

GX6

Dual MicroTube Manifold



MICRO TUBE AVAILABLE

AGX13400		GX6MT - PINK (PER ROW = 8FT)
AGX13401		GX6MT - YELLOW (PER ROW = 8FT)
AGX13402		GX6MT - GREY (PER ROW = 8FT)
AGX13403		GX6MT - NAVY BLUE (PER ROW = 8FT)
AGX13404		GX6MT - BROWN (PER ROW = 8FT)
AGX13405		GX6MT - SKY BLUE (PER ROW = 8FT)
AGX13406		GX6MT - GREEN (PER ROW = 8FT)
AGX13407		GX6MT - PURPLE (PER ROW = 8FT)
AGX13408		GX6MT - ORANGE (PER ROW = 8FT)
AGX13409		GX6MT - RED (PER ROW = 8FT)
AGX13410		GX6MT - BLACK (PER ROW = 8FT)
AGX13425		GX6MT - FUSHIA 38 OD (PER ROW = 8FT)
AGX13426		GX6MT - BEIGE 38 OD (PER ROW = 8FT)

RATES CANNOT BE QUANTIFIED IF USING LESS AND/OR MORE THAN RECOMMENDED 8FT CUTS PER ROW.



CALCULATOR

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



Check out our you-tube playlist for GX6 related videos.



GX6

Dual MicroTube Manifold

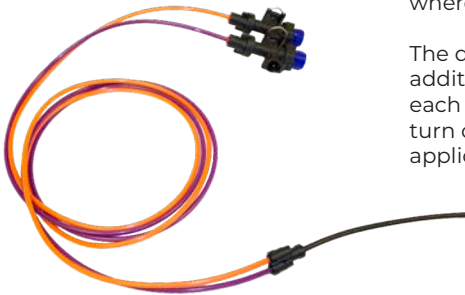


Standard orifice



Micro Tube

13 sizes available



The AgXcel GX6 system utilizing a dual micro tube manifold is a great way to plumb an implement to apply starter fertilizer. The GX6 system will also work on other implements when applying low rates of fertilizer and/or high viscosity solutions.

This system will contain everything required to plumb the manifold portion of your system all the way down to the furrow,

These instructions will show you where all the components go. There are some optional fittings included in each plumbing kit. However, the following pages will show you where and why you would need the optional pieces.

The dual body assembly is an important part in the dual micro tubing manifold design. In addition to a check valve to prevent fertilizer from draining when the system is shut off, each check valve has an on/off valve on top of it. These on /off valves allow the operator to turn on only tube 1, only tube 2, or both tube 1 and 2. This provides for three different application ranges.

Dual Manifold Benefits

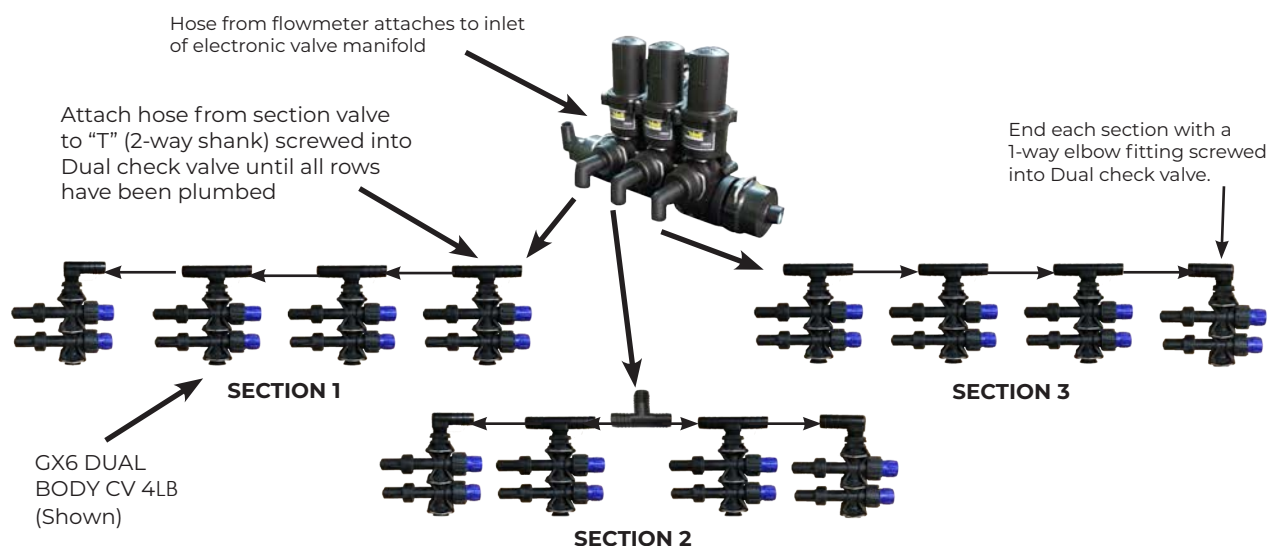
Microtubing provides a larger passage way diameter than a comparable orifice. For a 5 GPA rate on 30" rows, a size 0.046" orifice would be used. For the same rate a 0.110" meter tube that is 8' long would be used. This 8' tube with more than twice the diameter creates a fertilizer system resistant to plugging while providing excellent row to row distribution.

This general diagram (pg. 3) shows the GX6 assembly mounted on a planter toolbar. The check valve and bracket are very flexible in their mounting. The GX6 can mount behind, directly over, or in front of the toolbar. The GX6 can be put in the bracket facing up & down or sideways. In addition the steel bracket could be rotated 90 degrees and clamp around the bar, the multiple slots in the bracket are used to mount to any tube 7x7 inches or smaller. Study your planter to determine the best GX6 mounting to use on each row.

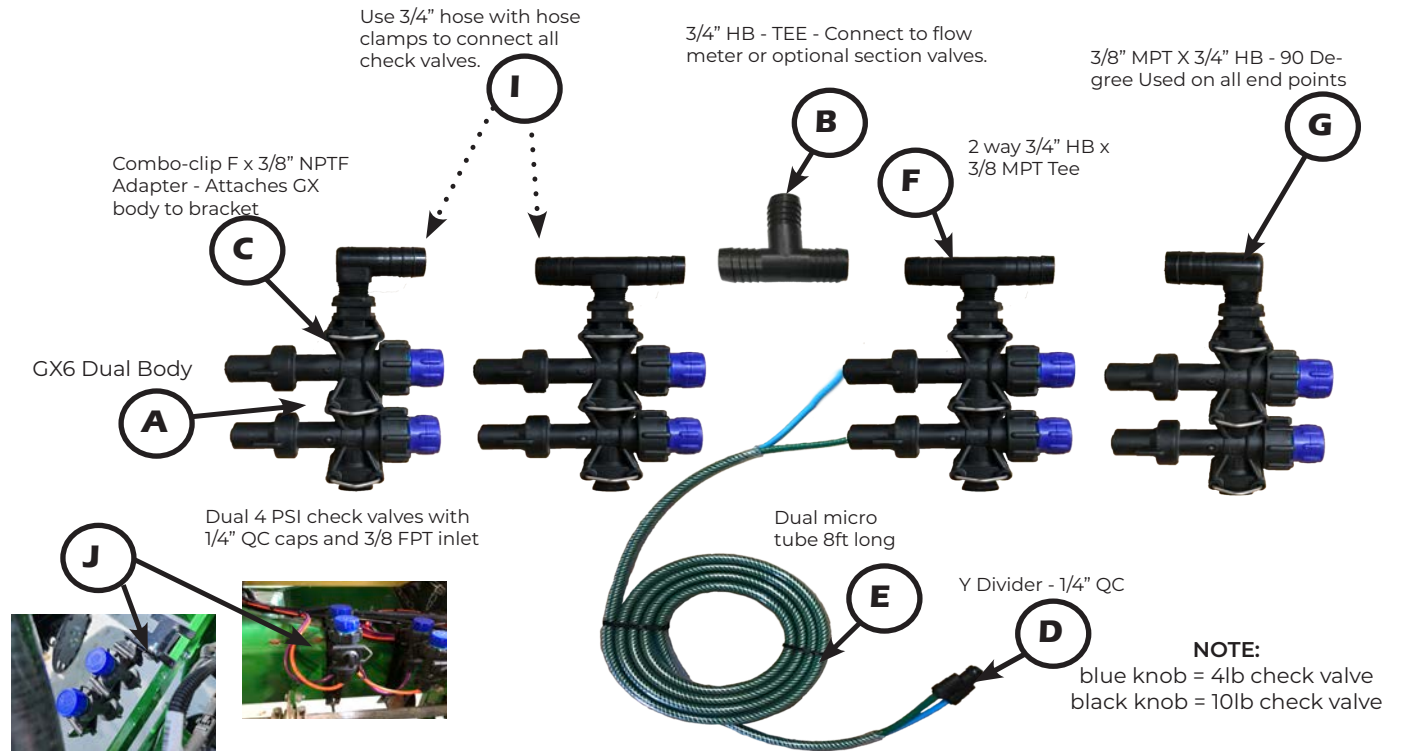
MICRO TUBES		
AGX13400		GX6MT - PINK (PER ROW = 8FT)
AGX13401		GX6MT - YELLOW (PER ROW = 8FT)
AGX13402		GX6MT - GREY (PER ROW = 8FT)
AGX13403		GX6MT - NAVY BLUE (PER ROW = 8FT)
AGX13404		GX6MT - BROWN (PER ROW = 8FT)
AGX13405		GX6MT - SKY BLUE (PER ROW = 8FT)
AGX13406		GX6MT - GREEN (PER ROW = 8FT)
AGX13407		GX6MT - PURPLE (PER ROW = 8FT)
AGX13408		GX6MT - ORANGE (PER ROW = 8FT)
AGX13409		GX6MT - RED (PER ROW = 8FT)
AGX13410		GX6MT - BLACK (PER ROW = 8FT)
AGX13425		GX6MT - FUSHIA 3/8 OD (PER ROW = 8FT)
AGX13426		GX6MT - BEIGE 3/8 OD (PER ROW = 8FT)
*LIMITED STOCK. RATES CANNOT BE QUANTIFIED IF USING LESS AND/OR MORE THAN RECOMMENDED 8FT CUTS PER ROW.		

Sectional Plumbing Diagram

12 Row Planter layout

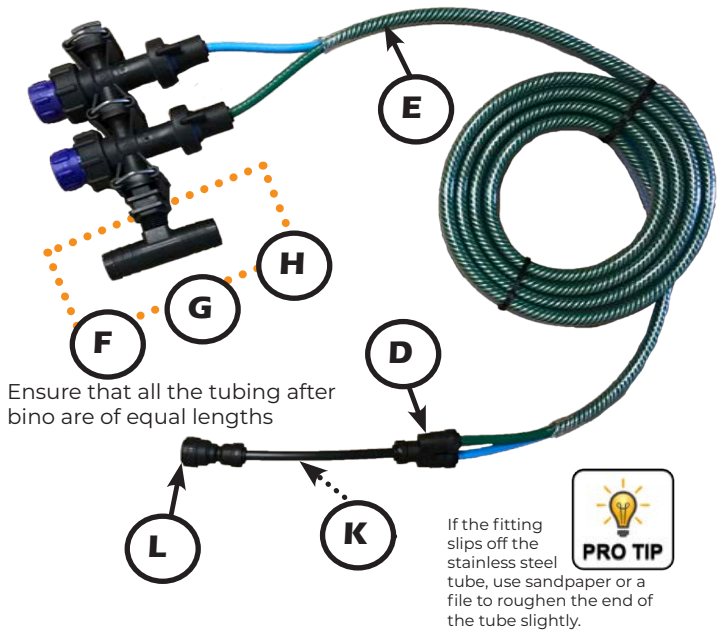


Center section is fed at the center by a 3-way hose barb shank tee. Terminate this section on ends with a 1-way shank.



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.



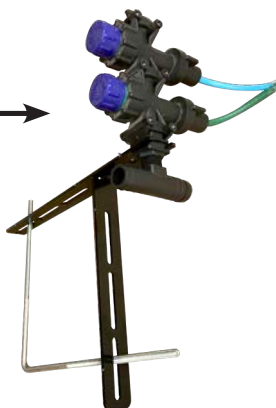
A	AGX55162	GX6_DUALBODYCHKVALVE4# (BODY ONLY - NO INLETS)
	AGX55005	GX6_DUALBODYCHKVALVE10# (BODY ONLY - NO INLETS)
B	AGX15	3/4" 3 WAY SHANK
C	AGX26427	WILGER F x 3/8"NPTF ADAPTER
D	AGX20121	1/4" QC DIVIDER
	ALT. OPTION 3/8" OD APPLICATOR	
	AGX54011	3/8" QC DIVIDER
	AGX54010	1/4" X 3/8" REDUCER
	AGX20808	ST4 - 3/8 STEM TO 3/8 HB SHANK
E	GX6MT MICRO TUBING - SEE CHART pg. 2 11 - 1/4 OD SIZES 8FT PER ROW 2 - 3/8 OD SIZES 8FT PER ROW (HIGHER VOLUME)	
F	AGX26148	3/4" 2 WAY SHANK
G	AGX26147	3/4" HOSE SHANK
H	AGX26149	3/4" 3 WAY SHANK (NOT SHOWN)
I	AGX13393	3/4" BLACK HOSE - 50FT PRE-CUT
	AGX19646	SST #12 CLAMPS
J	AGX54044	GX6_1ROW BRACKET KIT
	AGX57093	GX6 PARRALLEL CV MOUNT KIT

K	AGX13395	EVA14 - 1/4" TUBING - 100FT - SOLD IN PRE-CUT ROLLS
	AGX13396	EVA38 - 3/8" TUBING BLACK 100FT - SOLD IN PRE-CUT ROLLS
	AGX13397	EVA38 - 3/8" TUBING ORANGE 100FT - SOLD IN PRE-CUT ROLLS
L	AGX262	QC3 = 1/4 PTC TO 1/4 PTC
	AGX38240	QC7 = 3/8 PTC TO 1/4 PTC
	AGX20407	QC15 = 3/8 PTC TO 3/8 PTC

GX6 TOOLBAR BRACKET KIT PN# AGX54044

EXAMPLE 1:

Use the long bracket on the top of a bar. The check valve is mounted vertically. The liquid supply hose is ran directl on the front side of the bar. The "L" bolt is placed in slots to clamp on a 4 x 6 inch tube.

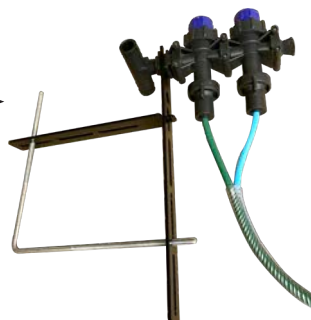


TOOLBAR STYLE



EXAMPLE 2:

Use the long bracket on the rear of a bar. The check valve is mounted over the top of the bar. The supply line would run above and behind the bar. The short bracket is placed in the notch to mount the check valve closer to the bar.



EXAMPLE 3:

Use the long bracket on the front of a 3 x 7 bar (vacuum tube on some planters). Mount the check valve hanging forward of the bar. The supply line will run directly over the bar. The excess bolt and bracket length can be cut off.

ASSEMBLY STEPS

STEPS TO MOUNT EACH CHECK VALVE TO MOUNTING BRACKET

1. Screw the 3/8" MPT x 3/4" HB tee or elbow into the check valve using blue thread sealer. Orient the hose barb to run the 3/4" hose down the planter tool bar.
2. Insert the check valve into the "C" notch in the end of the bracket, according to how you want the check valve to mounded on your planter. Orient the wire clips up or to the side for easiest access.
3. Slide the small "C" clamp bracket around the check valve to lock it in place.
4. Install the 1/4" bolt and nut to secure the "C" clamp plate around the check valve.
5. Mount the check valve on the bar. Hold the check valve and long bracket assembly on the toolbar. Slide the tab on the front of the short bracket into the upper or lower notch on the long bracket.
6. Slide the "L" bolt into the appropriate slots on the brackets for your toolbar size. Tighten the 1/4" nuts to hold the bracket in place.

Clamp Bracket

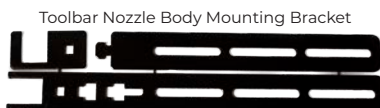


2 notch options for tab on short bracket

Long Bracket

Short Bracket

"L" Bolt



Toolbar Nozzle Body Mounting Bracket

The long, short & clamp bracket comes as one part connected by break-off tabs.

Parallel Bar Mounting option

GX6 PARALLEL ARM BRACKET KIT PN# AGX57093



PARALLEL STYLE
VERSATILITY

GX6 KIT - PN#AGX57093		
SOLD SEPARATELY	WILGER CHECK VALVE STYLE MAY VARY THAN WHAT IS SHOWN. CHECK VALVE IS NOT INCLUDED IN THIS KIT. MOUNTING OPTION ONLY	
HARDWARE	AGX53704	1/4-20 X 3/4 GR5 BOLT QTY 2
	AGX38407	1/4-20 SPIN LOCK NUT QTY 2
BRACKET	AGX17253	GX6_ALTMTBRKT (BRKT ONLY)

Tomahawk Mounting Add-on

8 ROW BRACKET KIT PN# AGX57059

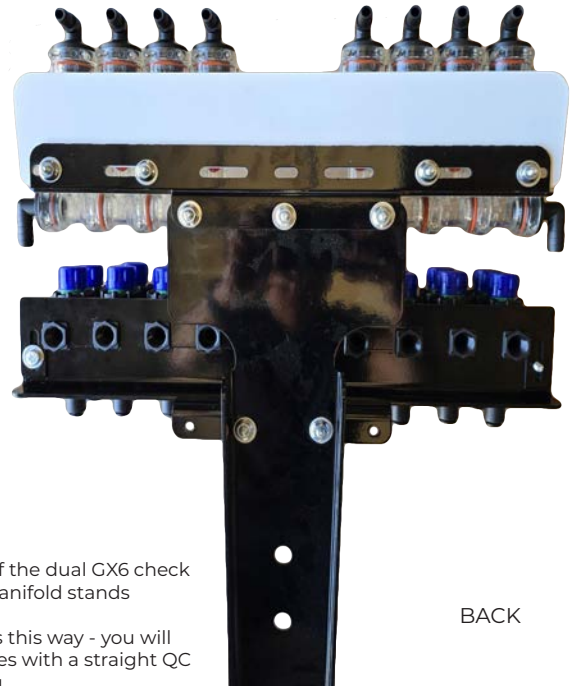
12 ROW BRACKET KIT PN# AGX57058

FLEXIBLE MOUNTING OPTIONS

GX6 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.



FRONT



BACK

Mount up to 8 rows or 12 rows of the dual GX6 check valves on your existing manifold stands

NOTE: When mounting valves this way - you will need to feed the GX6 Dual Bodies with a straight QC or HB fitting.



DEFAULT INLET ADAPTERS FROM VISUAL FLOW COLUMNS

AGX20395	QC13 = 1/4" QC TO 3/8" MALE NPTF
AGX32264	3/8" MNPT X 3/8" HB POLY

INSTALLATION TO STAINLESS STEEL TUBES

When using a 3/8" OD stainless steel tube to apply fertilizer to the ground, there are two options for delivery tube plumbing. If the stainless tube ID is less than 1/4" (poly tubing will not fit inside tube) this attachment method must be used:

1. Use the 1/4" x 3/8" QC fitting shown. Push the 3/8" end onto the stainless steel tube.
2. Use a short piece of 1/4" black poly tubing to connect the "Y" fitting to the 1/4" QC end of reducer fitting on the stainless steel tube.
3. Zip all tubing to the planter and row unit in as many locations possible

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.

IF FEEDING GX6 SYSTEM FROM A FLOATING BALL MANIFOLD

The inlet to each dual body will be dependant on the outlet on the visual indicators. The adapters noted below are available in the corresponding outlets.



PARALLEL STYLE



PARALLEL STYLE
VERSATILITY



TOOLBAR STYLE

ADDING GX6 TO EXISTING WILGERS NO BRACKET

INCLUDES:

- CV BODY (4LB or 10LB - SINGLE OR DUAL)
- INLET OPTIONS (3/8 QC, 3/8 HB or BARB TEE)
- END CAPS
- 1/4 QC OR 3/8 QC FLOW THRU QC CAPS FOR MT
- 1/4QC BINO OR FOR MT COMBINE **OR** 3/8 QC BINO TO 1/4QC FOR MT COMBINE IF USING HIGH VOLUME 3/8 MT SIZES.

DOES NOT INCLUDE ANY BRACKETING, POLY TUBING, HOSE, CLAMPS, ORIFICES OR METERING TUBES

PN#	DESCRIPTION
AGX54826	1 ROW SINGLE BODY WITH NO BRACKET (4LB OR 10LB SINGLE VALVE) - ALL INLET TYPES
AGX54475	1 ROW DUAL BODY WITH NO BRACKET (4LB OR 10LB DUAL VALVE) - ALL INLET TYPES

ADDING GX6 TO EXISTING WILGERS WITH BRACKET

INCLUDES:

- CV BODY (4LB or 10LB- SINGLE OR DUAL)
- INLET OPTIONS (3/8 QC, 3/8 HB or BARB TEE)
- END CAPS
- 1/4 QC OR 3/8 QC FLOW THRU QC CAPS FOR MT
- CUSTOM MOUNTING BRKT W/HARDWARE
- 1/4QC BINO OR FOR MT COMBINE **OR** 3/8 QC BINO TO 1/4QC FOR MT COMBINE IF USING HIGH VOLUME 3/8 MT SIZES.

DOES NOT INCLUDE ANY POLY TUBING, HOSE, CLAMPS, ORIFICES OR METERING TUBES

PN#	DESCRIPTION
AGX54476	1 ROW SINGLE BODY WITH TOOLBAR BRKT (4LB OR 10LB SINGLE VALVE) - ALL INLET TYPES
AGX53604	1 ROW SINGLE BODY WITH PARALLEL BRKT (4LB OR 10LB SINGLE VALVE) - ALL INLET TYPES
AGX53616	1 ROW DUAL BODY WITH TOOLBAR BRKT (4LB OR 10LB DUAL VALVE) - ALL INLET TYPES
AGX53617	1 ROW DUAL BODY WITH PARALLEL BRKT (4LB OR 10LB DUAL VALVE) - ALL INLET TYPES



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.

GX6 COMPONENTS	
AGX26330	GX6 10LB THRU VALVE BODY (NO CAPS or LOCK CLIPS)
AGX26612	GX6 4LB THRU VALVE BODY (NO CAPS or LOCK CLIPS)
AGX26337	GX6 10LB END VALVE BODY (NO CAPS or LOCK CLIPS)
AGX37592	GX6 4LB END VALVE BODY (NO CAPS or LOCK CLIPS)
AGX38171	1/4 QC RADIAL CAP
AGX54260	3/8 QC RADIAL CAP
AGX25682	CLIP/FORK ONLY
AGX26427	3/8 FNPT COMBO ADAPTER W/FORK
AGX26331	GX6 MAN ON/OFF 10LB (BLK-CAP ONLY)
AGX53583	GX6 MAN ON/OFF 4LB (BLUE-CAP ONLY)
AGX26455	COMBO END PLUG ONLY
AGX25714*	BUNA ORING FOR MAN ON/OFF CAP
AGX54538*	VITON ORING FOR MAN ON/OFF CAP
AGX26410	FKM DIAPHRAGM (NEW STYLE)
AGX25799*	BUNA DIPHRAGM (OLD STYLE)
AGX25803*	VITON DIPHRAGM (OLD STYLE)
AGX19884	QC6 - 3/8' QC TO 1/4" MALE NPTF
AGX38240	QC7 - 3/8" QC TO 1/4" QC REDUCER
AGX54001	QC11 - 3/8 MNPT X 3/8QC ELBOW
AGX54442	QC14 - 3/8 MNPT X 1/4QC ELBOW
AGX20407	QC15 - 3/8" QC TO 3/8" QCADAPTER
AGX20121	1/4" QC BINO - DIVIDER
AGX54011	3/8" QC BINO - DIVIDER
AGX54010	1/4" QC - 3/8 STEM
AGX20808	ST4 - 3/8 HB = 3/8 STEM
AGX26147	3/4" 1WAY SHANK - 3/8 MNPT
AGX26148	3/4" 2WAY SHANK - 3/8 MNPT
AGX26149	3/4" 2WAY SHANK - 3/8 MNPT
AGX53664*	TOOLBAR STYLE "L" BOLT ONLY
AGX53653*	TOOLBAR STYLE MOUNT BRKT ONLY
AGX54044	TOOLBAR STYLE MOUNT BRKT KIT
AGX17253	PARALLEL STYLE MOUNT BRKT ONLY
AGX57093	PARALLEL STYLE MOUNT BRKT KIT
This item is not kept in stock, and will have to be ordered in from the manufacturer when order is placed.	



TOOLBAR STYLE



PARALLEL STYLE



This is a parts index of our most common components and replacement parts for ease of ordering. If you do not see the component used in your kit, please contact our office for assistance.

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.



GX6 COMPONENTS	
AGX55005	GX6 10LB DUAL BODY (ASSEMBLED - BLACK - CV ONLY)
AGX55162	GX6 4LB DUAL BODY (ASSEMBLED - BLUE - CV ONLY)
AGX54051	EMERGENCY PLUMB KIT
AGX55159	GX6 10LB SINGLE BODY (ASSEMBLED - BLACK - CV ONLY)
AGX55353	GX6 10LB SINGLE BODY (ASSEMBLED - BLACK - CV ONLY)
AGX32264	3/8" MNPT X 3/8" HB POLY
AGX32343	3/8" MNPT X 3/8" HB ELBOW
AGX20395*	QC13 - 1/4" QC TO 3/8" MNPT
AGX37678*	QC38 - 3/8" QC TO 3/8" MNPT
AGX26355	END BODY ONLY NO PSI
AGX26354	THRU BODY ONLY NO PSI
AGX57059	8R GX6 BRKT KIT
AGX54839	EXTENDED SWIVEL KIT
AGX57054	8R UPPER BRKT ONLY
AGX57053	8R LOWER BRKT ONLY
AGX57058	12R GX6 BRKT KIT
AGX57055	12R UPPER BRKT ONLY
AGX57056	12R LOWER BRKT ONLY
This item is not kept in stock, and will have to be ordered in from the manufacturer when order is placed.	

NOTE: THIS MOUNTING STYLE WILL REQUIRE INLET FITTING ON GX6 BODY BE STRAIGHT NOT A ELBOW - EXAMPLE QC38

8R GX6 BRKT KIT
PN# AGX57059



PLACEMENT WILL REQUIRE EXTENDED SWIVEL KIT
PN# AGX54839





877.218.1981

www.agxcel.com

**2106 F Avenue
Kearney NE 68847**