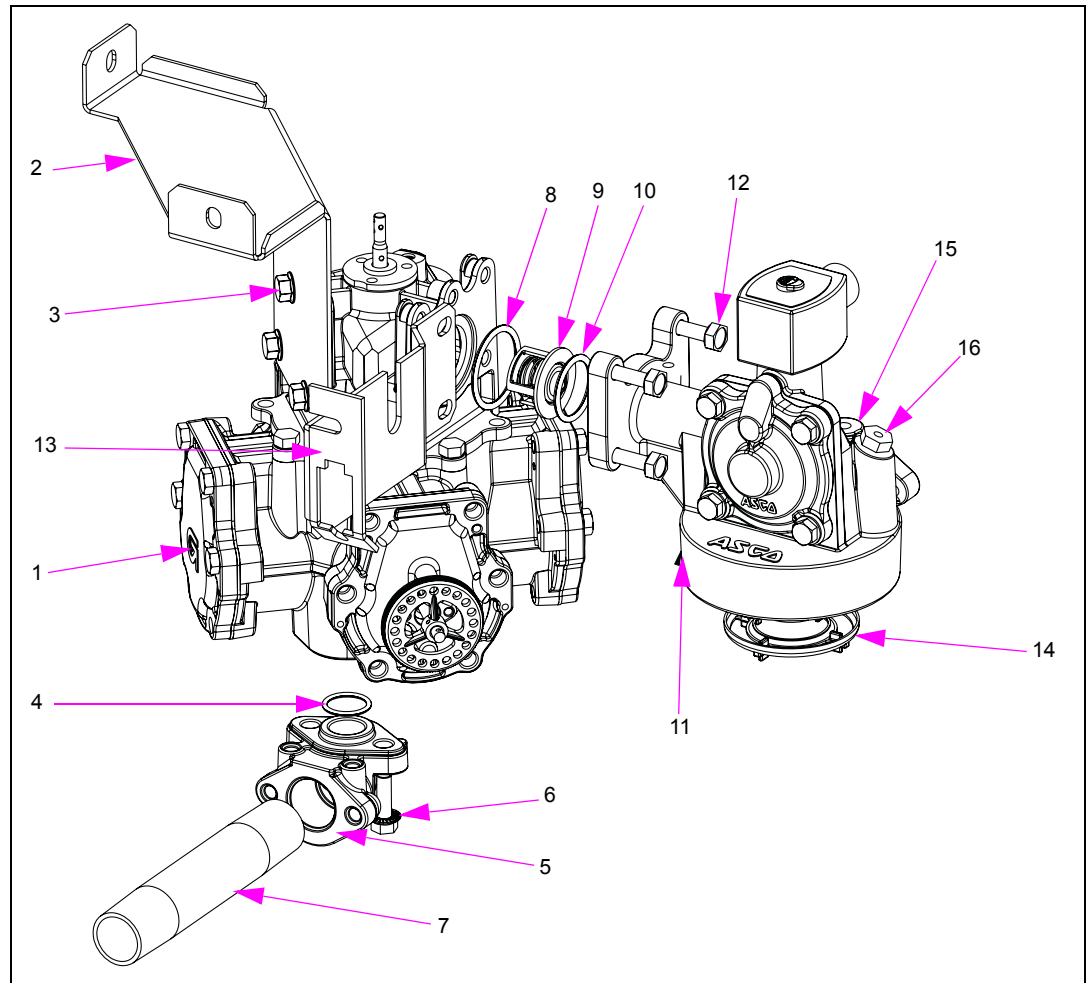


6 – Hydraulic Area Section

Upper Hydraulics - Meter, Manifold, and Valve

Center Flow Through (CFT) Meter, Manifold, and Valve Assembly



Note: Quantities are in per meter.

Item #	Part Description	Current Part	Previous Part	Quantity
1	CFT Meter Assembly Electronic	T20150-G5	-	1
	CFT Meter Assembly Mechanical Gallons	T20150-G6	-	1
	CFT Meter Assembly Mechanical Liters	T20150-G7	-	1
2	Bracket Meter Manifold Support	M04259B001	-	1
3	Screw, Hexagonal Serrated Flange Head 5/16 - 18 X 0.62	Q10253-02	-	3
4	O-ring, 0.862 X 0.104 X 0.103	N16891-32	-	1
5	Fitting, Discharge Meter X Hose	M04624B020	-	1
	Fitting Discharge, Super-Hi	M04624B040	-	1

Item #	Part Description	Current Part	Previous Part	Quantity
6	Screw, Metric M8 X 25	M00415B011	-	2
7	1-inch STD Pipe X 6.75	R11495-38	-	1
8	O-ring, 1-5/8 X 1-7/8 X 1/8	Q10068-14	-	1
9	Assembly Meter Check Valve	K94254-01	-	1
10	O-ring, 1-1/4 X 1-1/2 X 1/8	Q10068-09	-	1
11	2-stage Solenoid Valve and Filter Manifold	Refer to "Valve and Manifold Options (Item 11)"	-	-
12	Bolt, Hexagonal Head SEMS, 5/16 - 18 X 1" LG	Q10865-36	-	4
13	Bracket Meter Stabilizer and Hose Retriever	M06217B001	-	1
14	Strainer Insert High Capacity	R19457	-	1
15	Resistance Temperature Detectors (RTD) Probe Assembly (Canada Retail Only)	Q13131-01	-	1
16	Thermowell, Meter Cover (Canada Retail Only)	Q13130-01	-	1
Not Shown - For 9140 only				
-	Pipe Plug C-sunk 1/8 (Canada Commercial Only)	K44283	-	2
-	Pipe Plug C-sunk 1/8	K46444	-	2
-	Angle Bracket	M07342B001	-	1
-	Screw, 5/16 X 7/8	Q11889-15	-	5

Valve and Manifold Options (Item 11)

Part Description	Current Part	Previous Part	Quantity
Valve and Manifold 120 V	M04607B001	-	1
Valve and Manifold 220 V	M04607B002	-	1
Valve and Manifold 120 V with Automatic Temperature Compensation (ATC)	M04607B003	-	1
Manifold, no Valve*	M04607B005	-	1
Manifold, no Valve with ATC*	M04607B006	-	1
*Super-Hi and High Flow with Satellite Feed.			

Fuel Filter Options

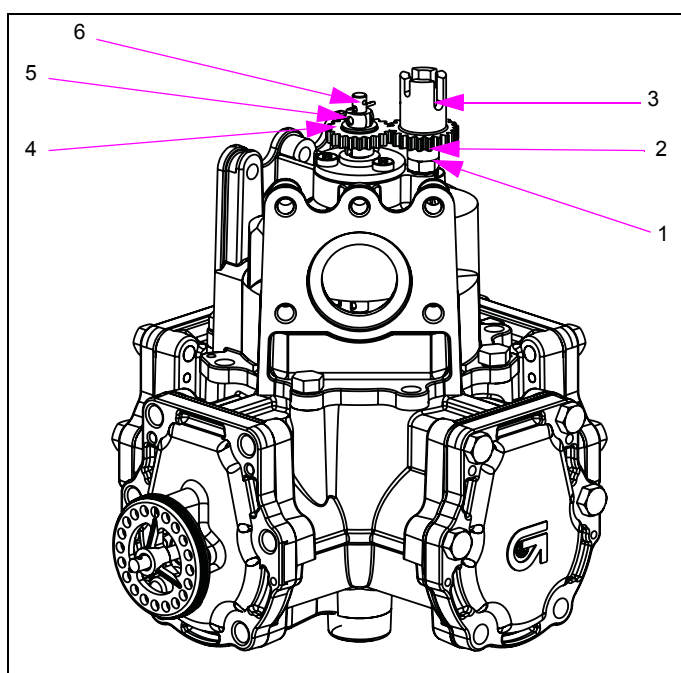
Fuel filter options quantities are 1 per meter/manifold.

Filter Description	Gasboy Part Number	Cim-Tek® Part Number
400-10 High Flow Particulate - 10 Micron	R18189-10	70015
400-30 High Flow Particulate - 30 Micron	R18189-30	70016
400HS-10 High Flow Water Alert - 10 Micron (obsolete, see notes 1 and 2)	R20039	70060
400HS-30 High Flow Water Alert - 30 Micron (see note 2)	G026019	70065
400MB-10 High Flow Alcohol Monitor - 10 Micron (see note 3)	R19736-10	70120
Manifold Strainer (see note 4)	R19457	N/A
Filter Cap - No Filter	R18896-G2	R18896-G1

Notes:

1. R20039 is replaced by M08007B010.
2. Water alert filters are for use with gasoline, ether blended fuels and diesel fuel. Not for use with alcohol blended fuels.
3. Alcohol monitor filter are for use with ethanol blended fuels containing up to 20% ethanol. not for use with any other fuels.
4. Manifold strainer use is highly recommended with use of filter cap.
5. Fuel filter option listed here are for protection of dispenser components. Fuel filter options listed here are not sufficient for filtering aviation fuel.

Meter Gears - Mechanical Models

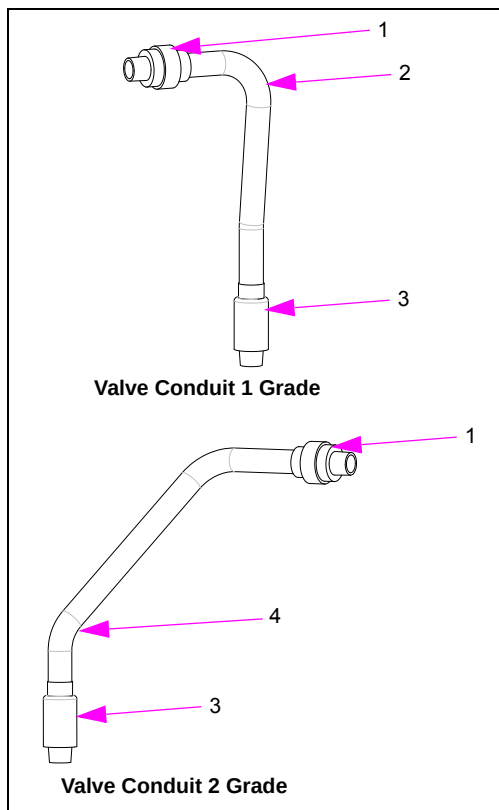


Item #	Part Description	Current Part	Previous Part	Quantity
1	Lockwasher External Thread 1/4 X 0.025	K50411-31	-	1
2	Stud, Drive Gear	N23567	-	1
3	Assembly Driven Gear - US Gallons	M07296A001	-	1
	Assembly Driven Gear - IMP Gallons	M07340A001	-	1
	Assembly Driven Gear - Liters	K55152	-	1

Item #	Part Description	Current Part	Previous Part	Quantity
4	Drive Pinon - US Gallons	M07298B003	-	1
	Drive Pinon - IMP Gallons	M07341B003	-	1
	Drive Pinon - Liters	K55151-21	-	1
5	Swivel Ball	K93546-01	-	1
6	Pin Cotter 1/16 X 1/2 Stl	K02124	-	1

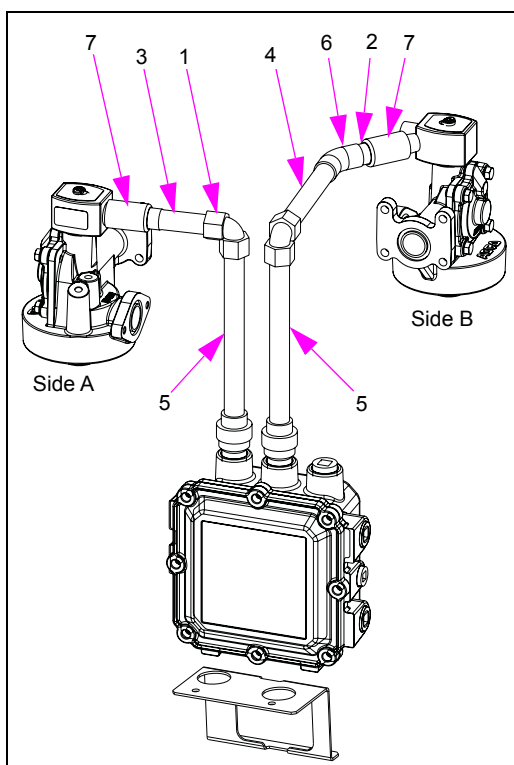
Solenoid Valve Conduit

Note: Units built after February 21, 2012.



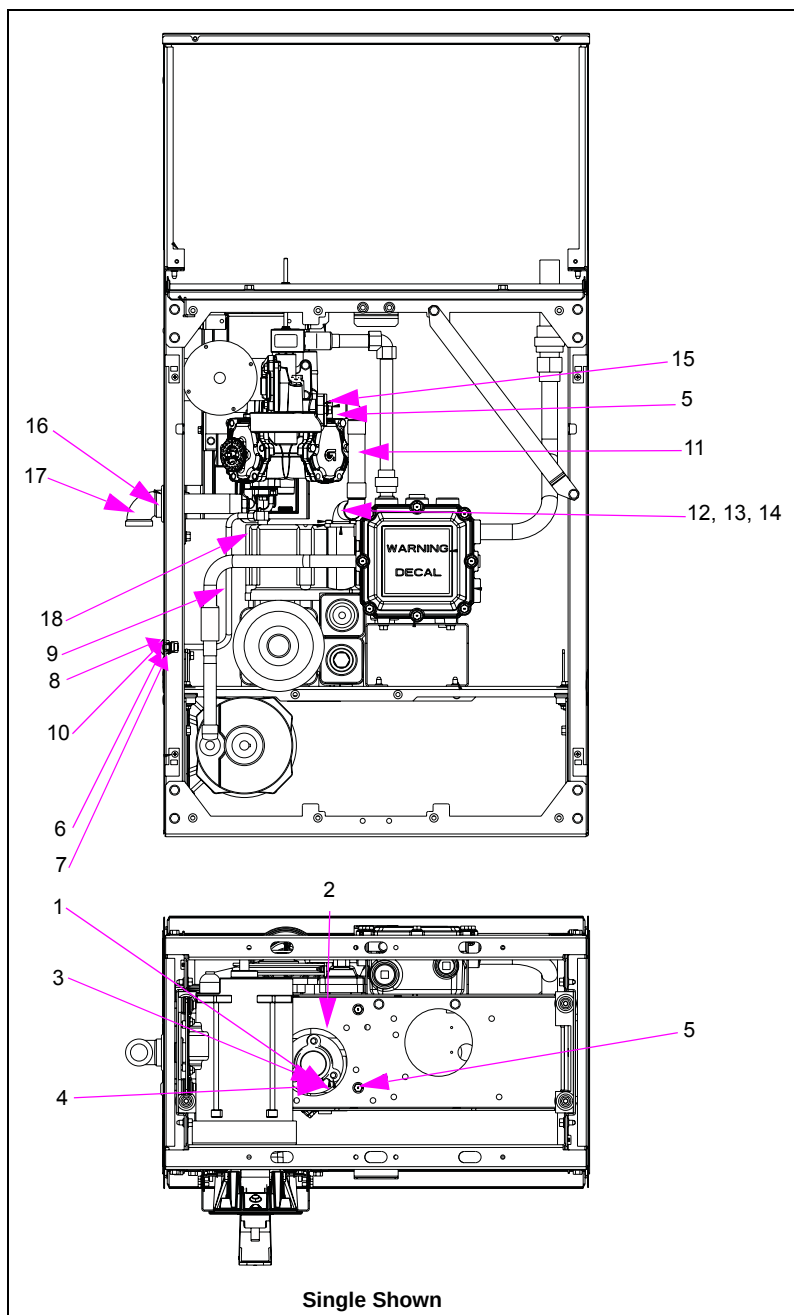
Item #	Part Description	Current Part	Previous Part	Quantity
1	Union, Conduit M X F	Q10016-04	-	2
2	Valve Conduit	M12315B001	-	1
3	Expansion Union (Conduit)	N16289-20	-	2
4	Valve Conduit	M12315B003	-	1

Note: Units built before February 21, 2012.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Conduit Elbow 1/2" National Pipe Thread (NPT) 90°	K42428	-	2
2	Conduit 1/2" X 1-1/8	R11976-39	-	1
3	Conduit 1/2" X 3-1/4	R11976-52	-	1
4	Conduit 1/2" X 6-3/8	R11976-67	-	1
5	Conduit 1/2" X 9-1/8	R11976-76	-	2
6	Conduit Elbow 1/2" X 45	K49306	-	1
7	Expansion Union (Conduit)	N16289-20	-	2

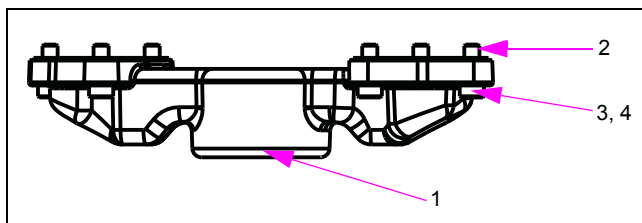
Lower Hydraulics - Self-contained



Note: Quantities are in per grade.

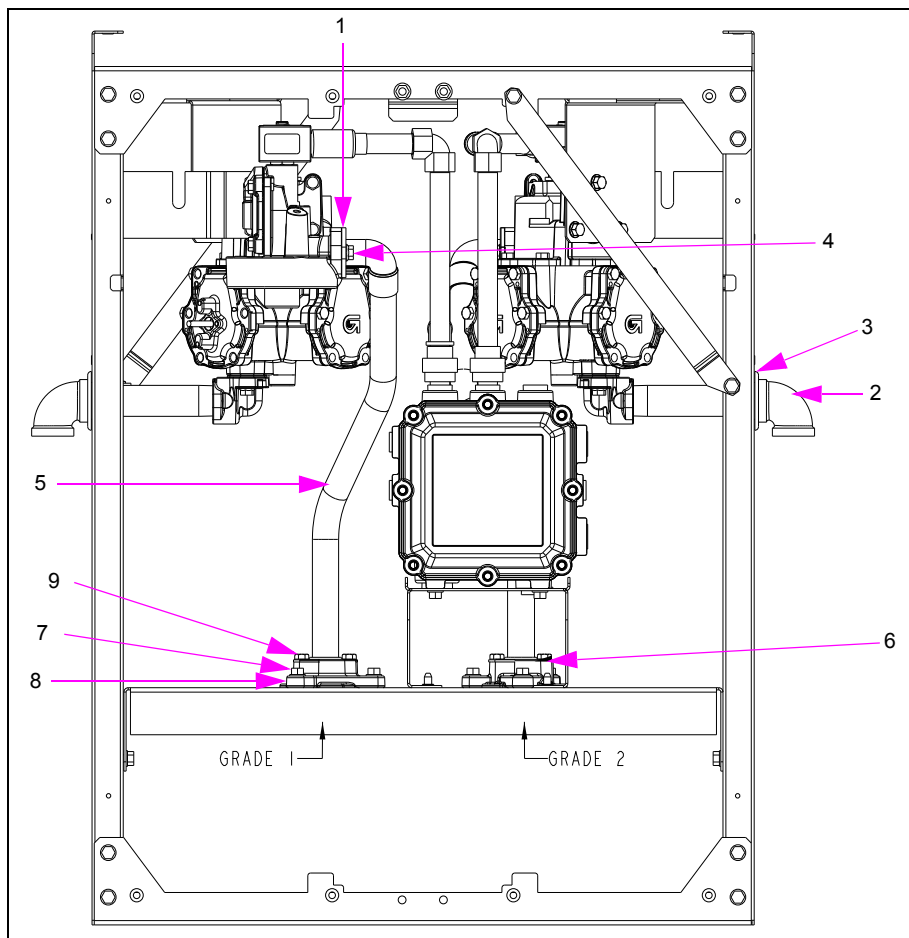
Item #	Part Description	Current Part	Previous Part	Quantity
1	O-ring, 2.37 X 0.103	Q10067-31	-	1
2	Adaptor - EP2 Inlet	G023146	-	1
3	Lockwasher Metric M10 Zinc Plate	M01071B001	-	3
4	Socket Head Cap Screw, M10 X 25	M04973B005	-	3
5	Screw, Metric M8 X 16	M00415B009	-	8
6	Ferule Compression	K43260	-	2
7	Nut, Compression Fitting	Q12505-01	-	2
8	Finished Hexagonal Check Nuts	Q10985-02	-	1
9	Tube, Sump Vent	M07391B001	M04754B001	1
10	Fitting, Sump Vent	N21861-02	-	1
11	Feedline Assembly Single 1 Grade	M04830A001	-	1
	Feedline Assembly Dual 1 Grade	M04831A001	-	1 per Unit
12	O-ring, 1-1/8 X 1-3/8 X 1/8	Q10068-07	-	1
13	Pump Discharge Flange	M04686B001	-	1
14	Socket Head Cap Screw, M6 X 26	M04973B001	-	2
15	O-ring 1-1/4 X 1-1/2 X 1/8	Q10068-09	-	1
16	Grommet, Discharge 1-inch, Pipe	G028960	-	1
17	Elbow 1-inch, X 50°, Painted	G024895	-	1
18	Gilbarco Global Pumping Unit (GPU)	M04920B003	M04920B001	1
Not Shown				
-	V-belt 4L290	R06711-52	-	1
<i>Note: For details on motor and conduit, refer to</i> <i>"Self-contained Motors - 8700, 8800, 9100, 9840, 9852/53" on page 8-3.</i>				

Inlet Manifold - TW1-M and Super-Hi Models



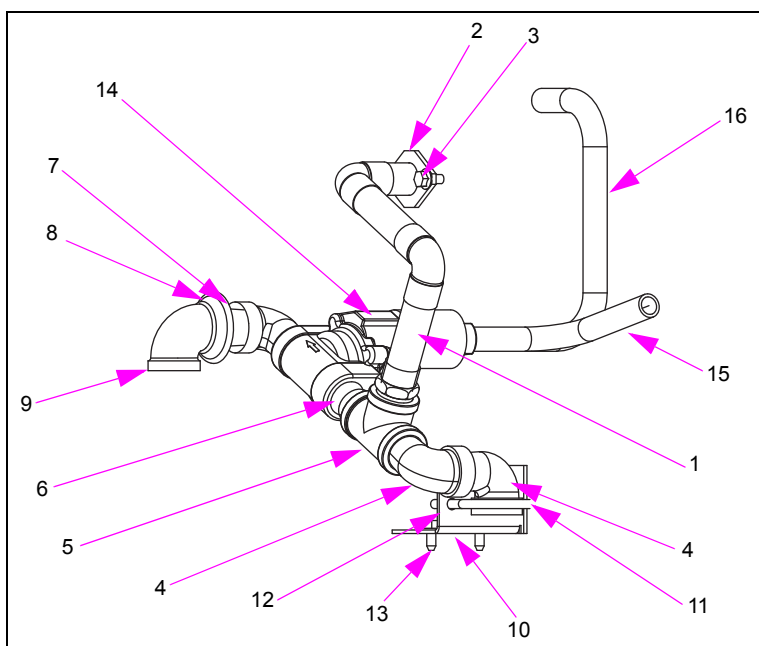
Item #	Part Description	Current Part	Previous Part	Quantity
1	Inlet Manifold, Twin Pump	M05347B010	-	1
2	Gasket, Twin Manifold	M06101B001	-	2
3	Lockwasher Metric M10 Zinc Plate	M01071B001	-	6
4	Socket Head Cap Screw, M10 X 25	M04973B005	-	6

Lower Hydraulics - Dispenser



Item #	Part Description	Current Part	Previous Part	Quantity
1	O-ring, 1-1/4 X 1-1/2 X 1/8	Q10068-09	-	1 per Hose
2	Elbow 1-inch X 90° Painted	G024895	-	1 per Hose
3	Grommet, Discharge 1-inch Pipe	G028960	-	1 per Hose
4	Screw, Metric M8 X 16, Serrated Flange Head	M00415B009	-	2 per Hose
5	Feedline Assembly Dispenser 1GR 1HS	M13978A001	M05646A001	1 per Grade
6	O-ring, 1-1/8 X 1-3/8 X 1/8	Q10068-07	-	1 per Grade
7	Flange, Feedline, Compression	M04662B001	-	1 per Grade
8	Inlet Adapter Dispenser	M05582B010	-	1 per Grade
9	Screw, Metric M8 X 16, Hexagonal Head with Extension Tooth Lockwasher (SEMS)	M05230B009	-	2 per Grade
Not Shown				
-	Feedline Assembly Dispenser 1GR 2HS	M05647A001	-	1 per Unit

9153 and 9853 Satellite Discharge Piping - Dispenser Only

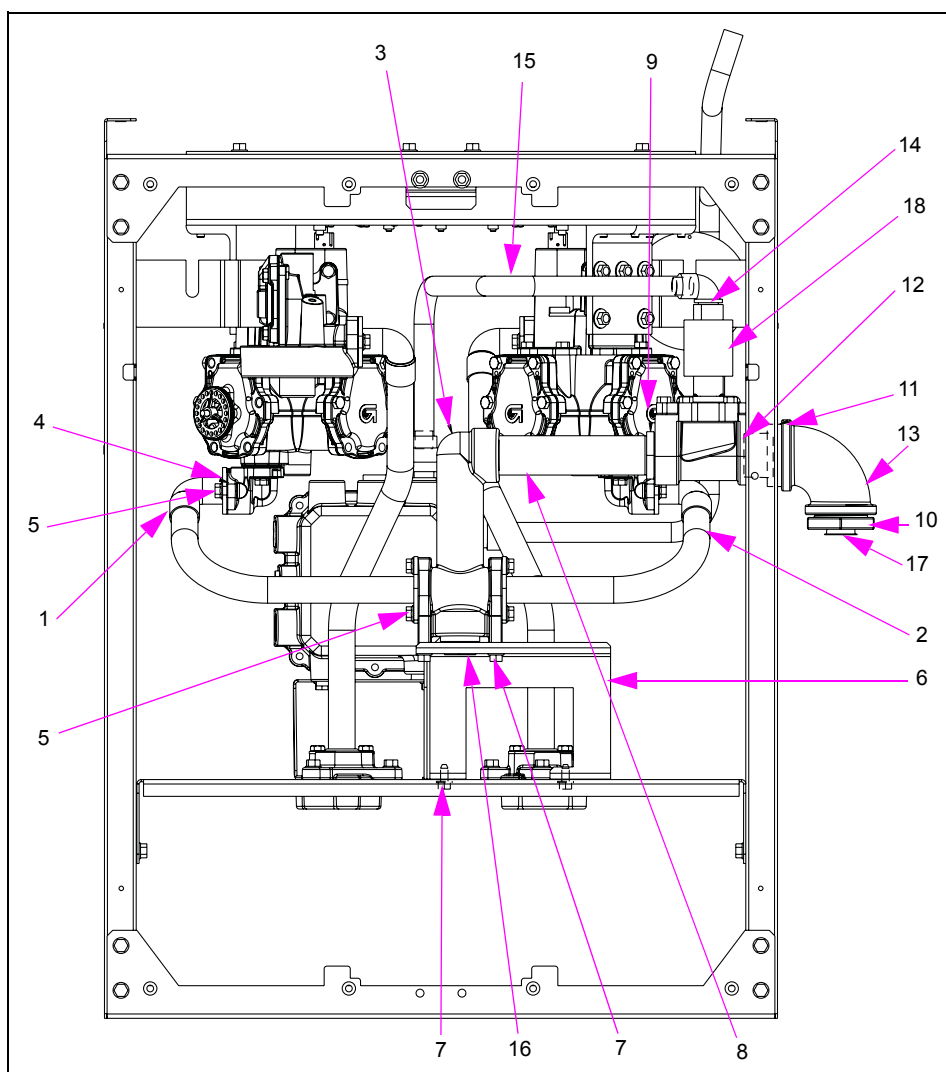


Following parts are only used on units with satellite outlet:

Item #	Part Description	Current Part	Previous Part	Quantity
1	Discharge Line Assembly	M05677A001	-	1
2	O-ring, 1-1/4 X 1-1/2 X 1/8	Q10068-09	-	1
3	Screw, Metric Serrated Flange Hexagonal Head	M00415B009	-	2
4	Elbow Street, 90°	K02321-20	-	3
5	Tee Pipe 1 X 1 X 1	K12630	-	1
6	1-inch Standard Pipe and Nipple 1 X 2	R11495-51	-	1
7	1-inch Standard Pipe and Nipple 1 X 1 1/2	R11495-20	-	1
8	Grommet, Discharge 1-inch Pipe	G028960	-	1
9	Painted Elbow, 1-inch X 90°	G024895	-	1
10	Bracket Piping Support, SAT OUT	M05690B001	-	1
11	U-bolt, Metric M8	M00703B002	-	1
12	Nut, Metric M8 Serrated Flange	M00414B003	-	2
13	Screw, Metric Thread Forming, Hexagonal Washer Head and Pozidrive Pan-head M8 X 18	M00417B009	-	2
14	Solenoid Valve, 1-inch 2 Stage	-	-	-
	• 115 V Solenoid Valve	G067034	-	1
	• 230 V Solenoid Valve	G067036	-	1
15	Formed Conduit Valve 1 Grade	M05681B001	-	1
16	Formed Conduit Valve 2 Grade	M05680B001	-	1

Note: Figure and table show the parts for 1 grade. For 2 grade, quantity will be double.

9140K, 9840K Super-Hi Discharge Piping



Item #	Part Description	Current Part	Previous Part	Quantity
1	Discharge Line Assembly Super-Hi 1 Grade	M05560A001	-	1
2	Discharge Line Assembly Super-Hi 2 Grade	M05561A001	-	1
3	Hydraulic Manifold	M05552B010	-	1
4	O-ring, 1-1/4 X 1-1/2 X 1/8	Q10068-09	-	4
5	Screw, Metric M8 X 16	M00415B009	-	8
6	Bracket Manifold Support	M06244B001	-	1
7	Screw, Thread Forming, Hexagonal Washer Head M8 X 16	M00417B009	-	4
8	Nipple Std Pipe 1-1/4 X 7-9/16 inch NPT	R11494-68	-	1
9	Bushing, Hexagonal Reducer	K57268	-	1
10	Reducing Bushing Hexagonal 1-1/4 X 1	K02309-22	-	1
11	Discharge Grommet	G028975	-	1
12	Nipple FE Pipe 1-1/2 X 2.50 EH	R11493-52	-	1
13	Elbow, 1-1/2 X 1-1/4 X 90° Painted Red	Z07941	-	1
14	Elbow, 1/2 X 90M X F	K42448	-	1
15	Conduit, Valve	M07354B001	-	1
16	Pipe Plug Sq. Head 1-1/4	K02284	-	1
17	1-inch NPT Plug	K78953-27	-	1
18	Solenoid Valve 115 V	G067028	-	1
	Solenoid Valve 230 V	G067062	-	1

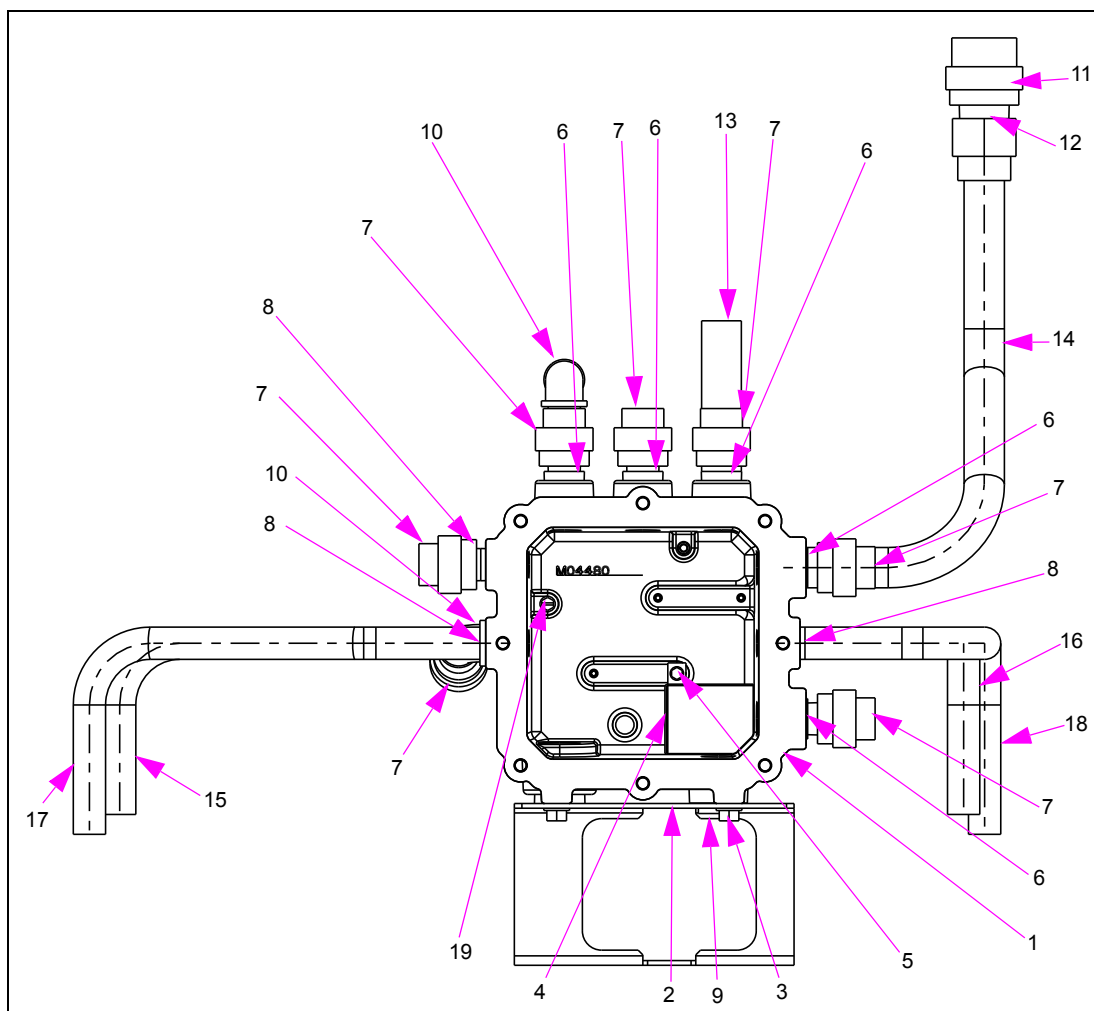
Note: The GPU inlet check valve is not included with the Bennet Pumping Unit GPU 90 (M04920B003) assembly for the Gasboy Atlas KTWIM twin hose, single product series units. You must order GPU Inlet Check Valve (M04920K109) if the existing check valve is defective.

WARNING

Atlas Model TW1M is equipped with check valves in the pump block. Any replacement pump block must have M04920K109 Check Valve installed by the service technician for proper operation.

Junction Box (J-box) - Parts, Unit Descriptions, and Options

J-box Parts



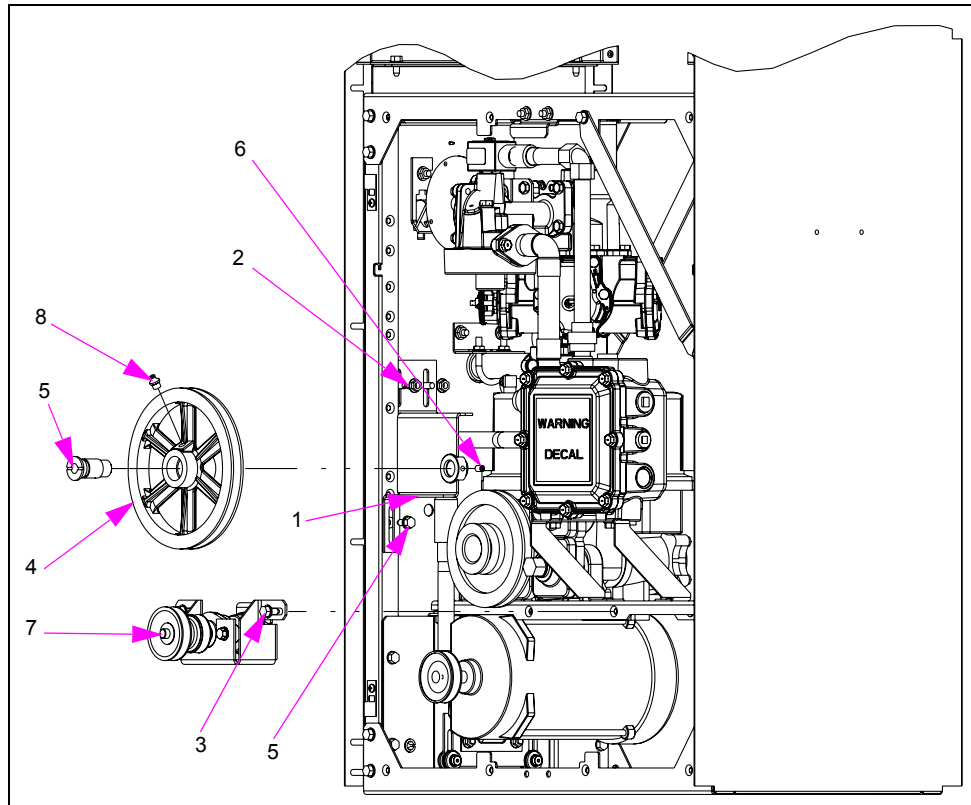
Item #	Part Description	Current Part	Previous Part
1	J-box	M04480B010	-
2	Bracket, J-box Mounting	M05776B001	-
3	Screw, Thread Forming, Hexagonal Washer Head M8 X 18	M00417B009	-
4	Bracket, J-box DC Shield	M05235B001	-
5	Screw, Thread Forming, Hexagonal Washer Head M4 X 8	M00417B113	-
6	Bushing, Reducing 3/4 - 1/2	K49827	-
7	Union, Conduit 1/2 inch	Q10016-04	-
8	Pipe Plug C-sunk 1/2	K43850	-
9	Pipe Plug C-sunk 3/4	K57624	-
10	Elbow, 1/2 X 90 M X F	K42448	-
11	Union, Conduit 1-inch	Q10016-03	-
12	Conduit Red Coup 1 X 3/4" NPT	M05084B001	-
13	Intrinsic Safety (I.S.) Barrier Assembly (115)	T19428-G1	-
14	Formed Conduit	M05338B001	-
15	Conduit, Motor 1 1 PH	M05038B001	-
16	Conduit, Motor 2 1 PH	M05039B001	-
17	Conduit, Motor 1 3 PH	M05048B001	-
18	Conduit, Motor 2 3 PH	M05049B001	-
19	Screw, Hexagonal, Thread Forming, Washer Head (10-32 X 1/2)	K85736-05	-
Not Shown			
-	Cover, J-box	M04536B010	-
-	Decal Warning	M05098B001	-
-	Screw, Metric M8	M00415B010	-

J-box - Unit Descriptions

Following table lists unit descriptions for J-boxes. The item numbers correspond to the where used information for parts listed in the parts table in “J-box Parts” on page 6-12.

		QUANTITY																														
ITEM	PART NO.	Mech Pump, 1G1H 1P	Mech Pump, 1G2H 1P	Mech Pump, 2G2H 1P	Mech Pump, 1G1H 3P	Mech Pump, 1G2H 3P	Mech Pump, 2G2H 3P	Mech Pump, Super-Hi 1P	Mech Pump, Super-Hi 3P	Mech Disp, 1H	Mech Disp, 2H	Mech Disp, Super-Hi	Mech Disp, HF 1H with Sat-out	Mech Disp, HF 2H with Sat-out	Elec Pump, 1G1H 1P	Elec Pump, 1G2H 1P	Elec Pump, 2G2H 1P	Elec Pump, 1G1H 3P	Elec Pump, 1G2H 3P	Elec Pump, 2G2H 3P	Elec Pump, Super-Hi 1P	Elec Pump, Super-Hi 3P	Elec Disp, 1H	Elec Disp, 2H	Elec Disp, HF 1H with Sat-out	Elec Disp, HF 2H with Sat-out	Elec Disp, Super-Hi	ATC Option	Mech Pulsar Option	DC Connection Option	Elec Disp, E85	
1	M04480B010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	
2	M05776B001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	
3	M00417B009	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	
4	M05235B001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
5	M00417B113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
6	K49827	1	3	3	1	3	3	1	1	1	3	1	-	2	1	2	2	-	2	-	1	1	1	1	2	-	1	1	-	1	1	-
7	Q10016-04	2	4	4	2	4	4	2	2	2	4	2	2	4	1	2	3	-	2	1	2	2	1	2	1	2	1	-	1	1	-	
8	K43850	1	1	-	1	1	-	-	-	2	2	2	1	1	2	2	1	2	2	1	1	1	3	3	2	2	3	-	-	-	3	
9	K57624	2	1	1	2	1	1	3	3	2	1	2	4	2	2	1	1	3	1	3	2	2	2	2	1	3	2	2	-	-	-	3
10	K42448	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	
11	Q10016-03	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	
12	M05084B001	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	
13	T19428-G1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
14	M05338B001	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	
15	M05038B001	1	1	1	-	-	-	1	-	-	-	-	-	-	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
16	M05039B001	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
17	M05048B001	-	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-	
18	M05049B001	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	
19	K85736-05	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	
Not Shown																																
-	M04536B010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	
-	M05098B001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	
-	M00415B010	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	-	-	-	-	
-	K51440	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	
Abbreviations:																																
1G1H		1 Grade 1 Hose																														
1G2H		1 Grade 2 Hose																														
2G2H		2 Grade 2 hose																														
1P		Single Hose																														
3P		3 Phase																														
with Sat-out with discharge piping for connection to satellite																																

Hand Drive Option - Mechanical Self-contained Pump Models Only



Note: Quantities are in per grade.

Item #	Part Description	Current Part	Previous Part	Quantity
1	Bracket, Hand Drive Pulley	M05567A001	-	1
2	Nut, Metric, Hexagonal Serrated Flange (M8)	M00414B003	-	2
3	Screw, Thread Forming, Hexagonal Washer Head M8 X 18	M00417B009	-	3
4	Pulley, Hand Drive	R13824-02	-	1
5	Stud, Pulley	K85561	-	1
6	Set Screw, 5/16-18 X 1/2 Hexagonal Set Head Cup Pkt	K18719	-	1
7	Assembly, Shaft and Hub Hand Drive	M05767A001	-	1
8	Hydraulic Fitting	K76145-21	-	1
Not Shown				
-	Belt V 4L 400	R06711-61	-	1
-	Belt V 4L 200	R06711-75	-	1
-	Hand Crank	N18539	-	1