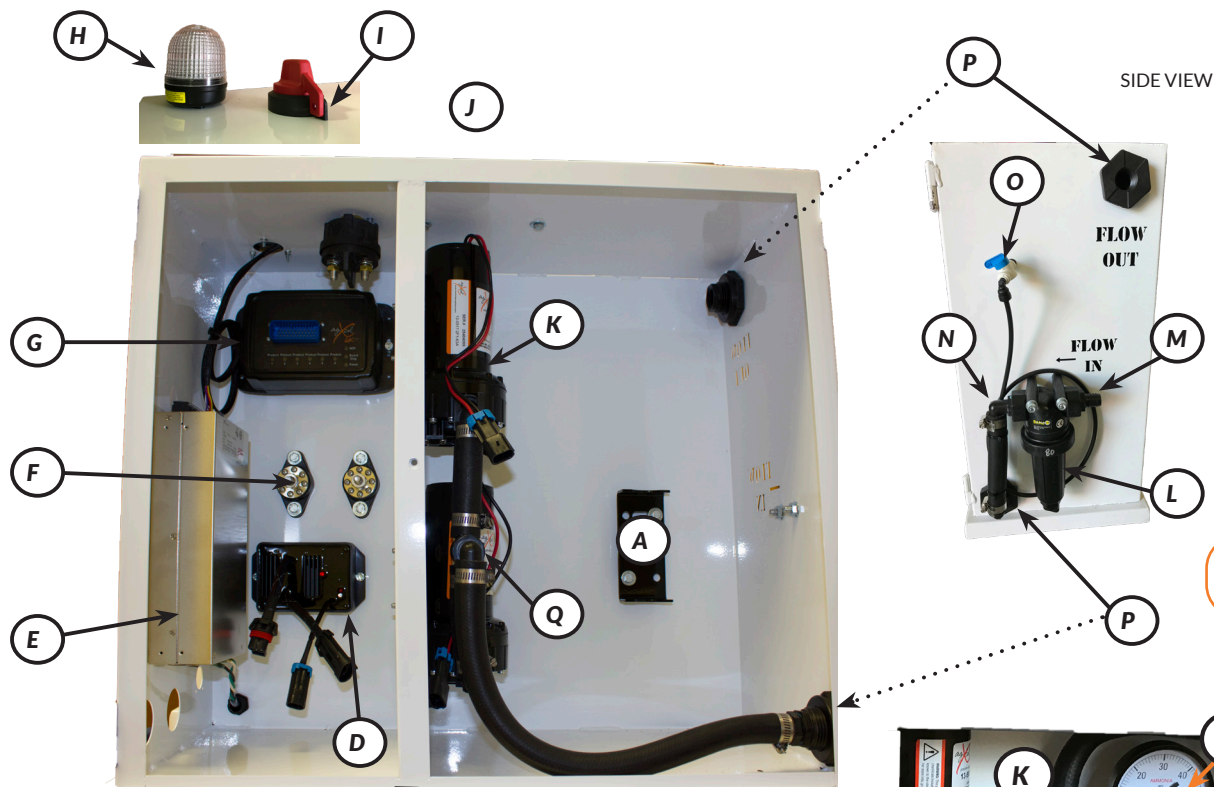


L	51171	80 MESH IN LINE FILTER (STD)
	17677	50 MESH FILTER ONLY
	17678	80 MESH FILTER ONLY
M	18005	3/4" BARB X 3/4" NPT
N	32331	3/4" BARB ELBOW X 3/4" NPT
O	19848	1/4" SHUT OFF VALVE
	260	1/4" QC TO 1/4" MALE NPTF
P	52237	3/4 BULKHEAD (2 REQ'D)
Q	32476	3/4 FEMALE BARB TEE
	32331	3/4" BARB ELBOW X 3/4" NPT
	18204	Y34 - 3/4" Y
NOT SHOWN	55787	ENCLOSUREBASESTAND_GX20 OPTIONAL BASE STAND

AUGER EXTENSIONS

56175	AUGER "Y" HARNESS
56171	GXH_EXT20
56172	GXH_EXT30
56173	GXH_EXT40
56174	GXH_EXT50
EXTENSIONS AND/OR "Y" ARE NOT INCLUDED IN BASE KIT	

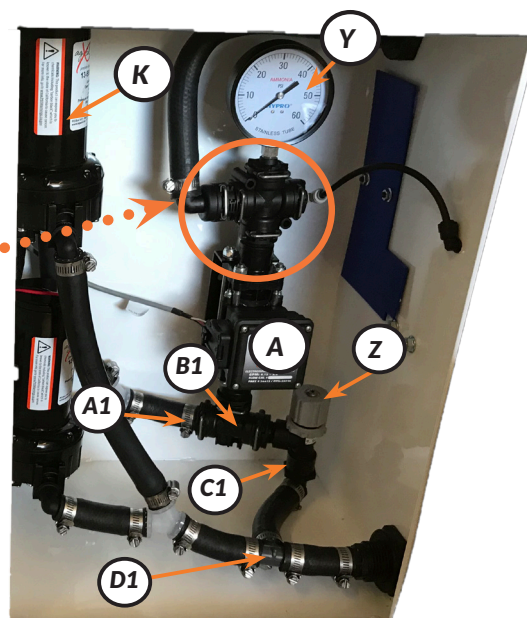
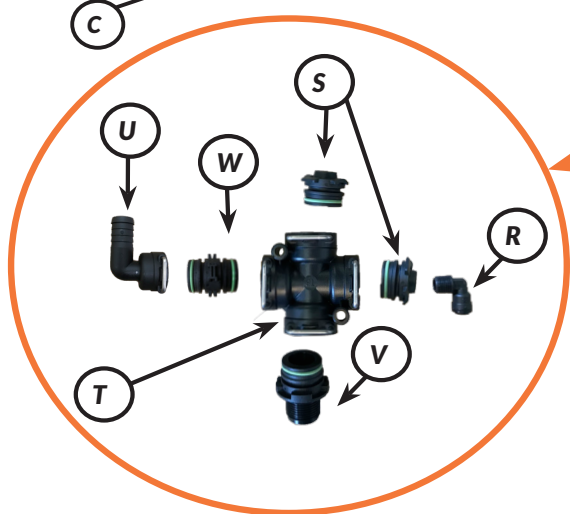




NOTE!
System should be properly rinsed after use to prevent chemical hardening inside causing long term damage to system components

Proper maintenance of unit will extend the life of the system.

BELOW IS STANDARD INTERIOR VIEW



GX20 INTERIOR COMPONENTS

R	260	1/4" QC TO 1/4" MALE NPTF
S	55070	CAP ADAPTER FOR GAUGE T3M 1/4"
T	55068	4-WAY FITTING 90° T3F
	54674	VITON T3 O RING
	54677	T3 FORK
U	54662	ELBOW T3F D.20
V	55092	HOSETAIL T3M 3/4"M
W	55214	NIPPLE T3M
Y	33816	60 PSI GAUGE

Z	39456	3/4" BYPASS
A1	54660	HOSETAIL T3M 3/4"M
B1	54669	3-WAY FITTING T3F
	54677	T3 FORK
C1	32276	3/4" FNPT - 3/4" HB ELBOW
D1	15	3/4" POLY HB TEE



AgXcel's NEW GX20HP is a high volume solution for treating dry fertilizer. Featuring a 3 phase motor and state of the art VFD, this unit was designed as an add-on unit for our GX20 Dry Treater. This High Pressure version has the capability of 11 GPM, thanks to our GX5 LFP45 hydraulic system with Blue Flex technology. With it's compact design and durability, the GX20HP is configured for your needs.

GX20HP LFP PRODUCT ADD-ON - PN# 56477

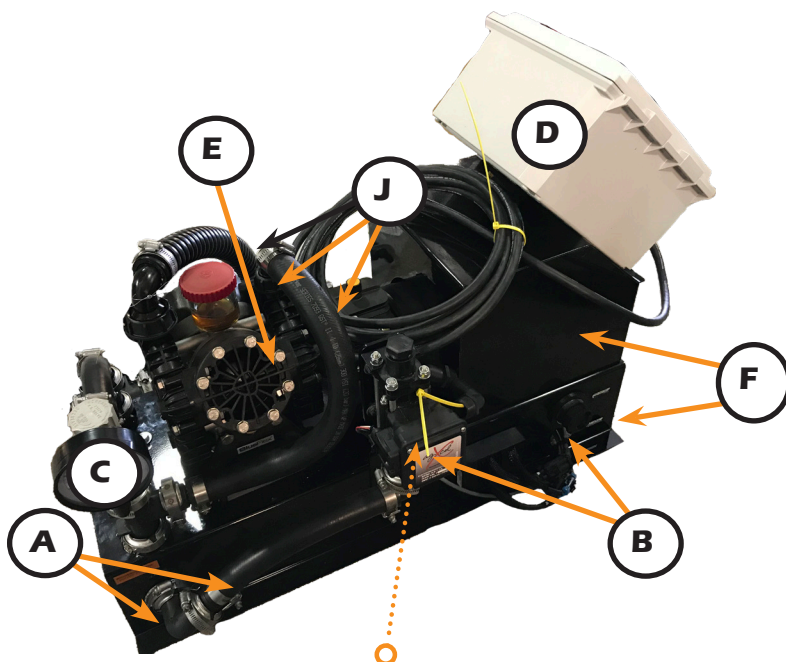
- Blue Flex diaphragms
- LFP45 ranges .5-11GPM
- LFP80 ranges .5-20GPM
- Variable Frequency Drive (VFD) to vary speed of single phase motor
- Can handle higher volumes, higher viscosity liquids, and higher pressure

LFP45 - Diaphragm Pump Oil

Specifically formulated for GX5 Diaphragm pumps.

- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil

31326	LFP45 OIL QUART (CRANKCASE OIL CAPACITY 13 oz)
49538	GEAR BOX OIL QUART - 90W (GEARBOX OIL CAPACITY 15 oz)



** See pg. 39 for GXORION flow meter kits.
This kit is dependent on rates being applied.

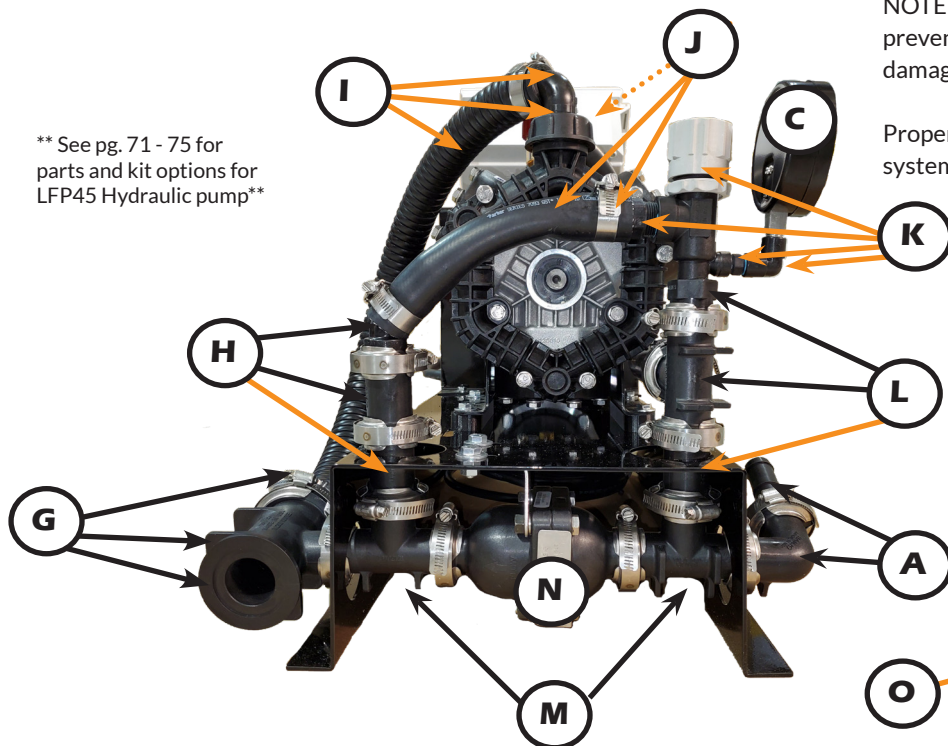
CLAMPS & HOSE	56629	1" 300 PSI BLK HOSE
	52194	1" PRESSURE CLAMP
	33132	1" WORM CLAMP
	50016	1" WORM CLAMP GASKET
	53580	1 1/4" SPIRAL HOSE
	52195	1 1/4" PRESSURE CLAMP
	308	3/4" BLACK HOSE
	19646	#12 CLAMPS
	38267	2" WORM SCREW CLAMP
	38269	2" WORM CLAMP GASKET

LFP45 HYDRAULIC PUMP REPAIR KITS	37735	LFP45 ORING KIT
	55566	LFP45 VALVE KIT
	55568	LFP45 VITON DIAPHRAGM KIT
	55564	LFP45 BLUEFLEX DIAPHRAGM KIT

GX20HP ADD-ON COMPONENTS

PN#		DESCRIPTION
A	51333	1" MANIFOLD COUPLER ELBOW
	51326	1" MANIFOLD TO 1" HB
	33132	1" WORM SCREW CLAMP
	50016	3/4" EPDM GASKET
B	18022	PWM KIT
	TBD**	GXORION FLOW METER KIT (See pg. 39)
C	33812	160 PSI GAUGE
D	37755	ELECTRIC BOX (See opposite pg. for interior)
	55677	BOX SUBPANEL
E (NOT ALL ITEMS ARE SHOWN)	56446	LFP LIFT BASE (NEED 2)
	38380	GX5 LFP 45 PUMP ONLY .5 - 11 GPM
	56204	GEARBOX FOR LFP45
	56490	MOTOR ADAPTER
F	56200	2HP, 1 PHASE 115/230 VAC
	56419	BASE BRACKET
	56420	TOP HOOD

** See pg. 71 - 75 for parts and kit options for LFP45 Hydraulic pump**



NOTE! System should be properly rinsed after use to prevent chemical hardening inside causing long term damage to system components

Proper maintenance of unit will extend the life of the system.

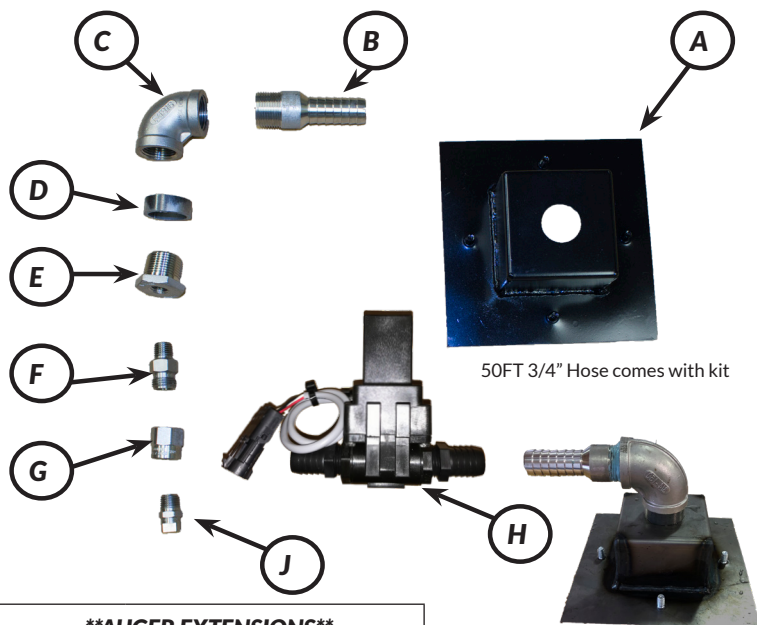
IMPORTANT!!

ALL GX20HP add-on units come calibrated to the rates of the customer so there is no need to open and/or alter any setting within the electrical box



GX20HP ADD-ON COMPONENTS		
PN#		DESCRIPTION
G (NOT ALL ITEMS ARE SHOWN)	38267	2" WORM CLAMP
	38269	2" GASKET
	51366	MANIFOLD 2" TEE 1" MANIFOLD
	51370	MANIFOLD 2" TO 1 1/4" HB ELBOW
	51369	MANIFOLD 2" TO 1 1/4" HB
H	51331	1" COUPLER
	33132	1" WORM SCREW CLAMP
	50016	GASKET
	51324	1" MANIFOLD 45 DEGREE 1" HB
	51347	1" MANIFOLD TEE
I (PUMP INLET)	55577	1 1/4" ELBOW
	55761	RING NUT
	55915	ORING LFP45
	52195	1 1/4" PRESSURE CLAMP
	53580	1 1/4" SPIRAL HOSE
J (PUMP OUTLET NOT SHOWN) SEE PG.XX		1" 300 PSI HOSE
	52194	1" PRESSURE CLAMP
	55771	1" ELBOW
	55770	1" RING NUT
	55920	LFP45 ORING

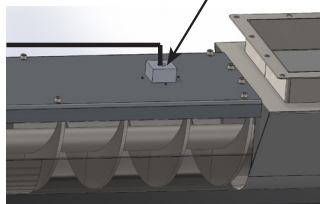
PN#		DESCRIPTION
K	39456	PRESSURE RELIEF
	50868	3/4" MPT TO 1" HB
	51995	1/4" NIPPLE
	50574	1/4" POLY ELBOW
L	51331	1" COUPLER
	51312	1" MANIFOLD TO 3/4" FPT
	51326	1" MANIFOLD HB
	51347	1" MANIFOLD TEE
M	51347	1" MANIFOLD TEE
N	53629	100 PSI SPIKE VALVE
	52814	90 DEGREE SPIKE VALVE BRACKET
O	56308	GXCIRCUITBREAKER
P	55731	GX20DRIVE1HP4.2AMPS VFD

GX20 AUGER KIT**PN# 55929**

50FT 3/4" Hose comes with kit

****AUGER EXTENSIONS****

56175	AUGER "Y" HARNESS
56171	GXH_EXT20
56172	GXH_EXT30
56173	GXH_EXT40
56174	GXH_EXT50
EXTENSIONS AND/OR "Y" ARE NOT INCLUDED IN BASE KIT	

**GX20 AUGER KIT**

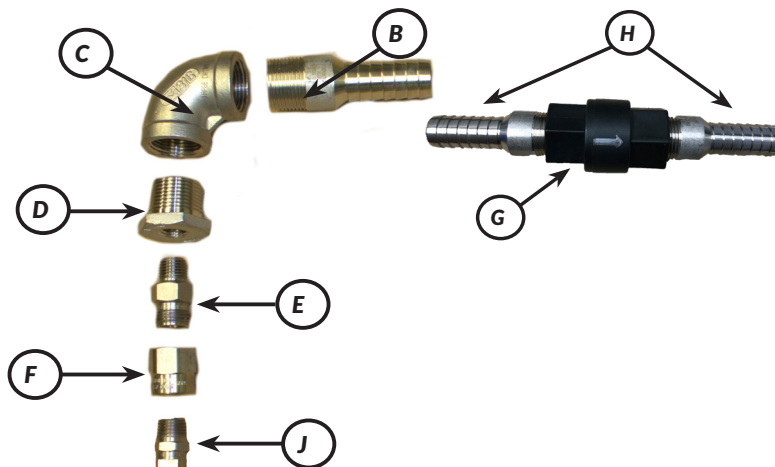
PN#		DESCRIPTION
A	55894	AUGERBRACKETGX20
B	55931	316SS 3/4" NPT BARB
C	55930	316SS PIPE ELBOW
D	55933	AUGER WASHER
E	55932	316SS 3/4" BUSHING 1/4" MNPT
F	44446	SST BODY SS-1/4TT
G	43808	SST ADAPTER ST.STL.
NOT SHOWN	308	3/4 BLK HOSE (50FT)
	19646	#12 CLAMPS
H	52070	1/2 ELECTRONIC BALL VALVE
	32248	1/2 MNPT TO 3/4" BARB

1 SIZE INCLUDED BASED ON APPLICATION RATES

J	48066	FLOODJET TIP,ST.STL.
	55962	SPRAY TIP .2 ORIFICE 80°
	55961	SPRAY TIP .5 ORIFICE 80°
	55943	SPRAY TIP 10 ORIFICE 80°
	55936	SPRAY TIP 20 ORIFICE 80°
	55942	SPRAY TIP 30 ORIFICE 80°
	55941	SPRAY TIP 40 ORIFICE 80°
	55940	SPRAY TIP 50 ORIFICE 80°
	55937	SPRAY TIP 60 ORIFICE 80°

GX20 VERTICAL SINGLE KIT**PN# 55963****GX20 VERTICAL SINGLE**

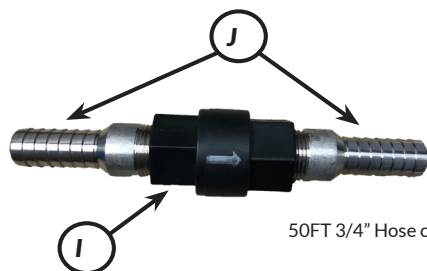
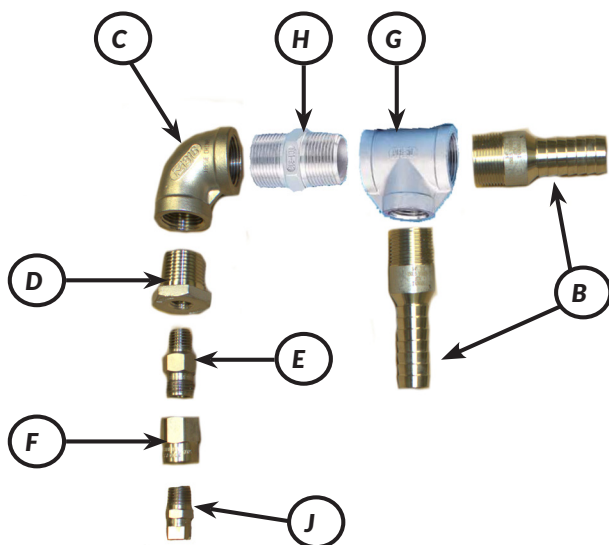
PN#		DESCRIPTION
A	308	3/4" BLACK HOSE (NOT SHOWN)
	19646	#12 SST CLAMP
B	55931	316SS 3/4" NPT BARB
C	55930	316SS PIPE ELBOW
D	55932	316SS 3/4" BUSHING 1/4" MNPT
E	44446	SST BODY SS-1/4TT
F	43808	SST ADPT.BSPT.SS
G	54022	3/4" 1# INLINE CHECK VALVE
H	55931	316SS 3/4" NPT BARB (2 REQ'D)



50FT 3/4" Hose comes with kit

GX20 VERTICAL DUAL KIT

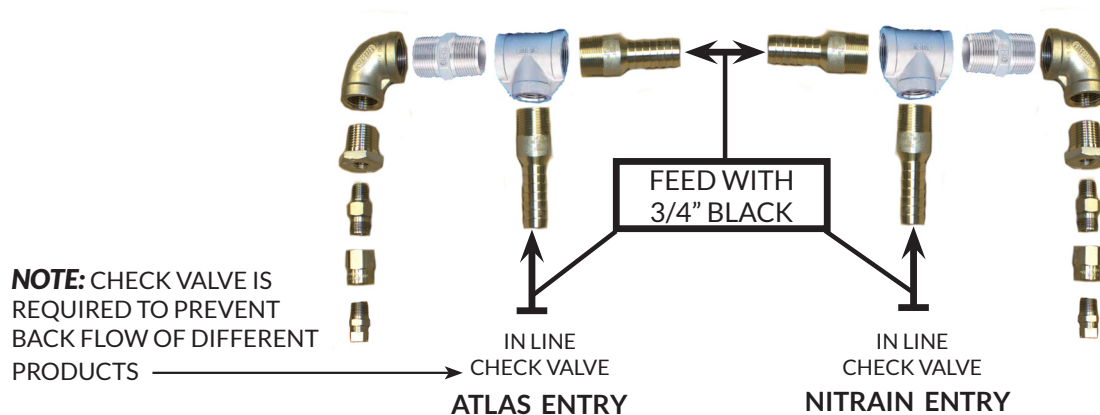
PN# 55964

**GX20 VERTICAL DUAL**

PN#		DESCRIPTION
A	308	3/4' BLACK HOSE (NOT SHOWN)
	19646	#12 SST CLAMP
B	55931	316SS 3/4" NPT BARB
C	55930	316SS PIPE ELBOW
D	55932	316SS 3/4" BUSHING 1/4" MNPT
E	44446	SST BODY SS-1/4TT
F	43808	SST ADAPTER ST.STL.
G	55965	316SS PIPE TEE 3/4"
H	55966	316SS HEX NIPPLE 3/4"
I	54022	3/4" 1# INLINE CHECK VALVE
J	55931	316SS 3/4" NPT BARB (2 REQ'D)

1 SIZE INCLUDED BASED ON APPLICATION RATES

J	48066	FLOODJET TIP,ST.STL.
	55962	SPRAY TIP .2 ORIFICE 80°
	55961	SPRAY TIP .5 ORIFICE 80°
	55943	SPRAY TIP 10 ORIFICE 80°
	55936	SPRAY TIP 20 ORIFICE 80°
	55942	SPRAY TIP 30 ORIFICE 80°
	55941	SPRAY TIP 40 ORIFICE 80°
	55940	SPRAY TIP 50 ORIFICE 80°
	55937	SPRAY TIP 60 ORIFICE 80°

OVERALL LAYOUT OF DUAL KIT

NOTE: CHECK VALVE IS REQUIRED TO PREVENT BACK FLOW OF DIFFERENT PRODUCTS

50FT 3/4" Hose comes with kit



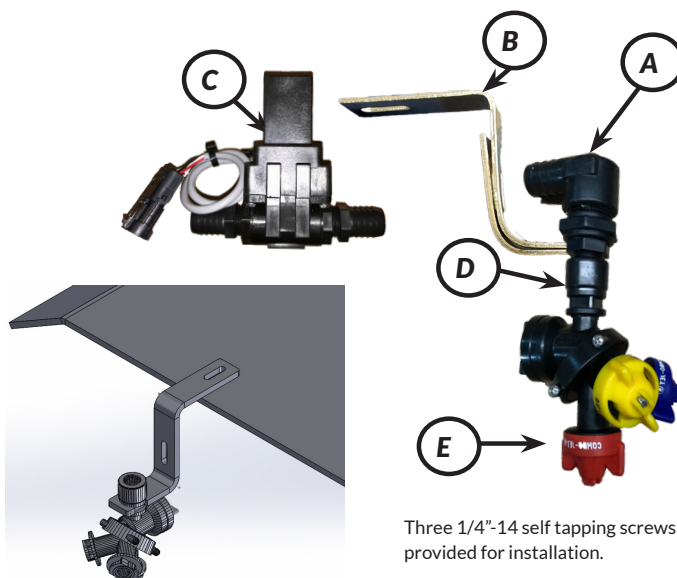
GX20 BLENDER KIT

LOW VOLUME PN# 55968

HIGH VOLUME PN# 55969

GX20 BLENDER KIT

PN#		DESCRIPTION
NOT SHOWN	308	3/4 BLK HOSE (50FT)
	19646	#12 CLAMPS
A	26147	3/8" NPTM X 3/4" HOSE SHANK 1 WAY
B	26212	BOOM CLAMP 1 1/2" - 2" MAIN CLAMP SS
	26204	BOOM CLAMP LOCK CLIP
	55967	14 X 1 SELF DRILLING
C	52070	1/2 ELECTRONIC BALL VALVE
	32248	1/2 MNPT TO 3/4" BARB
D	26222	TRI BODY BOOM
E	26110	COMBO-JET MR80-005 BLACK
	26111	COMBO-JET MR80-0067 PINK
	26112	COMBO-JET MR80-01 ORANGE
	26113	COMBO-JET MR80-015 GREEN
	26114	COMBO-JET MR80-02 YELLOW
	26115	COMBO-JET MR80-025 PURPLE
	26116	COMBO-JET MR80-03 BLUE
	26117	COMBO-JET MR80-04 RED
	26118	COMBO-JET MR80-05 BROWN
	26119	COMBO-JET MR80-06 GRAY
	26120	COMBO-JET MR80-08 WHITE
	26121	COMBO-JET MR80-10 LIGHT BLUE
	26122	COMBO-JET MR80-125 TEAL
	26123	COMBO-JET MR80-15 LIGHT GREEN
	26124	COMBO-JET MR80-20 TAN
	26125	COMBO-JET MR80-25 BLACK
	26126	COMBO-JET MR80-30 BLACK
	26127	COMBO-JET MR80-40 BLACK



NOTE: The metal bracket used on the nozzle body may need to be bent or modified to fit correctly, as all blenders are made differently.

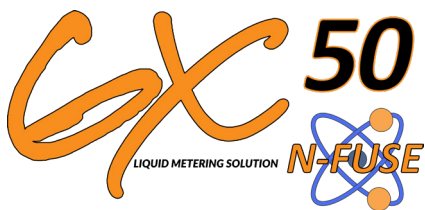
50FT HOSE COMES WITH KIT

****EXTENSIONS****

56175	AUGER "Y" HARNESS
56171	GXH_EXT20
56172	GXH_EXT30
56173	GXH_EXT40
56174	GXH_EXT50
EXTENSIONS AND/OR "Y" ARE NOT INCLUDED IN BASE KIT	

For mounting on
Blender cover





The AgXcel NEW GX50 N-Fuse is your robust, chemical injection solution. Designed for injection, the GX50 N-Fuse can dispense anhydrous compatible products into pressurized nurse tanks with the utmost precision. Operating at 200 psi, the GX50 N-Fuse can deliver up to 10 gallons/min. Built to withstand the harshest weather environments, the GX50 N-Fuse is your go to injection unit.

FEATURES:

- 120v 20amp configuration
- 10 gallons/min @ 200 PSI
- High performance positive displacement pump
- 2 HP 3600 rpm self cooled motor
- Heavy Duty powder coated chassis
- Resistive touch screen
- Easy to use programming
- Industrial push button operation
- AgXcel Mag flow meter for unparalleled accuracy

High Performance Chemical Injection



- Solid design to withstand the most demanding environments
- Utilizes the AgXcel Mag Flow meter for unparalleled accuracy
- Durable Resistive touch screen



Display Features:

- Simple to use control panel
- Touch screen responsive with NH3 gloves
- Large press buttons for ease of management
- Large font
- Resistive touch screen
- IP65 Water proof display
- 1000 NIT readable in direct sunlight

Pump Features:

- 115v AC and 230v AC configurations
- Low maintenance pump that can draw even the most viscous liquids in cold weather
- Up to 10 gpm @ 200 psi
- Industrial GFI Setup
- Nylon pump head for aggressive products
- 230 psi knuckle safety relief valve
- Adjustable pressure bypass
- High pressure fittings & hoses
- High performance positive displacement pump

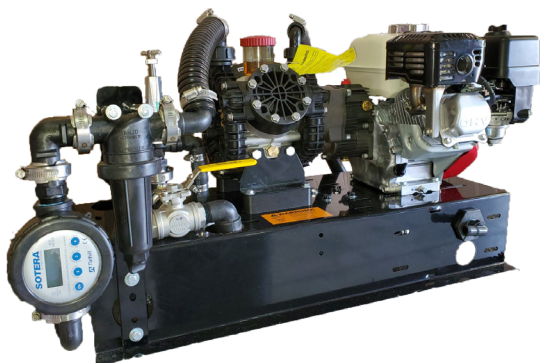
Motor Features:

- Single phase motor
- 2HP 3600 RPM
- TFC enclosure
- Induction Motor



The AgXcel GX50 N-fuse Gas series is specifically designed for in field applications, for safely injecting nitrification inhibitors into Anhydrous Ammonia.

The solution is able to inject into an anhydrous nurse tank located in the customers field at up to 11 GPM at 200 psi. Multiple features keep this system and the end-user safe. Give AgXcel a call for additional details and requirements.



- Full tank 1.5 hours of usage at full throttle
- Full tank 3 hours of usage at 50% throttle
- No need for electrical power
- 230 PSI safety bypass back to tank
- Adjustable relief valve
- Safe and simple to use
- Pull start engine
- 86 Octane or higher
- Universal mounting bracket
- Sotera Flow Meter

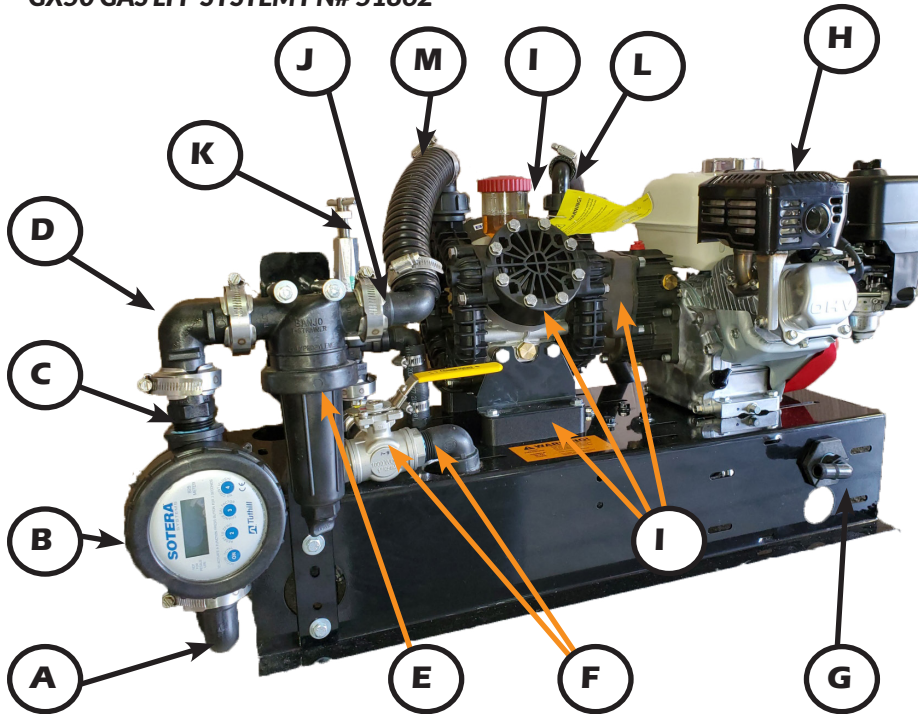




The AgXcel GX50 N-fuse Gas series is specifically designed for in field applications, for safely injecting nitrification inhibitors into Anhydrous Ammonia.

The solution is able to inject into an anhydrous nurse tank located in the customers field at up to 11 GPM at 200 psi. Multiple features keep this system and the end-user safe. Give AgXcel a call for additional details and requirements.

GX50 GAS LFP SYSTEM PN# 51862



- 230 PSI safety bypass back to tank
- Adjustable relief valve
- Safe and simple to use
- Pull start engine
- 86 Octane or higher
- Universal mounting bracket
- Sotera Flow Meter
- Full tank 1.5 hours of usage at full throttle
- Full tank 3 hours of usage at 50% throttle
- No need for electrical power

LFP45 - Diaphragm Pump Oil

Specifically formulated for GX5 Diaphragm pumps.

- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil

31326	LFP45 OIL QUART (CRANKCASE OIL CAPACITY 13 oz)
49536	HONDA OIL QUART (ENGINE OIL CAPACITY 20 oz.)
49538	GEAR BOX OIL QUART - 90W (GEARBOX OIL CAPACITY 15 oz)

GX50 LFP GAS COMPONENTS

PN#	DESCRIPTION
A (options given for inlet of flow kit - see pg.114)	33132 1" WORM SCREW CLAMP
	50016 3/4" EPDM GASKET
	50877 1" MPT TO 1 1/4" HB
	52195 1 1/4" PRESSURE CLAMP
	51338 1" MANIFOLD TO 1" MPT
B	51087 SOTERA FLOW METER
C	51338 1" MANIFOLD TO 1" MPT
D	51333 1" MANIFOLD COUPLING 90 DEGREE
E	51842 50 MESH 1" FLANGE STRAINER
F	56651 3-WAY BALL VALVE STAINLESS
	52148 1" STREET ELBOW
H	56654 HONDA ENGINE GX200
	56808 HONDA ENGINE GX160

GX50 LFP GAS COMPONENTS

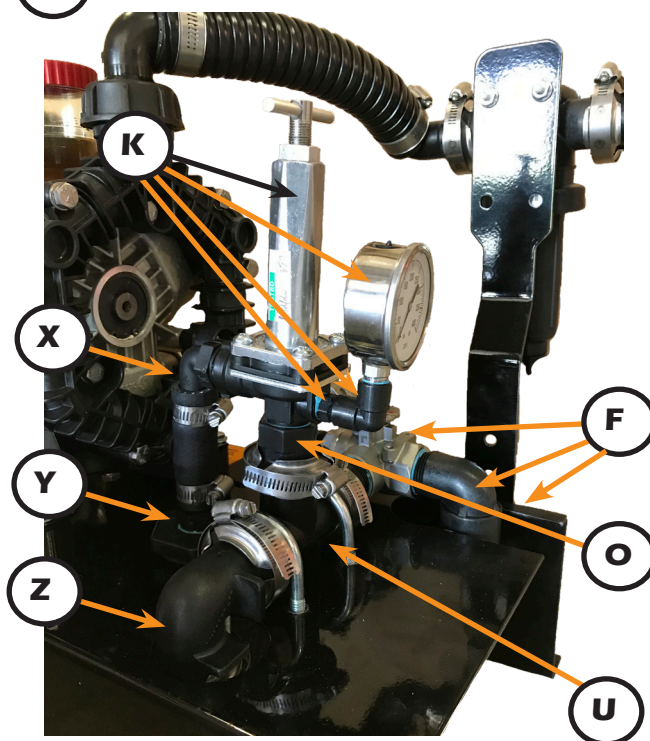
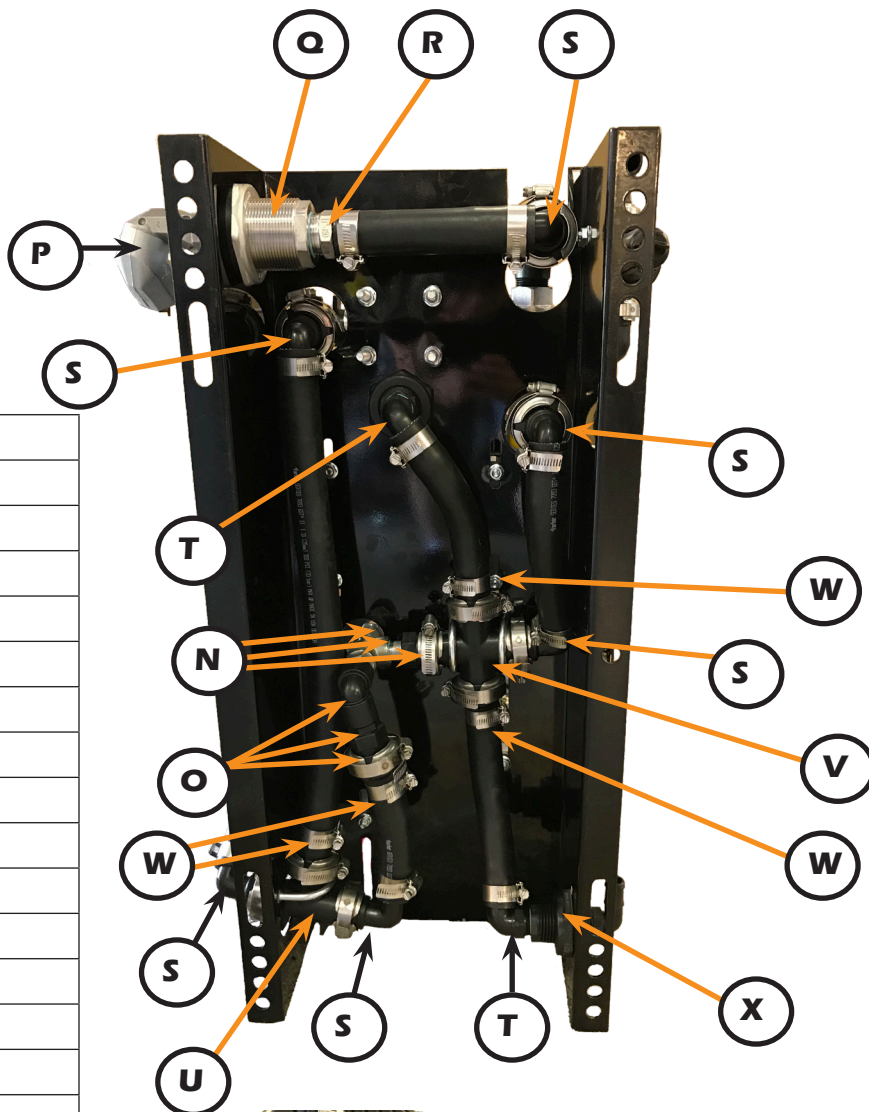
PN#	DESCRIPTION
I	17954 LFP BASE LIFT (SET OF 2)
	38380 GX5 LFP 45 PUMP ONLY .5 - 11 GPM
	56204 GEARBOX FOR LFP45
J	51321 1" FLANGE X 1 1/4" BARB-90 ELB
	33132 1" WORM SCREW CLAMP
	50016 3/4" EPDM GASKET
	52195 PRESSURE CLAMP FOR 1 1/4" HOSE
K	56631 PRESSURE RELIEF VALVE
	20844 2.5 SS LIQUID FILLED 400 PSI GAUGE
	50574 1/4" PIPE ELBOW
	32395 1/4" NIPPLE

NOTE! System should be properly rinsed after use to prevent causing long term damage to system components

Proper maintenance of unit will extend the life of the system.

CLAMPS & HOSE	56629	1" 300 PSI BLK HOSE
	52194	1" PRESSURE CLAMP
	33132	1" WORM CLAMP
	50016	1" WORM CLAMP GASKET

PN#	DESCRIPTION
L "PUMP OUT"	55771 1" ELBOW
	55770 RING NUT
	55920 O RING VITON FOR LFP45
	56629 1" 300 PSI BLK HOSE
	52194 1" CLAMP (NOT SHOWN)
M "PUMP IN"	55577 1 1/4" ELBOW
	55761 RING NUT
	55915 O RING VITON FOR LFP45
N	56588 KUNKLE PRESSURE RELIEF
	20603 1/2" SS NIPPLE
	51311 1" FLANGE TO 1/2" FPT
O	50576 PIPE ELBOW 1/2"
	52105 3/4" REDUCING NIPPLE 1/2"
	51315 1" FLANGE 3/4" FPT
P	56528 SWIVEL NOZZEL
Q	56537 1" BUNG SS
R	56536 1" KING HB SS
S	51328 1" MANIFOLD ELBOW
T	50872 1" HB 3/4" MPT ELBOW
U	51347 1" FLANGE TEE
V	51334 1" FLANGE CROSS
	53767 UBOLT
W	51326 1" FLANGE HB
X	52237 3/4" BUNG
Y	50863 3/4" MPT HB
Z	51333 1" MANIFOLD COUPLER 90 DEGREE



** See pg. 71 - 75 for parts and kit options for LFP45 Hydraulic pump**



GX50 N-FUSE MISC COMPONENTS

PN#	DESCRIPTION
	56531 HOSE END ANGLE VALVE See page xx for valve repair kits and diagram of unit.
	49695 2" PLUG
	49596 2" COUPLER
	52084 REDUCER BUSHING 2" TO 1 1/4"
	50882 1 1/4" HB MPT
56527	NH3 30FT 1" MPT ENDS
53580	1 1/4" SPIRAL HOSE (15FT standard w/system)
	50243 1" CHECK VALVE
	56619 1" NIPPLE SS316
	56528 SWIVEL NOZZLE 1" MNPT X 1" FNPT
	49637 HYDROSTATIC RELIEF VALVE 51193 RELIEF VALVE ADAPTER

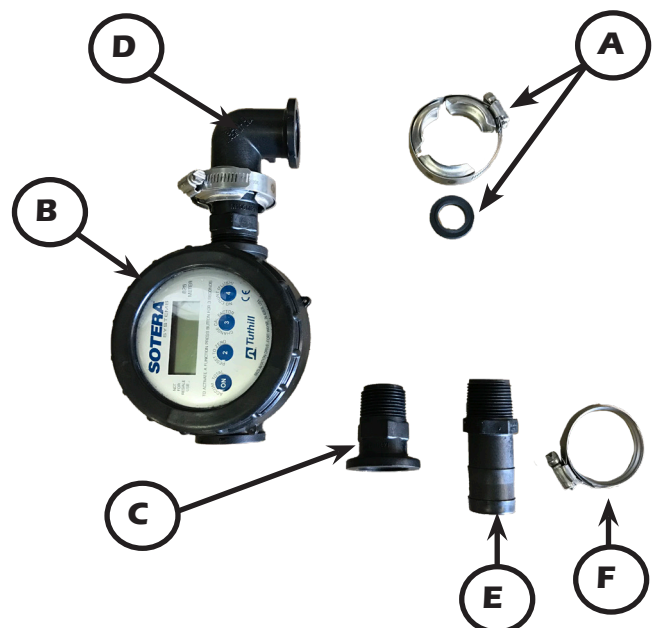


REPAIR KITS FOR PN#56531	56265	STEM & EXTENSION ASSEMBLY
	56261	HANDLE ASSEMBLY
	56240	REPAIR KIT
*SEE OPPOSITE PAGE FOR AVAILABLE KIT DIAGRAM **		

LFP45 HYDRAULIC PUMP REPAIR KITS	37735	LFP45 ORING KIT
	55566	LFP45 VALVE KIT
	55568	LFP45 VITON DIAPHRAGM KIT
	55564	LFP45 BLUEFLEX DIAPHRAGM KIT

CLAMPS & HOSE	56629	1" 300 PSI BLK HOSE
	52194	1" PRESSURE CLAMP
	33132	1" WORM CLAMP
	50016	1" WORM CLAMP GASKET
	53580	1 1/4" SPIRAL HOSE
	52195	1 1/4" PRESSURE CLAMP
	308	3/4" BLACK HOSE
	19646	#12 CLAMPS

GX50 GAS LFP FLOW KIT ONLY PN# 51111



GX50 LFP GAS FLOW KIT

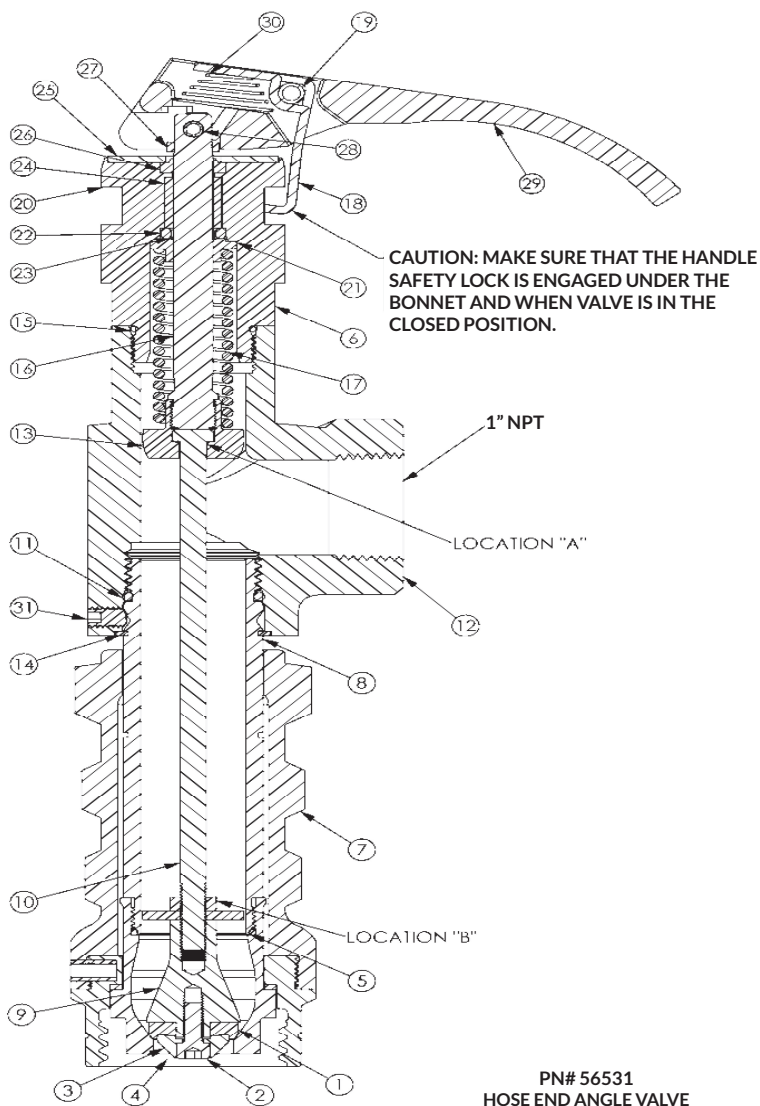
PN#	DESCRIPTION
A	33132 1" WORM SCREW CLAMP (QTY 2)
	50016 3/4" EPDM GASKET (QTY 2)
B	51087 SOTERA FLOW METER
C	51338 1" MANIFOLD TO 1" MPT (QTY 2)
D	51333 1" MANIFOLD COUPLING 90 DEGREE
E	50877 1" MPT TO 1 1/4" HB
F	52195 1 1/4" PRESSURE CLAMP

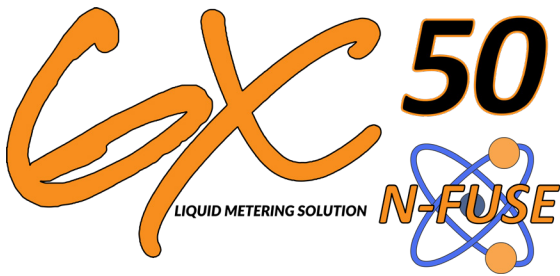
WARNING!

If the Valve is closed slowly by holding the Handle as it is moved toward the CLOSED position, be sure the Handle reaches its STOP position. The Handle Safety Lock must engage beneath the Bonnet flange.

AVAILABLE KITS		
Kit Number	Kit Name & Items Included	Assembly Procedure
PN# 56240	Seal Kit ① ② ③ ⑬ ②① ②② ②③ ②④	Steps 1 thru 9
PN# 56261	Handle Assy. ⑬ ⑬ ⑬ ⑬ ⑬ ⑬	Step 9
PN# 56265	Stem & Extension Assy. ① ② ③ ⑨ ⑩ ⑬ ⑬	Steps 4 thru 9

Item	Qty.	Description
1	1	Disc
2	2	Cap Screw
3	1	Seat Retainer
4	1	Seat
5	1	Nozzle/Seat Seal
6	1	Inlet Label
7	1	Speed Drive Swivel
8	1	Nozzle
9	1	Disc Holder
10	1	Stem Extension
11	1	Body/Nozzle Seal
12	1	Body (Angle)
13	1	Seat Retainer
14	1	Spiral Retainer Ring
15	1	Body/Bonnet Seal
16	1	Stem
17	1	Stem Spring
18	1	Handle Safety Lock
19	1	Pin
20	1	Bonnet
21	1	Seal Retainer
22	1	Stem Seal
23	1	Seal Sleeve
24	1	Bonnet Bushing
25	1	Handle Bearing
26	1	Wiper Ring
27		
28	1	Handle Pivot Roll Pin
29	1	Handle
30	1	Handle Spring
31	1	Set Screw



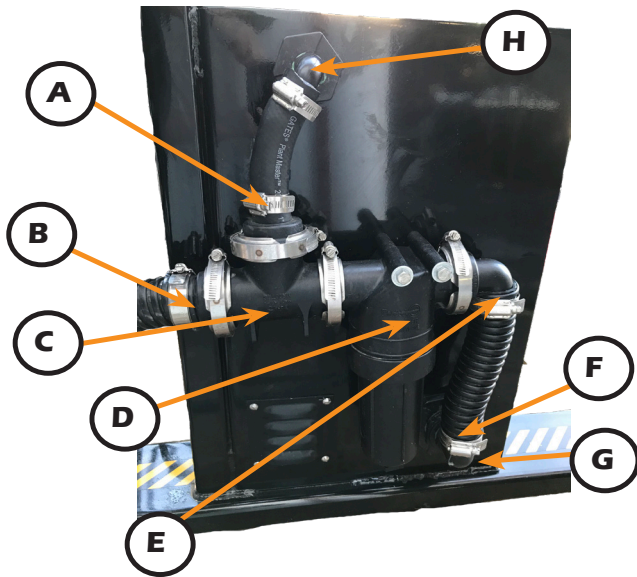


The AgXcel NEW GX50 N-Fuse is your robust, chemical injection solution. Designed for injection, the GX50 N-Fuse can dispense anhydrous compatible products into pressurized nurse tanks with the utmost precision. Operating at 200 psi, the GX50 N-Fuse can deliver up to 10 gallons/min. Built to withstand the harshest weather environments, the GX50 N-Fuse is your go to injection unit.



GX50 N-FUSE 110V SYSTEM PN# 56626

GX50 N-FUSE 240V SYSTEM PN# 51034



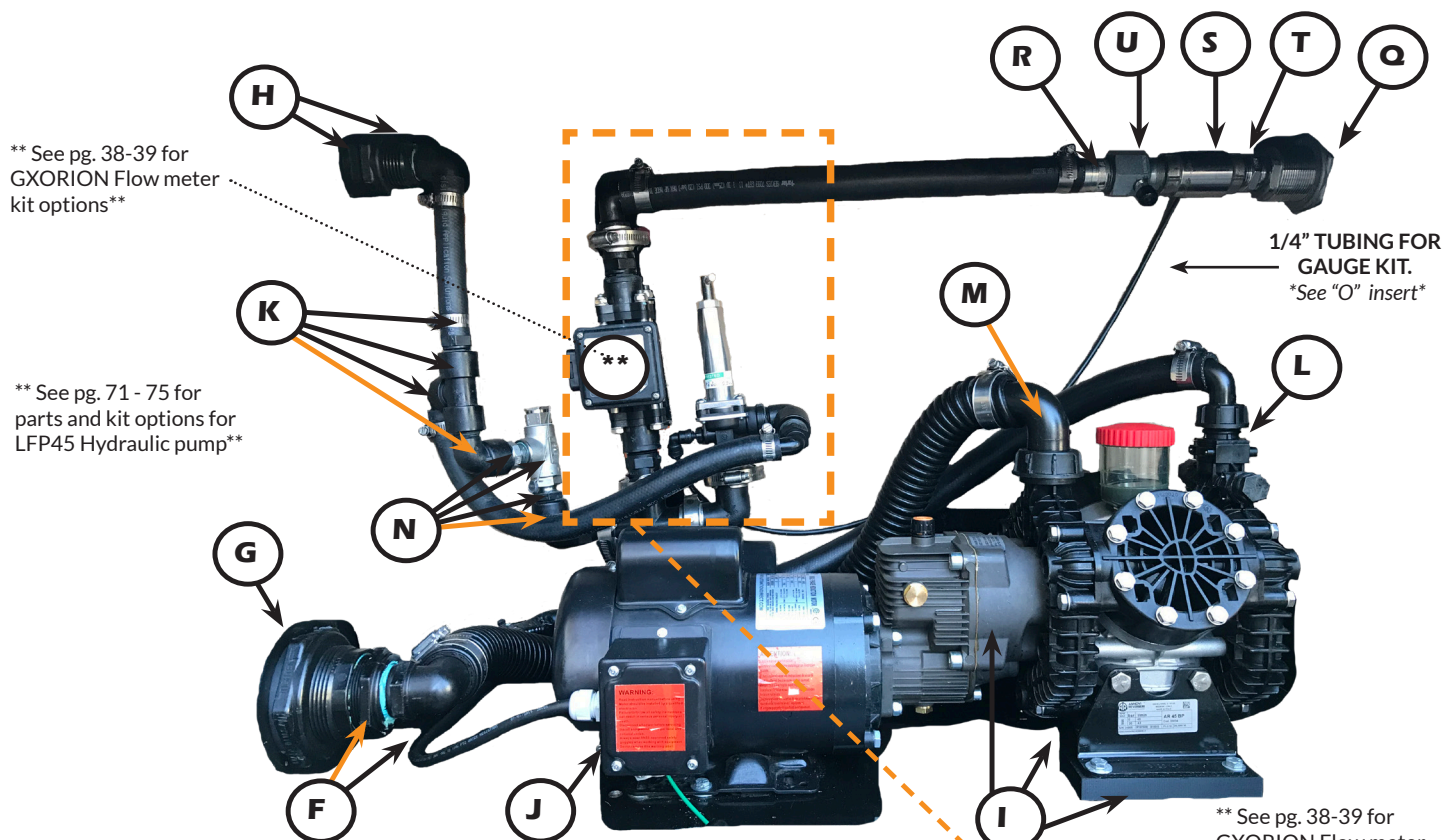
FEATURES:

- 120v 20amp configuration
- 10 gallons/min @ 200 PSI
- High performance positive displacement pump
- 2 HP 3600 rpm self cooled motor
- Heavy Duty powder coated chassis
- Resistive touch screen
- Easy to use programming
- Industrial push button operation
- AgXcel Mag flow meter for unparalleled accuracy

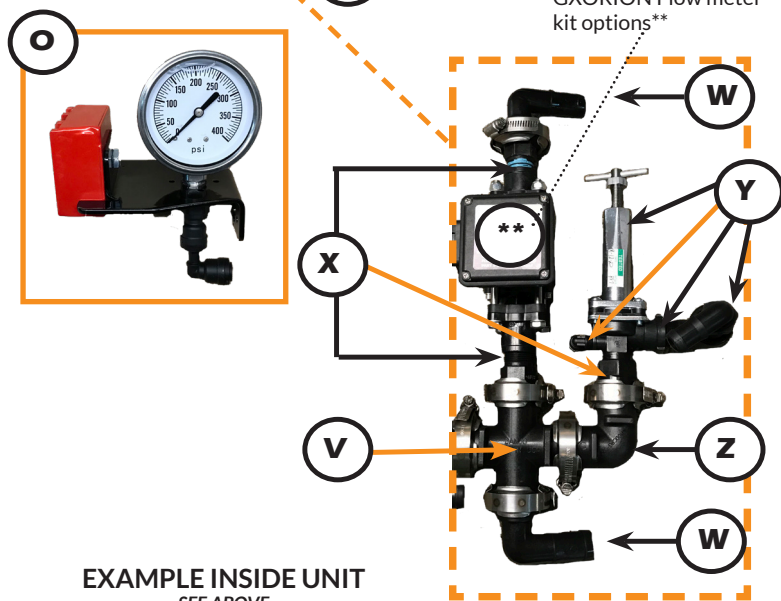
GX50 N-FUSE COMPONENTS		
PN#	DESCRIPTION	
A	51312	1" MANIFOLD TO 3/4" MANIFOLD
	33132	1" WORM SCREW CLAMP
	50016	3/4" EPDM GASKET
B	51369	1 1/4" HB MANIFOLD 2"
C	51366	2" MANIFOLD TEE W 1" MANIFOLD
	38267	2" WORM SCREW CLAMP
	38269	2" EPDM GASKET
D	51850	2" IN LINE T-STRAINER-50 MESH
E	51370	2" MANIFOLD 1 1/4" HB ELBOW
F	52084	2" REDUCING BUSHING 1 1/4"
	50886	1 1/4" HB ELBOW
G	52281	2" BUNG
H	52245	1" BUNG
	50879	1" MPT TO 3/4" HB ELBOW

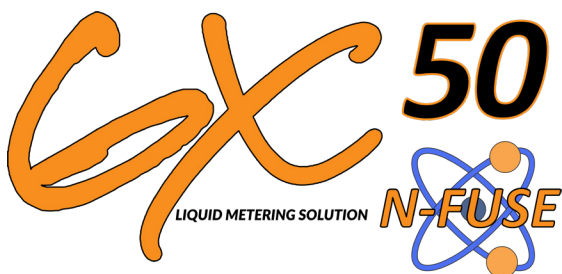
GX50 N-FUSE COMPONENTS		
PN#	DESCRIPTION	
I	56446	LFP BASE LIFT (SET OF 2)
	38380	GX5 LFP 45 PUMP ONLY .5 - 11 GPM
	56204	GEARBOX FOR LFP45
J	56200	2HP 3600RPM INDUCTION MOTOR
K	50863	3/4" HB
	52214	POLY FEM TEE 3/4"
	50870	3/4" HB ELBOW
	52146	3/4" POLY STREET ELBOW

L "PUMP OUT"	55771	1" ELBOW
	55770	RING NUT
	55920	O RING VITON FOR LFP45
	56629	1" 300 PSI BLK HOSE
M "PUMP IN"	52194	1" CLAMP (NOT SHOWN)
	55577	1 1/4" ELBOW
	55761	RING NUT
	55915	O RING VITON FOR LFP45
N	56588	KUNKLE PRESSURE RELIEF
	32415	3/4" X 1/2" SS NIPPLE
	52071	REDUCING BUSHING 3/4" X 1/2"
	52146	3/4" POLY STREET ELBOW
	51315	1" FLANGE 3/4" FPT (Not Shown)



O	17960	MG MOUNT
	20844	2.5 SS GAUGE 400 PSI
	19920	EVA14 TUBING
	168	QC9 3/8 FPT 1/4\" QC
	20024	1/4\" STEM TO 1/4\" QC ELBOW
P	56528	SWIVEL NOZZEL (Not Shown)
Q	56537	1\" BUNG SS
R	56536	1\" KING HB SS
S	50253	1\" CHECK VALVE
T	56619	1\" NIPPLE SS316
U	51193	RELIEF VALVE ADAPTER
	49637	HYDROSTATIC RELIEF VALVE
V	51334	1\" FLANGE CROSS
W	51328	1\" FLANGE ELBOW
X DEPENDS UPON SIZE OF FLOW KIT	51316	1\" FLANGE TO 3/4\" MPT (Standard fitting)
	51338	1\" FLANGE TO 1\" MPT
	56631	PRESSURE RELIEF VALVE
Y	54456	SWIVEL 1/4\" QC (For Gauge tubing)
	52146	3/4\" POLY STREET ELBOW
	50870	3/4\"HB ELBOW
Z	51333	1\" MANIFOLD COUPLER 90 DEGREE





IMPORTANT!!
ALL GX50 N-Fuse units
 come calibrated to the
 rates of the customer so
 there is no need to open
 and/or alter any setting
 within the electrical box

GX50 N-FUSE MISC COMPONENTS

PN#	DESCRIPTION	
	56531	HOSE END ANGLE VALVE See page xx for valve repair kits and diagram of unit.
	49695	2" PLUG
	49596	2" COUPLER
	52084	REDUCER BUSHING 2" TO 1 1/4"
	50882	1 1/4" HB MPT
56527	NH3 30FT 1" MPT ENDS	
53580	1 1/4" SPIRAL HOSE (15FT standard w/system)	
	50243	1" CHECK VALVE
	56619	1" NIPPLE SS316
	56528	SWIVEL NOZZLE 1" MNPT X 1" FNPT
	49637	HYDROSTATIC RELIEF VALVE
	51193	RELIEF VALVE ADAPTER

CLAMPS & HOSE	56629	1" 300 PSI BLK HOSE
	52194	1" PRESSURE CLAMP
	33132	1" WORM CLAMP
	50016	1" WORM CLAMP GASKET
	53580	1 1/4" SPIRAL HOSE
	52195	1 1/4" PRESSURE CLAMP
	308	3/4" BLACK HOSE
	19646	#12 CLAMPS
	38267	2" WORM SCREW CLAMP
	38269	2" WORM CLAMP GASKET
	19920	1/4" BLK TUBING

LFP45 - Diaphragm Pump Oil

Specifically formulated for GX5 Diaphragm pumps.

- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil

31326	LFP45 OIL QUART (CRANKCASE OIL CAPACITY 13 oz)
49538	GEAR BOX OIL QUART - 90W (GEARBOX OIL CAPACITY 15 oz)

LFP45 HYDRAULIC PUMP REPAIR KITS	37735	LFP45 ORING KIT
	55566	LFP45 VALVE KIT
	55568	LFP45 VITON DIAPHRAGM KIT
	55564	LFP45 BLUEFLEX DIAPHRAGM KIT

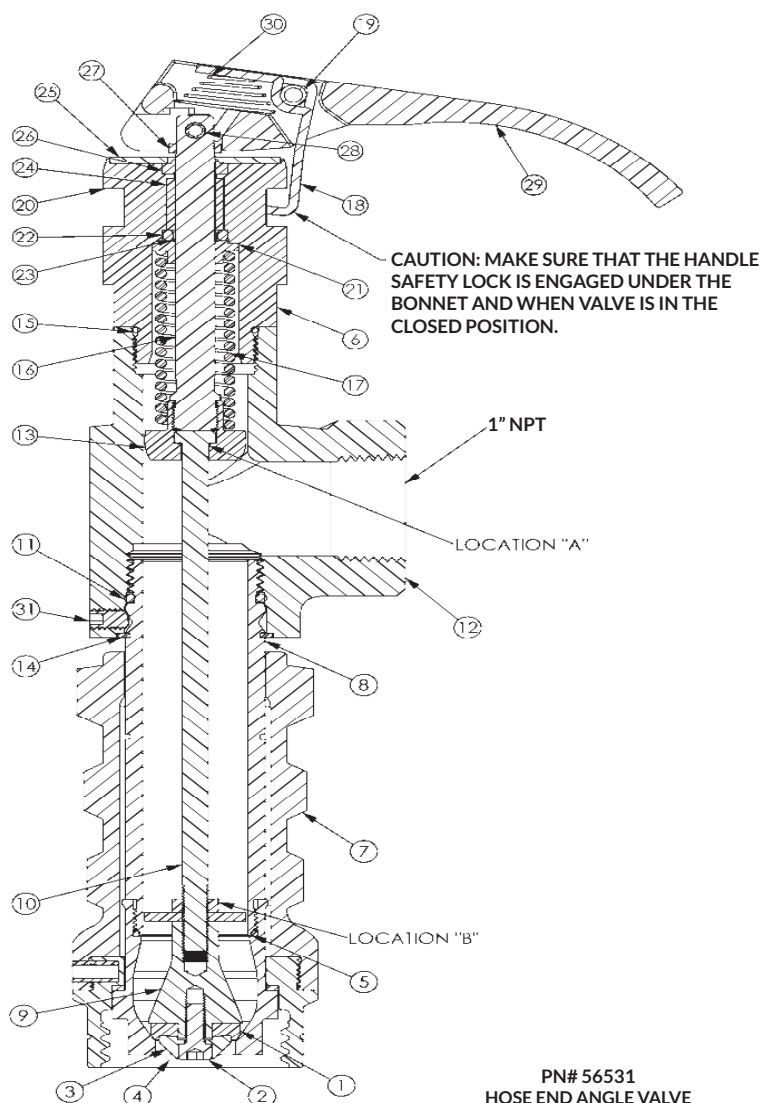
NOTE! System should be properly rinsed after use to prevent chemical hardening inside causing long term damage to system components

Proper maintenance of unit will extend the life of the system.

WARNING! If the Valve is closed slowly by holding the Handle as it is moved toward the CLOSED position, be sure the Handle reaches its STOP position. The Handle Safety Lock must engage beneath the Bonnet flange.

AVAILABLE KITS		
Kit Number	Kit Name & Items Included	Assembly Procedure
PN# 56240	Seal Kit ① ② ③ ⑮ ②① ②② ②③ ②④	Steps 1 thru 9
PN# 56261	Handle Assy. ⑮ ⑮ ⑮ ⑮ ⑮ ⑮	Step 9
PN# 56265	Stem & Extension Assy. ① ② ③ ⑨ ⑩ ⑬ ⑮	Steps 4 thru 9

Item	Qty.	Description
1	1	Disc
2	2	Cap Screw
3	1	Seat Retainer
4	1	Seat
5	1	Nozzle/Seat Seal
6	1	Inlet Label
7	1	Speed Drive Swivel
8	1	Nozzle
9	1	Disc Holder
10	1	Stem Extension
11	1	Body/Nozzle Seal
12	1	Body (Angle)
13	1	Seat Retainer
14	1	Spiral Retainer Ring
15	1	Body/Bonnet Seal
16	1	Stem
17	1	Stem Spring
18	1	Handle Safety Lock
19	1	Pin
20	1	Bonnet
21	1	Seal Retainer
22	1	Stem Seal
23	1	Seal Sleeve
24	1	Bonnet Bushing
25	1	Handle Bearing
26	1	Wiper Ring
27		
28	1	Handle Pivot Roll Pin
29	1	Handle
30	1	Handle Spring
31	1	Set Screw



PN# 56531
HOSE END ANGLE VALVE

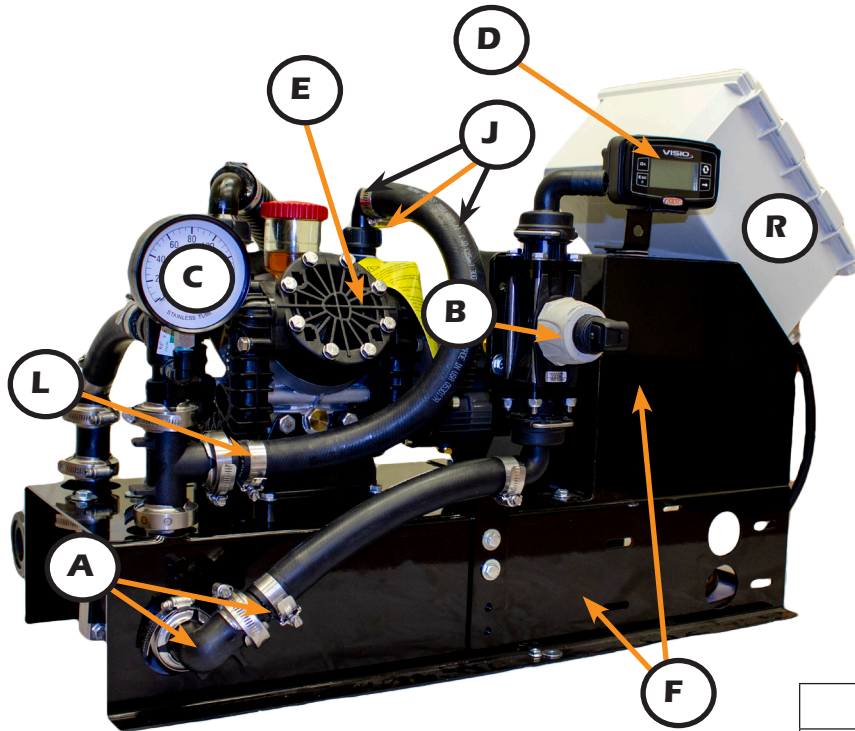




The AgXcel GX50 Transfer system is a TRUE liquid chemical transfer solution. Unlike other systems that begin to lose overall GPM when pressure increases, the AgXcel GX50T can meet high pressure demands.

The GX50T can attain 2-10 GPM even as pressure increases when transferring liquid or injecting liquid into other containers. As the liquid transfer continues and pressure from the tank increases as volume increases, the GX50T's LFP pump can meet those challenges with a rating of up to 280PSI coupled with an AgXcel specified 220v custom motor.

GX50 VISIO LITE - TRANSFER SYSTEM PN# 17955



- Agxcel LFP45 positive displacement pump with Blue Flex Technology
- Can withstand demanding weather conditions and Harsh chemicals
- Low and High PH levels
- AISI 316 Stainless Steel components
- Internal valves feature expanded openings for efficiency
- VERY LOW Maintenance
- No priming issues
- Simple to use Visio Controller
 - Simple batch setup
 - Auto rate control
 - Totalizer
 - Instant Flow Rate
 - Status Update

CHEMICAL INJECTION CAPABILITY

- Can be used to inject at up to 220PSI
- Pressure regulated to reduce/increase GPM
- Safety Pressure Bypass Valve

LFP45 HYDRAULIC PUMP REPAIR KITS	37735	LFP45 ORING KIT
	55566	LFP45 VALVE KIT
	55568	LFP45 VITON DIAPHRAGM KIT
	55564	LFP45 BLUEFLEX DIAPHRAGM KIT

LFP45 - Diaphragm Pump Oil

Specifically formulated for GX5 Diaphragm pumps.

- Advanced Lubrication Technology
- BlueFlex Diaphragm compatible
- SAE 30 Non-Detergent Oil

31326	LFP45 OIL QUART (CRANKCASE OIL CAPACITY 13 oz)
49538	GEAR BOX OIL QUART - 90W (GEARBOX OIL CAPACITY 15 oz)

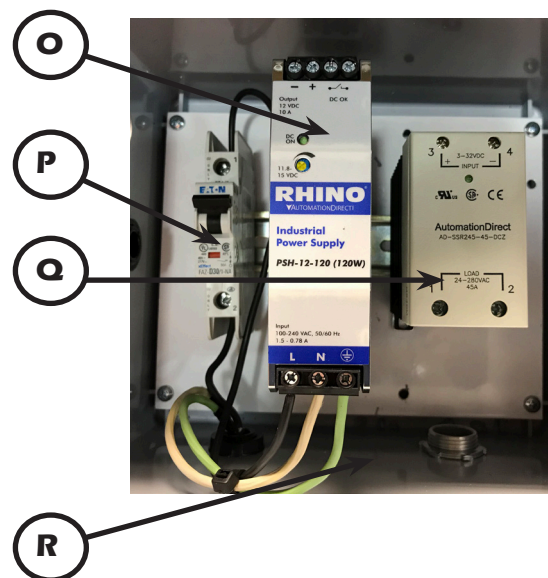
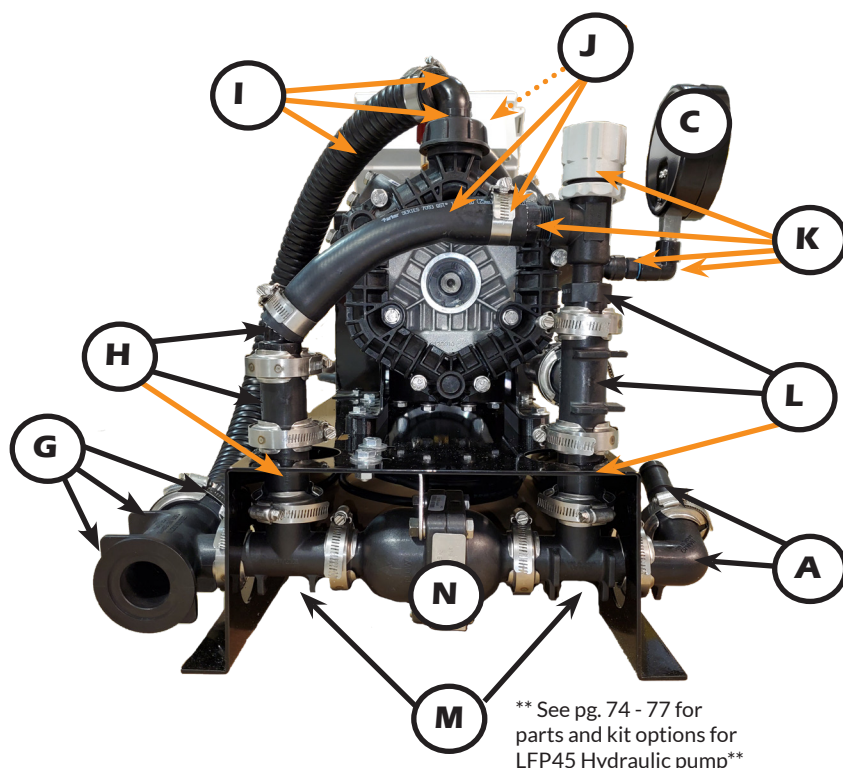


GX50 VISIO LITE - TRANSFER COMPONENTS

PN#		DESCRIPTION
A	51333	1" MANIFOLD COUPLET ELBOW
	51326	1" MANIFOLD TO 1" HB
	33132	1" WORM SCREW CLAMP
	50016	3/4" EPDM GASKET
B	54649	1" T5 HB IN
	54650	3/4" T5 HB OUT
	55909	WOLF LF FLOW KIT
C	20844	400 PSI GAUGE SST
D	55659	VISIO CONTROLLER
	17702	MOUNTING BRACKET
E (NOT ALL ITEMS ARE SHOWN)	56446	LFP LIFT BASE (NEED 2)
	38380	GX5 LFP 45 PUMP ONLY .5 - 11 GPM
	56204	GEARBOX FOR LFP45
	56490	MOTOR ADAPTER
	56200	2HP, 1 PHASE 115/230 VAC
F	56419	BASE BRACKET
	56420	TOP HOOD

IMPORTANT!!

ALL GX50 Visio Lite units come calibrated to the rates of the customer so there is no need to open and/or alter any setting within the electrical box



GX50 VISIO LITE - TRANSFER COMPONENTS		
PN#		DESCRIPTION
G (NOT ALL ITEMS ARE SHOWN)	38267	2" WORM CLAMP
	38269	2" GASKET
	51366	MANIFOLD 2" TEE 1" MANIFOLD
	51370	MANIFOLD 2" TO 1 1/4" HB ELBOW
	51369	MANIFOLD 2" TO 1 1/4" HB
H	51331	1" COUPLER
	33132	1" WORM SCREW CLAMP
	50016	GASKET
	51324	1" MANIFOLD 45 DEGREE 1" HB
	51347	1" MANIFOLD TEE
I (PUMP INLET)	55577	1 1/4" ELBOW
	55761	RING NUT
	55915	ORING LFP45
	52195	1 1/4" PRESSURE CLAMP
	53580	1 1/4" SPIRAL HOSE
J (PUMP OUTLET NOT SHOWN) See opposite page	56629	1" 300 PSI HOSE
	52194	1" PRESSURE CLAMP
	55771	1" ELBOW
	55770	1" RING NUT
	55920	LFP45 ORING

PN#		DESCRIPTION
K	39456	PRESSURE RELIEF
	50868	3/4" MPT TO 1" HB
	51995	1/4" NIPPLE
	50574	1/4" POLY ELBOW
L	51331	1" COUPLER
	51312	1" MANIFOLD TO 3/4" FPT
	51326	1" MANIFOLD HB
	51347	1" MANIFOLD TEE
M	51347	1" MANIFOLD TEE
N	53629	100 PSI SPIKE VALVE
	52814	90 DEGREE SPIKE VALVE BRACKET
O	56427	POWER SUPPLY 12 VDC
P	56309	GX50SOLIDSTATERLAY3-32VDC
Q	56569	GX50 CIRCUIT BREAKER 30A
	56539	POWERBLOCK_GX50 (Not Shown)
R	55830	ELECTRICAL BOX

NOTE! System should be properly rinsed after use to prevent chemical hardening inside causing long term damage to system components

Proper maintenance of unit will extend the life of the system.



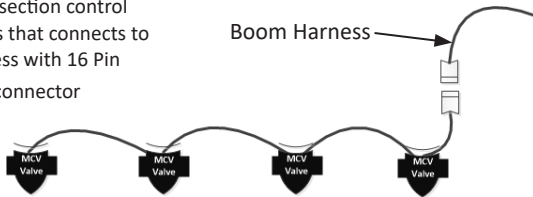
Eliminate the need for large sectional valves in the center of the implement!

GX15_{MCV}

AgXcel's Micro Control Valve

The AgXcel MCV solution was designed to eliminate the need for large sectional valves in the center of the implement. This configuration requires the system to build pressure beyond the required application rate in an effort to fill all supply hose and to open up all check valves. The design of the MCV starts with the installation of the AgXcel micro valve installed on the tool bar on each row unit of the implement. For example, if the implement were a 16 row planter there would be 16 micro valves on each row unit on the tool bar. The micro valve would control both the liquid flow to its assigned row as well as control the flow rate of its assigned row.

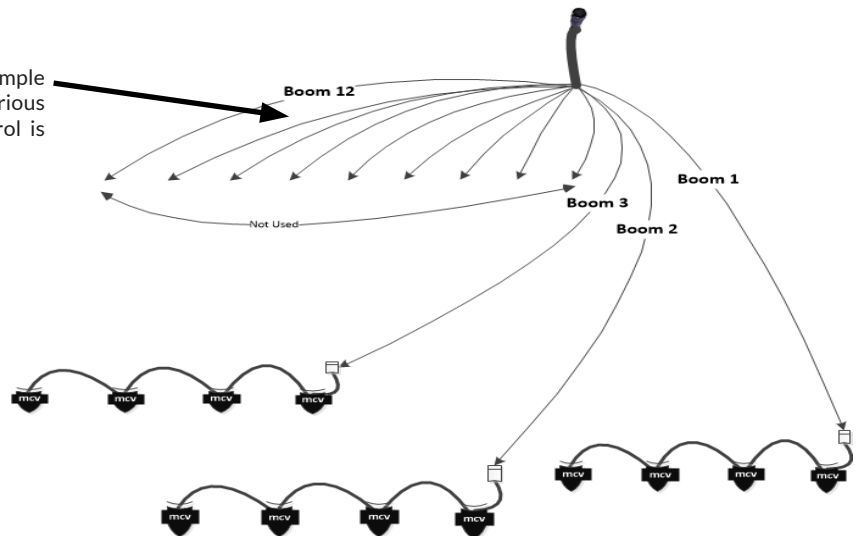
AgXcel section control harness that connects to Y harness with 16 Pin round connector



MCV's are designed to daisy chain together for a quick and simple installation process. Any configuration can be achieved for various implement configurations. This is helpful when swath control is being utilized.



MCV Body with 1/4" PTC in/out













MCV System Benefits

- Since the AgXcel micro control valve can control the flow of each row, this eliminates the need for a check valve on each row. When a standard check valve is utilized on a liquid system, reliance on a spring to open and shut the valve is required when the system is set to hold and then to run. Many times standard check valves have a tendency to stick in the open or closed position. Standard check valves also have a 3% - 7% spring tolerance so the pressure required to open a check valve on each row will vary as well. What this leads to is a varied application rate at lower pressures since each row is responding differently to system pressure and the end results are over and under application of fertilizer on each row. This tolerance is completely eliminated as the valves either open or closed and when system pressure runs below 5PSI liquid will still flow at the specified rate given that no check valve spring is required to be opened.
- Unlike with standard check valves, when the system is placed into the hold position, such as when making turns in a field, the standard check valve will allow pressure to drop down to the check valves pressure rating. So if system pressure is at 25 PSI for the specified application rate, and then the system is placed into the hold position, pressure will be allowed to escape by the check valve until it reaches the check valves pressure rating, this means that pressure could drop up to 75% of its operating pressure.
- The MCV is either in the open or closed position, and when the system is placed in the hold position pressure is maintained with a minimum of a 4% pressure drop. What this signifies is that when the system is placed back into the run position there is no longer a delay of application, liquid application is instant. This feature eliminates the ends rows of fields having the tiered look when liquid did not catch up with the speed of the implement.
- Studies were performed by AgXcel on the duration of time spent by a liquid system to prime sectional valves and all the plumbing when a system goes from a hold position to a run position. The studies performed showed that there is a 10-15 second delay from the time the system is placed in the run position to the time it takes for liquid to flow through the row applicator. This delay equated to an average of 25ft- 35ft of travel from the end of the row to the start of application.

AgX MCV Features & Benefits Include:

- Very Low voltage draw and very fast
- Complete setup for Planters, Drills, Strip-Till Application Systems
- Compatible with John Deere GS2, Ag Leader, Trimble, Raven, Micro-Trak & more
- Works for in furrow and 2x2 Solutions
- Kit comes complete with mounting bracket and harnesses
- Maintain Consistent Pressure
- Eliminate the need for check valves on every row
- Customized to YOUR needs



CRUST BUSTER & GREAT PLAINS

PN#	DESCRIPTION	
53764	GXSSTCRUSTMINTILL CRUST BUSTER MIN-TILL DISC DRILL TUBE	
53721	GXCB3200 CRUST BUSTER 3200 HOE DRILL TUBE	
53722	GXALLPLANT CRUST BUSTER ALL PLANT 3400 DISC DRILL TUBE	
53723	GXCB4000-JDS CRUST BUSTER 4000 DRILL TUBES TAKES LEFT & RIGHT AFTER 2008	
53724	GXCBTS CRUST BUSTER TRASH SHANK DRILL TUBE	
53720	GXSTEALTH FLEX COIL STEALTH OPENER	
53486	GXSST GPDD GREAT PLAINS MIN-TILL DOUBLE DISC DRILL TUBE (NOT HEAVY DUTY)	
53718	GXSSTGPHD GREAT PLAINS HOE DRILL	
54236	GXSSTGPDDHD GREAT PLAINS HEAVY DUTY DRILL STAINLESS STEEL TUBE	
38184	GXSSTGPTT400 GREAT PLAINS TUBE	











KRAUSE

PN#	DESCRIPTION	
53734	5400-PO KRAUSE 5400 PRECISION OPENER DRILL TUBE	
53736	GXSST5400NT KRAUSE 5400 NT DRILL	
53735	5400-RS KRAUSE 5400 NO-TILL DRILL	
53737	4500-NT KRAUSE 4500 NT DRILL	
53738	GXSST5200 KRAUSE 5200 DRILL	
53739	5400 PRO S KRAUSE 5400 DRILL	

JOHN DEERE

PN#	DESCRIPTION	
50561	GXSSTFURROWFORCE DUAL JOHN DEERE FURROWFORCE DUAL TUBE PLACEMENT FOR 2X2 APPLICATION	
18199R 18198L	JOHN DEERE PRO SERIES XP ROW UNIT SOYBEAN TUBE LEFT & RIGHT	

JOHN DEERE

PN#	DESCRIPTION	
20143	GXSSTJD1700 JOHN DEERE 1700, 7200, 7300 SERIES PLANTER TUBE - MAX EMERGE NOT XP SERIES	
18167R 18168L	GXSSTJD9"KIT LEFT & RIGHT JD 1990, 750,1860,1560,1590, 1690,1890,1850	
53700	GXSSTJD7000 JOHN DEERE 7000 PLANTER TUBE	
53708	GXSSTJDCARRICO JOHN DEERE CARRICO PLANTER TUBE	
38180	GXSSTJD17XP-TT006 JD 1700 SERIES WITH XP ROW UNITS (PATENTED)	
19908	GXSSTJD177372 TT-002 JD1700, 7200, & 7300 NON XP UNITS, NOT OVERSIZE	
38176	GXSSTJD177372O TT-002OVERSIZED JD 1700, 7300, 7200 SERIES (NON XP) UNITS, OVERSIZED	
38172	REGULAR TT-001 - JD 7000, 7100 SERIES PLANTER AND KINZE 2000 SERIES PLANTER	
38174	GXSSTJD70710 TT001OS OVERSIZED	
53701	GXSST-JDBOOT316 JOHN DEERE BOOT ASSEM- BLY	
53686L 53688R	GXSST-JDCCS LEFT & RIGHT JOHN DEERE CCS TUBE	

JOHN DEERE

PN#	DESCRIPTION	
19979 19985 19974 19972	GXSSTDUAL2X2KIT-3/8 HB GXSSTDUAL2X2KIT-1/4 QC GXSSTDUAL2X2KIT-3/8 QC GXSST DUAL METAL BRACKET ONLY STAINLESS STEEL NITROGEN/LIQUID FERTILIZER PLACEMENT TUBE (ON REAR TAIL SECTION)	
53725	JD 1520/455-JDSK JD 1520 & 455 DRILL	
53727	JD 8300C JOHN DEERE 8300C DRILL TUBE	
53729	JD 515 DD JOHN DEERE 515 DRILL TUBE	
53730	JD520 JOHN DEERE 520 DRILL TUBE	
53728	JD 9300 JOHN DEERE 9300 HOE DRILL / LZ HOE DRILL TUBE	
56390	JD 9400 JOHN DEERE 9400 HOE DRILL TUBE	
53726	JD 9400 JOHN DEERE 9400 HOE DRILL TUBE (DIFFERENT STYLE)	
53763R 53753L	JD1560 JOHN DEER 1560 DRILL TUBE	
38187	JD MAXEMERGE 5 ROW UNIT - NOT FOR HIGH SPEED PLANTER TT007	
20156	GXSSTJD1700CCS XP - SHORT TAB JOHN DEERE 1700 SERIES WITH XP ROW UNITS.	
54084	GXSSTJD BACK/BESIDE TUBE JD 1700 STAINLESS STEEL TUBE SINGLE OUT THE BACK	
54083R 54082L	GXSSTJD1990LONGKIT-RIGHT GXSSTJD1990LONGKIT-LEFT TUBES FOR JD 1990, 750, 1860,1560,1590,1690,1890,1850 DRILLS- LONG VERSION OF TUBE DOWN THE CLOSING WHEEL ARM	

CASE IH . KINZIE

PN# DESCRIPTION

53685 GX SST-IH-PW
CASE IH PLANTER TUBE FOR PRESS
WHEEL



53681 GX SSTIH1200
CASE IH 1200 PLANTER TUBE
MOUNTS ON SIDE OF SEED BOOT



53707 GX SST-IH1200-316
CASE IH 1200 3/16" TUBE
BELOW THE SEED
PLACEMENT



38198 GX SSTIH1200(2011 AND OLDER)
CASE IH PLANTERS 2011 AND OLDER



53713 GX SSTIH1200NEWER
CASE IH 1200 PLANTERS
(NEWER MODEL - YEAR 2012)



53714 GX SST-301
KINZE 3000 SERIES



53731 IH 150 SPECIAL SS
CASE IH 150 SOLID SHAFT DRILL
TUBE



53745R GX SSTSDX40 CASE
53744L CASE SDX DRILL
(RIGHT & LEFT)



18202 GX TT-300CASE -
CASE IH PLANTER
NITROGEN AND/OR
LIQUID FERTILIZER TUBE -
WILL NOT WORK WITH
THE NEW CASE 2150.



18197 GX SSTT125CASE TT-125,
CASE-IH BELOW SEED TUBE

CASE IH, NOBLE, SUNFLOWER,
ORTHMAN, WHITE & LANDOLL

PN# DESCRIPTION

53752 IH 8500AS
IH 8500 AIR SEEDER DRILL TUBE



53733R IH 5400
53732L CASE IH 5400 DRILL
(RIGHT & LEFT)



53742 SUN 9400
SUNFLOWER 9400 DRILL
TUBE



53741 NOBEL RS
NOBEL RS DRILL TUBE



53658 GX SST-NAS
NOBEL AIR SEEDER



18160 GX SSTORTHMAN1TRIPPER
ORTHMAN 1 TRIPPER



53746 GX SSTLANDOLL
LANDOLL DRILL TUBE
(HARDWARE KIT PN#38325)



53765 S5-6100
WHITE PLANTER DRILL TUBE



18196 GX SSTT260WHITE FOR WHITE
6000 SERIES PLANTER



JOHN DEERE PLANTERS - CALL FOR PRICING

JOHN DEERE PLANTER TANK KIT

- Brackets are custom designed for each planter
- Laser cut and powder coated to withstand the most demanding conditions
- All tanks are pre-measured



GX TBTM CENTER FILL KIT*

- PN# 38385



Plumbing kits
and different
configurations
available.

Order separately
*Not included with
tank

AGXCEL PN#	PLANTER DESCRIPTION	TANK SIZE
54220	JD 1760/1765 12R 30 in	2 X 200 GALLON ELLIPTICAL
53851	JD 1770 (1995-2004) NON-NT 16R 30 in	300 GALLON ELLIPTICAL
53852		400 GALLON ELLIPTICAL
53853		500 GALLON ELLIPTICAL
569	JD 1770NT/1775NT 16R 30 in (row boxes)	300 GALLON ELLIPTICAL
583		400 GALLON ELLIPTICAL
577		500 GALLON ELLIPTICAL
584		750 GALLON ELLIPTICAL
53849	JD 1770NT/1775NT CCS 12R 30 in	300 GALLON ELLIPTICAL
53850		400 GALLON ELLIPTICAL
55135		500 GALLON ELLIPTICAL
53851	JD 1770NT/1775NT CCS 16R 30 in	300 GALLON ELLIPTICAL
53852		400 GALLON ELLIPTICAL
53853		500 GALLON ELLIPTICAL
55232		750 GALLON ELLIPTICAL
55251	JD 1770NT/1775NT CCS 16R 30 in w/o markers	750 GALLON ELLIPTICAL
40390	JD 1770NT/1775NT CCS 24R 30 in	300 GALLON ELLIPTICAL
40397		400 GALLON ELLIPTICAL
53854		500 GALLON ELLIPTICAL
53874		750 GALLON ELLIPTICAL

PLEASE NOTE: AgXcel does **NOT** accept any liability for damage to planters due to fluid or weight capacities determined to be in excess of the limits that the original planter manufacturer states is acceptable for their specific make and model.

NOTE: For plumbing kit options see pages 57 - 61.

JOHN DEERE PLANTERS - CALL FOR PRICING

AGXCEL PN#	PLANTER DESCRIPTION	TANK SIZE
54218	JD 1770NT/1775NT 12R WING TANKS	2 X 150 GALLON ROUND
54217		2 X 200 GALLON ROUND
54214	JD 1770NT/1775NT 16R WING TANKS	2 X 150 GALLON ROUND
54215		2 X 200 GALLON ROUND
55252	JD 1770NT/1775NT 24R WING TANKS	2 X 150 GALLON ROUND
55253		2 X 200 GALLON ROUND
55254	JD 1770NT/1775NT 24R WING TANKS (row boxes)	2 X 150 GALLON ROUND
55087		2 X 200 GALLON ROUND
589	JD 1770NT/1775NT12R & 16R 30 in (row boxes)	300 GALLON YELLOW ELLIPTICAL
53855	JD 1790/1795 12/23R 15 in	300 GALLON ELLIPTICAL
53556		400 GALLON ELLIPTICAL
53858	JD 1790/1795 16/31R 15 in	300 GALLON ELLIPTICAL
53886		400 GALLON ELLIPTICAL
53868		500 GALLON ELLIPTICAL
53870	JD 1790/1795 24R 20 in	300 GALLON ELLIPTICAL
53869		400 GALLON ELLIPTICAL
53868		500 GALLON ELLIPTICAL
55105	JD 1790/1795 WING TANKS	2 X 100 GALLON ROUND
54212	JD DB 60'	300 GALLON ELLIPTICAL
54213		400 GALLON ELLIPTICAL
53872		500 GALLON ELLIPTICAL
40398		750 GALLON ELLIPTICAL
54216	JD DB 80' / 90' / 120'	400 GALLON ELLIPTICAL
53873		500 GALLON ELLIPTICAL
53874		750 GALLON ELLIPTICAL
20103		850 GALLON ELLIPTICAL
55255	JD DB WING TANKS PRE-2012	2 X 150 GALLON ROUND
55257		2 X 200 GALLON ROUND
55256	JD DB WING TANKS 2012 AND NEWER	2 X 150 GALLON ROUND
55258		2 X 200 GALLON ROUND
54031	JD DB 1890/1990	300 GALLON ELLIPTICAL
54032		400 GALLON ELLIPTICAL
54033		500 GALLON ELLIPTICAL
54034	JD 1590 15 in	300 GALLON ROUND

Order separately

*Not included with tank

GX FILL KIT*

- PN# 17642



Plumbing kits and different configurations available.

NOTE: For plumbing kit options see pages 57 - 61.



AGXCEL PN#	PLANTER DESCRIPTION	TANK SIZE
54038	CASE IH 500 30FT	300 GALLON ELLIPTICAL
54039		400 GALLON ELLIPTICAL
54040		500 GALLON ELLIPTICAL
54041	CASE IH 500 40FT	300 GALLON ELLIPTICAL
54042		400 GALLON ELLIPTICAL
54043		500 GALLON ELLIPTICAL
53887	CASE IH 1250 12R 30in	300 GALLON ROUND
53888	CASE IH 1250 16R 30in	300 GALLON ROUND
53889		400 GALLON ROUND
55237	CASE IH 1250 24R 30in	300 GALLON ELLIPTICAL
55238		400 GALLON ELLIPTICAL
54474		500 GALLON ELLIPTICAL (gray)
55236		500 GALLON ELLIPTICAL (white)
40403	CASE IH 1255 12R 30 in	300 GALLON ROUND
54219	CASE IH 1255 16R 30 in	300 GALLON ELLIPTICAL
53891		300 GALLON ROUND
53892		400 GALLON ROUND
54444	CASE IH 1255 12R 30 in (row boxes)	400 GALLON ELLIPTICAL
40404	CASE IH 1255 24R 30 in	300 GALLON ELLIPTICAL
40405		400 GALLON ELLIPTICAL
53893		500 GALLON ELLIPTICAL (gray)
55239		500 GALLON ELLIPTICAL (white)
53894		750 GALLON ELLIPTICAL (gray)
55240		750 GALLON ELLIPTICAL (white)
54221	CASE IH 1260/1265 60'	300 GALLON ELLIPTICAL
54222		400 GALLON ELLIPTICAL
54223		500 GALLON ELLIPTICAL (gray)
55241		500 GALLON ELLIPTICAL (white)
55242		750 GALLON ELLIPTICAL (gray)
55224		750 GALLON ELLIPTICAL (white)
54225	CASE IH 1260/1265 80' & 90'	400 GALLON ELLIPTICAL
53893		500 GALLON ELLIPTICAL (gray)
55239		500 GALLON ELLIPTICAL (white)
53894		750 GALLON ELLIPTICAL (gray)
55240		750 GALLON ELLIPTICAL (white)
54213	CASE IH 2150 24R 30 in	300 GALLON ELLIPTICAL
54244		400 GALLON ELLIPTICAL
17727		500 GALLON ELLIPTICAL (gray)
17718		500 GALLON ELLIPTICAL (white)
55945		750 GALLON ELLIPTICAL (gray)
55928		750 GALLON ELLIPTICAL (white)



CASE IH TANK KIT

- Brackets are custom designed for each planter
- Laser cut and powder coated to withstand the most demanding conditions
- All tanks are pre-measured

PLEASE NOTE: AgXcel does **NOT** accept any liability for damage to planters due to fluid or weight capacities determined to be in excess of the limits that the original planter manufacturer states is acceptable for their specific make and model.

NOTE: For plumbing kit options see pages 57 - 61.

KINZIE PLANTER TANK KIT

KINZIE PLANTERS - CALL FOR PRICING

- Brackets are custom designed for each planter
- Laser cut and powder coated to withstand the most demanding conditions
- All tanks are pre-measured

PLEASE NOTE: AgXcel does **NOT** accept any liability for damage to planters due to fluid or weight capacities determined to be in excess of the limits that the original planter manufacturer states is acceptable for their specific make and model.

NOTE: For plumbing kit options see pages 57 - 61.



AGXCEL PN#	PLANTER DESCRIPTION	TANK SIZE	# of TANKS
55247	KINZE 3000 6/11R (single frame only)	150 GALLON ROUND	1
55249		200 GALLON ROUND	1
55248		150 GALLON ROUND	2
55250		200 GALLON ROUND	2
53917	KINZE 3200 12R 30 in	200 GALLON ELLIPTICAL	2
53918	KINZE 3500 8/15R 15 in	100 GALLON ROUND	2
54569	KINZE 26XX/36XX (non-interplant)	100 GALLON ROUND	2
40415		150 GALLON ROUND	2
53926		200 GALLON ROUND	2
53918	KINZE 2600/3600 PRE-2010 INTEPLANT	100 GALLON ROUND	2
53923	KINZE 3600 2010 & NEWER (Interplant & boxes)	100 GALLON ROUND	2
40411		150 GALLON ROUND	2
53920		200 GALLON ROUND	2
53921	KINZE 3600 2010 & NEWER (Interplant & ASD)	100 GALLON ROUND	2
40413		150 GALLON ROUND	2
40410		200 GALLON ROUND	2
53922	KINZE 3660 (Interplant and Boxes or ASD)	100 GALLON ROUND	2
53924		150 GALLON ROUND	2
53925		200 GALLON ROUND	2
54226	KINZE 4900 12R 30 in	300 GALLON ROUND	1
54227		400 GALLON ROUND	1
55244	KINZE 4900 16R 30 in	300 GALLON ELLIPTICAL	1
55245		400 GALLON ELLIPTICAL	1
54230		500 GALLON ELLIPTICAL (gray)	1
55243		500 GALLON ELLIPTICAL (white)	1
54228	KINZE 4900 24R 30 in	300 GALLON ELLIPTICAL	1
54229		400 GALLON ELLIPTICAL	1
55246		500 GALLON ELLIPTICAL (gray)	1
53881		500 GALLON ELLIPTICAL (white)	1



WHITE PLANTERS - CALL FOR PRICING

WHITE PLANTER TANK KIT

- Brackets are custom designed for each planter
- Laser cut and powder coated to withstand the most demanding conditions
- All tanks are pre-measured



PLEASE NOTE: AgXcel does **NOT** accept any liability for damage to planters due to fluid or weight capacities determined to be in excess of the limits that the original planter manufacturer states is acceptable for their specific make and model.

AGXCEL PN#	PLANTER DESCRIPTION	TANK SIZE	# of TANKS
53896	WHITE 8816 16R 30 in	300 GALLON ELLIPTICAL	1
53897		400 GALLON ELLIPTICAL	1
53898	WHITE 8824 24R 30 in	300 GALLON ELLIPTICAL	1
53899		400 GALLON ELLIPTICAL	1
53900	WHITE 9816 16R 30 in	300 GALLON ELLIPTICAL	1
53901		400 GALLON ELLIPTICAL	1
53902	WHITE 9824 24R 30 in	300 GALLON ELLIPTICAL	1
53903		400 GALLON ELLIPTICAL	1
38197	WHITE 8816/9816 16R 30 in	250 GALLON SIDE MOUNT	2
54357	WHITE 88XX/98XX 16 & 24R 30 in w/o markers	300 GALLON ELLIPTICAL	1
54358		400 GALLON ELLIPTICAL	1
54389		500 GALLON ELLIPTICAL	1

GX5 FILL KIT*

- PN# 54564



Plumbing kits and different configurations available.

Order separately
*Not included with tank

NOTE: For plumbing kit options see pages 57 - 61.

UNIVERSAL PLANTERS - CALL FOR PRICING

UNIVERSAL PLANTER TANK KIT

- Brackets are custom designed for each planter
- Laser cut and powder coated to withstand the most demanding conditions
- All tanks are pre-measured
- 2 - 200 gallon wing mount universal tanks shown below on an 1790 Planter



PLEASE NOTE: AgXcel does **NOT** accept any liability for damage to planters due to fluid or weight capacities determined to be in excess of the limits that the original planter manufacturer states is acceptable for their specific make and model.

AGXCEL PN#	PLANTER DESCRIPTION	TANK SIZE	# of TANKS
53914	UNIVERSAL (WHITE TANK)	100 GALLON ROUND	1
53915		150 GALLON ROUND	1
53916		200 GALLON ROUND	1
54003	UNIVERSAL (YELLOW TANK)	100 GALLON ROUND	1
54232		150 GALLON ROUND	1
54233		200 GALLON ROUND	1

GX5 FILL KIT*

- PN# 54564

Order separately
*Not included with tank



Plumbing kits and different configurations available.

NOTE: For plumbing kit options see pages 57 - 61.



DRILL TANK KIT

- Brackets are custom designed for each drill
- Laser cut and powder coated to withstand the most demanding conditions
- All tanks are pre-measured

PLEASE NOTE: AgXcel does **NOT** accept any liability for damage to drills due to fluid or weight capacities determined to be in excess of the limits that the original drill manufacturer states is acceptable for their specific make and model.

AGXCEL PN#	PLANTER DESCRIPTION	TANK SIZE	TANK COLOR
JOHN DEERE			
54031	JD 1890/1990	300 GALLON ELLIPTICAL	YELLOW
54032		400 GALLON ELLIPTICAL	
54033		500 GALLON ELLIPTICAL	
54034	JD 1590 15'	300 GALLON ROUND	
54063		400 GALLON ROUND	
LANDOLL			
54035	LANDOLL 5530/5531	300 GALLON ELLIPTICAL	WHITE
54036		400 GALLON ELLIPTICAL	
54037		500 GALLON ELLIPTICAL	
CASE IH / NEW HOLLAND			
54038	CASE IH 500/500T 30FT NEW HOLLAND P2080/P2085 30FT	300 GALLON ELLIPTICAL	WHITE
54039		400 GALLON ELLIPTICAL	
54040		500 GALLON ELLIPTICAL	
54041	CASE IH 500/500T 40FT NEW HOLLAND P2080/P2085 40FT	300 GALLON ELLIPTICAL	
54042		400 GALLON ELLIPTICAL	
54043		500 GALLON ELLIPTICAL	
CRUSTBUSTER			
54046	CRUSTBUSTER 4030	150 GALLON ROUND	WHITE
GREAT PLAINS			
54047	GP 2S - 2600 / 2600HD & 3S - 3000	300 GALLON ELLIPTICAL	WHITE
54048		400 GALLON ELLIPTICAL	
54049	GP 3S - 4000	300 GALLON ELLIPTICAL	
54057		400 GALLON ELLIPTICAL	
54058	GP 3S - 5000	300 GALLON ELLIPTICAL	
54059		400 GALLON ELLIPTICAL	
54060		500 GALLON ELLIPTICAL	
SUNFLOWER			
54061	SUNFLOWER 9433, 9434 & 9435	300 GALLON ELLIPTICAL	WHITE
54062		400 GALLON ELLIPTICAL	



NOTE: For plumbing kit options see pages 57 - 61.

360 Dash

Fertilizer Application System

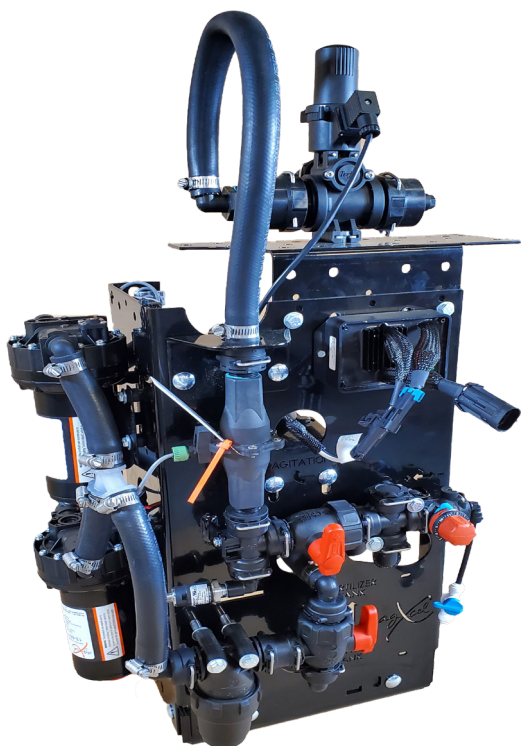
ROBUST * RELIABLE * SIMPLE

Introducing...

AgXcel & 360 Yield Center have partnered together to provide an optimized fertilizer pump system for the 360 DASH in-furrow fertilizer system.

Custom made specifically for 360 DASH, several components have been added to make applying starter fertilizer as simple and as trouble free as possible. These components include...

- Pressure Transducers on both the inlet and outlet of the pump.
- A Master Ball Valve to hold pressure.
- A 50PSI Pressure Regulator to ensure you never build too much pressure.
- Two Positive Displacement Diaphragm Pumps to ensure consistent application at the rows.
- A Turbine Flow Meter to accurately dispense and adjust rate as needed.
- Two filters to prevent plugging the pumps.
- AgXcel's Custom PWM to lock in on all desired rates.



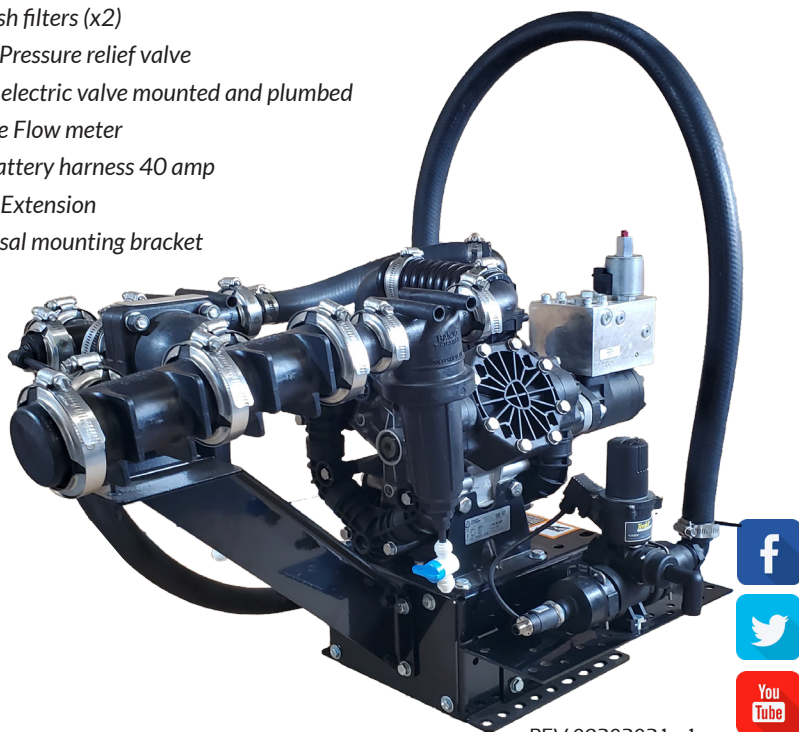
The customized Dash unit built to Yield 360 center requirements and included in each kit is:

- GX2C Dual Electric or GX5 Hydraulic Unit
- Pressure Transducer kit (x2)
- 50 mesh filters (x2)
- 50 psi Pressure relief valve
- 2-way electric valve mounted and plumbed
- Turbine Flow meter
- 20ft battery harness 40 amp
- Power Extension
- Universal mounting bracket



Features:

- Both Electric & Hydraulic Diaphragm Pumps available
- Easily controlled through the 360 Yield Center Dash App
- Backed by AgXcel's Customer Support Team



REV:09202021.v1



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