

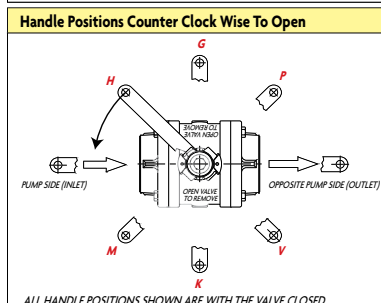
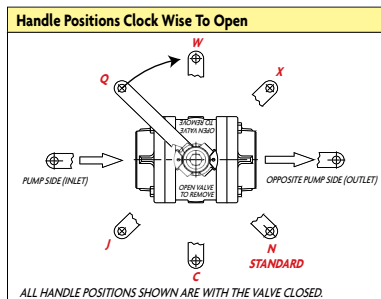
To place an order, state the style number, inlet and outlet adapters needed (always list inlet adapter first), and the type of handle/actuator. All threaded adapters require thread information. Rigid female adapters are available only with tapered pipe thread (NPT). Hose threaded adapters will be supplied with National Hose (NH) thread unless otherwise specified.

Style	Description	Ball Type	Actuators
8620	2" Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA
8625	2 1/2" Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA
8630	3" Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA
8635	3 1/2" Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA
8810	1" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, TS, TSC
8815	1 1/2" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, TS, TSC
8820	2" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC
8825	2 1/2" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC
8830	3" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC
8835	3 1/2" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC
8840	4" Heavy Duty "Self Locking" Swing-Out Valve	Bronze, Flat	Air, EA or GA
8910	1" Heavy Duty "Self Locking" Swing-Out Valve	Polymer	R1, TS, TSC
8915	1 1/2" Heavy Duty Swing-Out Valve	Polymer	R1, TS, TSC
8920	2" Heavy Duty Swing-Out Valve	Polymer	R1, TS, TSC, SZ, R/S, EA or GA
8925	2 1/2" Heavy Duty Swing-Out Valve	Polymer	R1, TS, TSC, SZ, R/S, EA or GA
8930	3" Heavy Duty Swing-Out Valve	Polymer	R1, TS, TSC, SZ, R/S, EA or GA
8935	3 1/2" Heavy Duty Swing-Out Valve	Polymer	R1, TS, TSC, SZ, R/S, EA or GA
8940	4" Heavy Duty Swing-Out Valve	Polymer	Air, EA or GA



Actuator/Handle

Actuator/Handle Type	Options Order Code
R1	R1
TS	TS
TSC	TSC
SZ	SZ
Gear Actuator	GA
Electric Actuator	EA
Rack & Sector	RS



**Inlet/Pump Side Adapter (See Adapter List)**

**Outlet Adapter (See Adapter List)**



**Valve Body**  
Select style number from chart

**Inlet Adapter**  
Select from adapter list

**Outlet Adapter**  
Select from adapter list

Enter "CH" to specify chrome option where available. Refer to adapter list for availability. Leave Blank for Standard Cast Finish

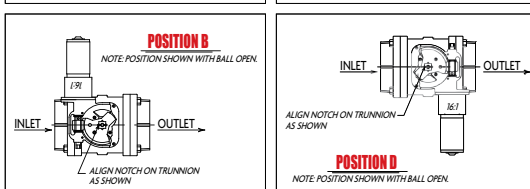
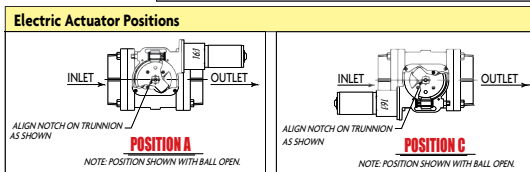
**Specify Actuator**  
Select from actuator chart above

**Specify Actuator Position**  
See chart at right for positions.  
"N" is standard for manual actuators

**Optional Slo-Cloz™**  
Enter "SC" to specify or leave blank for no Slo-Cloz

Example shown is a 2 1/2" valve with composite ball. It has a P1-S inlet adapter and a ME1-S outlet adapter, with chrome plating. The valve has a TS handle in standard position "N" and does not have Slo-Cloz installed.

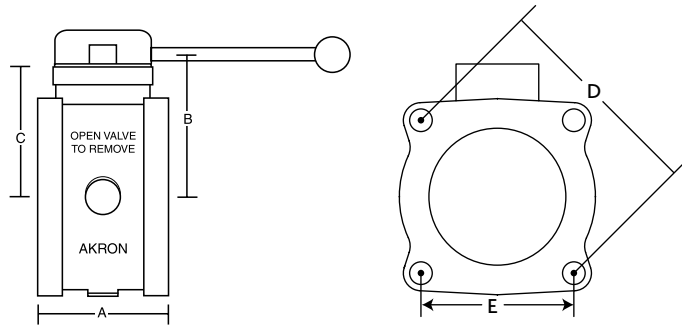
\* For special configurations, contact Akron Brass customer care





### VALVE TECHNICAL INFORMATION

#### BODY DIMENSION KEY

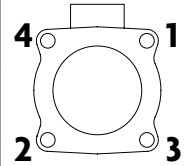


- A: Overall body length
- B: From centerline of waterway to centerline of handle
- C: From centerline of waterway to actuator mounting surface
- D: Bolt circle diameter for valve adapter holes
- E: Linear dimension for valve adapter holes

#### Torque Requirements Styles 8620-8635, 8810-8840 and 8910-8940

The following is to be used for torquing the hex head bolts which hold the adapters to the body.

VALVE	TORQUE REQUIREMENT
8810/8910	100-120 Inch Pounds
8815/8915	216-240 Inch Pounds
8620/8820/8920	25-30 Foot Pounds
8625/8825/8925	25-30 Foot Pounds
8630/8830/8930	38-40 Foot Pounds
8635/8835/8935	38-40 Foot Pounds
8840/8940	60-70 Foot Pounds

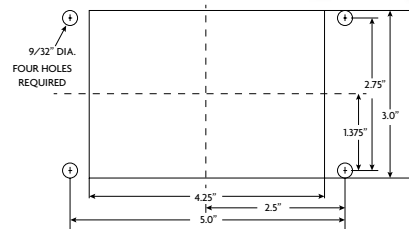


NOTE: Bolts are to be tightened evenly. Tighten opposite bolts in sequence as indicated below, not adjacent bolts in sequence. After all bolts are initially tightened, repeat the process in the same sequence.

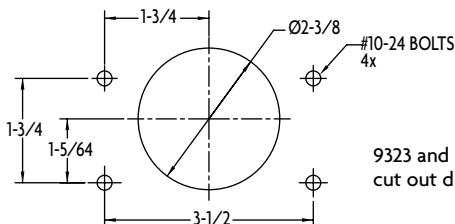
#### 8600, 8800 & 8900 Series Valves

STYLE	SIZE	A	B		C	D	E
			R-1	SZ			
8810 8910	1" (25 mm)	1 13/16" (46 mm)	2 25/64" (61 mm)	-	1 13/16" (46 mm)	2 3/4" (70 mm)	2" (51 mm)
8815 8915	1 1/2" (38 mm)	2 1/4" (57 mm)	3 3/16" (81 mm)	-	2 1/8" (54 mm)	3 1/2" (89 mm)	2 1/2" (64 mm)
8620 8820 8920	2" (51 mm)	3" (76 mm)	3 3/4" (95 mm)	4 5/32" (106 mm)	2 3/4" (70 mm)	4 1/2" (114 mm)	3 1/4" (82.55 mm)
8625 8825 8925	2 1/2" (64 mm)	3 1/2" (89 mm)	4 1/8" (105 mm)	4 3/16" (106 mm)	3 1/8" (79 mm)	5 3/8" (137 mm)	3 3/4" (95 mm)
8630 8830 8930	3" (76 mm)	4" (102 mm)	4 5/8" (105 mm)	4 9/16" (116 mm)	3 1/2" (89 mm)	6 1/8" (156 mm)	4 1/4" (107.95 mm)
8835 8935	3 1/2" (89 mm)	4" (102 mm)	4 1/2" (114 mm)	4 9/16" (116 mm)	3 1/2" (89 mm)	6 1/8" (156 mm)	4 1/4" (107.95 mm)
8840	4" (102 mm)	4" (102 mm)	-	-	4 1/8" (105 mm)	7 1/16" (179 mm)	5" (127 mm)
8940	4" (102 mm)	6" (152 mm)	-	-	4 1/8" (105 mm)	7 1/16" (179 mm)	5" (127 mm)

#### Cutout Dimensions Position Indicator

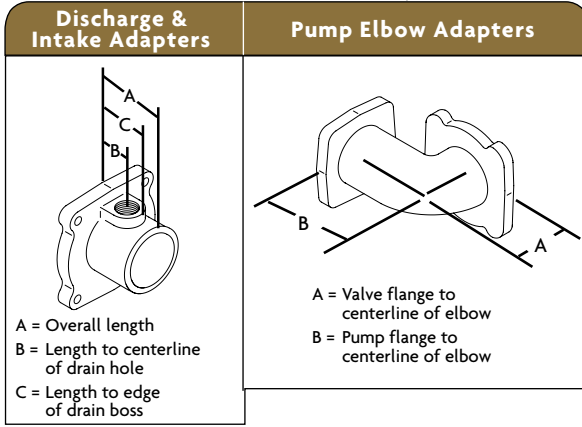


	Air Actuator		Handwheel Actuator			Rack & Sector		Slo-Cloz™		Electric	
Size	A	B	A	B	C	A	B	7875	7675	A	B
2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	-	-	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
2 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 1/2" (89 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
4"	7 1/2" (191 mm)	11 1/4" (286 mm)	12 7/16" (316 mm)	3 1/8" (79 mm)	6" (152 mm)	-	-	-	-	12 1/4" (311 mm)	4 1/8" (105 mm)



9323 and 9325 Valve Controller cut out dimensions

## Valve Dimension Key








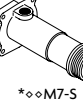







KEY	
*	1/4" and 1/2" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
↑	30° Angle
↑↑	90° Angle
↑↑↑	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap
◀	Non-standard items. May have longer lead times.

## Rigid NPT

STYLE		SIZE						
		1" (25 mm)	1 1/2" (38 mm)	2" (50 mm)	2 1/2" (65 mm)	3" (75 mm)	3 1/2" (89 mm)	4" (100 mm)
M1-S	A	1 21/32" (42 mm) ◀	1 5/16" (33 mm)	1 5/8" (41 mm)	2" (51 mm)	2 1/16" (52 mm)	-	2 21/32" (75 mm) ◀
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
M12-S	A	-	-	1 15/16" (49 mm)	-	3 3/4" (95 mm) ◀	-	-
	B	-	-	-	-	-	-	-
	THREAD	-	-	2 1/2" NPT (64 mm)	-	4" NPT (102 mm) ◀	-	-
P1-S	A	1 1/8" (29 mm)	1 1/8" (29 mm)	1 1/4" (32 mm)	1 7/8" (48 mm)	1 7/8" (48 mm)	2" (51 mm)	2 1/8" (54 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
* P2-S	A	-	3 3/8" (86 mm)	3 1/4" (83 mm)	3 19/32" (91 mm)	3 7/16" (87 mm)	4" (102 mm)	4 5/16" (110 mm)
	B	-	1 5/8" (41 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)
	C	-	1 3/8" (35 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 19/32" (66 mm)
P10-S	A	-	1 1/4" (32 mm) ◀	2 1/32" (52 mm) ◀	3 5/16" (84 mm) ◀	-	-	-
	B	-	-	-	-	-	-	-
	THREAD	-	2" NPT (51 mm) ◀	2 1/2" NPT (64 mm) ◀	3" NPT (76 mm) ◀	-	-	-
* P12-S	A	-	-	-	-	3 3/4" (95 mm)	-	-
	B	-	-	-	-	1 3/8" (35 mm)	-	-
	THREAD	-	-	-	-	4" NPT (102 mm)	-	-
P20-SF	A	-	-	3 5/32" (80 mm) ◀	3 7/16" (87 mm)	4" (102 mm)	-	4" (102 mm)
	THREAD	-	-	2" NPT (51 mm) ◀ 2 1/2" VIC (64 mm) ◀	2 1/2" NPT (64 mm) 3" VIC (76 mm)	3" NPT (76 mm)	-	4" NPT (102 mm)
	For Flow Meter							
◊ ### P30-SCV	A	-	5 5/8" (143 mm) ◀	5 27/32" (148 mm)	6 1/4" (159 mm) ◀	7 1/2" (191 mm)	-	-
	B	-	1 21/32" (42 mm) ◀	3 7/8" (98 mm)	4 9/32" (109 mm) ◀	4 15/16" (125 mm)	-	-
	THREAD	-	1 1/2" NPT (34 mm) ◀ 2" VIC (51 mm) ◀	2" NPT (51 mm)	2 1/2" NPT (64 mm) ◀	3" NPT (76 mm)	-	-
Built-in Check Valve								














### Male Discharge Adapters

STYLE	SIZE							
	1" (25 mm)	1 1/2" (38 mm)	2" (51 mm)	2 1/2" (64 mm)	3" (76 mm)	3 1/2" (89 mm)	4" (102 mm)	
 ◊◊M1-S	A	1 11/16" (42 mm) ◀	1 5/16" (33 mm)	1 5/8" (41 mm)	2" (51 mm)	1 7/8" (48 mm)	-	2 27/32" (67 mm) ◀
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 ◊◊M2-S	A	-	-	1 15/16" (49 mm) ◀	-	-	-	-
	B	-	-	-	-	-	-	-
	THREAD	-	-	2 1/2" NH (64 mm) ◀	-	-	-	-
 *◊◊M3-S	A	-	-	-	3 3/16" (81 mm)	3 5/16" (84 mm) ◀	-	3 19/32" (91 mm)
	B	-	-	-	1 3/8" (35 mm)	1 3/8" (35 mm) ◀	-	1 13/16" (46 mm)
	C	-	-	-	2 1/8" (54 mm)	2 1/8" (54 mm) ◀	-	2 5/8" (67 mm)
 *◊◊M4-S	A	-	-	-	5" (127 mm)	5" (127 mm)	-	8 3/4" (222 mm)
	B	-	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	-	1 13/16" (46 mm)
	C	-	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	-	2 15/32" (63 mm)
 *◊◊M6-S	A	-	-	-	10" (254 mm) ◀	-	-	-
	B	-	-	-	1 3/8" (35 mm) ◀	-	-	-
	C	-	-	-	2 1/8" (54 mm) ◀	-	-	-
 *◊◊M7-S	A	-	-	-	6 1/2" (165 mm) ◀	-	-	-
	B	-	-	-	1 3/8" (35 mm) ◀	-	-	-
	C	-	-	-	2 1/8" (54 mm) ◀	-	-	-
 *M8-S	A	-	-	2 7/8" (73 mm) ◀	-	-	-	-
	C	-	-	1 17/64" (32 mm) ◀	-	-	-	-
	THREAD	-	-	1 1/2" NH (38 mm) ◀	-	-	-	-
 *M10-S	A	-	-	3 7/32" (82 mm) ◀	-	-	-	-
	B	-	-	1 25/64" (35 mm) ◀	-	-	-	-
	THREAD	-	-	2 1/2" NH (64 mm) ◀	-	-	-	-
 *†◊◊ ME1-S	A	-	-	-	6 5/8" (168 mm)	7" (178 mm)	-	9 3/4" (248 mm) ◀
	B	-	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	-	1 5/8" (41 mm) ◀
	C	-	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	-	2 3/16" (59 mm) ◀
 **† ME2-S	A	-	-	-	-	-	5 1/8" (130 mm)	-
	B	-	-	-	-	-	1 3/8" (35 mm)	-
	C	-	-	-	-	-	2 1/8" (54 mm)	-
 *†◊◊ ME3-S	A	-	-	-	10 5/16" (278 mm)	-	-	-
	B	-	-	-	1 3/8" (35 mm)	-	-	-
	C	-	-	-	2 1/8" (54 mm)	-	-	-
 *†◊◊ ME4-S	A	-	-	-	12 5/16" (313 mm) ◀	-	-	-
	B	-	-	-	1 3/8" (35 mm) ◀	-	-	-
	C	-	-	-	2 1/8" (54 mm) ◀	-	-	-
 *†◊◊ ME5-S 2 1/2" Thread	A	-	-	-	-	6 7/8" (175 mm) ◀	-	-
	B	-	-	-	-	1 3/8" (35 mm) ◀	-	-
	C	-	-	-	-	2 1/8" (54 mm) ◀	-	-

KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◊	(3) 3/4" NPT Taps
◊◊	Available in Cast or Chrome
#	For spacing only 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap
◀	Non-standard items. May have longer lead times.

## Female Intake Adapters Chrome Swivels (Hose Thread)

STYLE	SIZE					
	1 1/2" (38 mm)	2" (51 mm)	2 1/2" (64 mm)	3" (76 mm)	3 1/2" (89 mm)	4" (102 mm)
 F1-S	A	-	-	2 15/16" (75 mm) ◀	-	-
	B	-	-	-	-	-
	C	-	-	-	-	-
 F2-S	A	-	-	3 1/2" (89 mm) ◀	-	-
	B	-	-	1 3/8" (35 mm) ◀	-	-
	C	-	-	2 1/8" (54 mm) ◀	-	-
 F3-S	A	-	-	5 1/2" (140 mm) ◀	-	-
	B	-	-	1 3/8" (35 mm) ◀	-	-
	C	-	-	2 1/8" (54 mm) ◀	-	-
 F1-SS †††	A	-	-	2 15/16" (75 mm)	2 15/16" (75 mm) ◀	-
	B	-	-	-	-	-
	C	-	-	-	-	-
 F2-SS †††	A	-	-	3 1/2" (89 mm)	3 3/4" (95 mm)	-
	B	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	-
	C	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	-
 F3-SS †††	A	-	-	5 1/2" (140 mm)	5 1/2" (140 mm)	-
	B	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	-
	C	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	-
 F4-SS 2 1/2" swivel †††	A	-	-	-	3 13/16" (97 mm) ◀	-
	B	-	-	-	1 3/8" (35 mm) ◀	-
	C	-	-	-	2 1/8" (54 mm) ◀	-
 F5-SS 2 1/2" swivel †††	A	-	-	-	5 1/2" (140 mm)	-
	B	-	-	-	1 3/8" (35 mm)	-
	C	-	-	-	2 1/8" (54 mm)	-
 F12-SS †††	A	-	3 5/8" (93 mm) ◀	-	-	-
	B	-	1 25/64" (35 mm) ◀	-	-	-
	THREAD	-	2 1/2" NH (64 mm) ◀	-	-	-
 FE3-SS †††	A	-	-	7 1/8" (181 mm)	7 3/4" (197 mm) ◀	-
	B	-	-	1 3/8" (35 mm)	1 3/8" (35 mm) ◀	-
	C	-	-	2 1/8" (54 mm)	2 1/8" (54 mm) ◀	-
 FE6-SS †††	A	-	-	10 3/4" (273 mm) ◀	-	-
	B	-	-	1 3/8" (35 mm) ◀	-	-
	C	-	-	2 1/4" (57 mm) ◀	-	-

KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◊	(3) 3/4" NPT Taps
◊◊	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap
◀	Non-standard items. May have longer lead times.












### Flex Hose, Solder & Victaulic Adapters

STYLE		SIZE								
		1" (25 mm)	1 1/2" (38 mm)	2" (51 mm)	2 1/2" (64 mm)	3" (76 mm)	3 1/2" (89 mm)	4" (102 mm)		
FLEX	 PI-SH	A	-	-	-	1 7/8" (48 mm)	1 15/16" (49 mm)	-	2 5/16" (59 mm)	
		B	-	-	-	-	-	-	-	
		C	-	-	-	-	-	-	-	
	 PI2-SH	A	-	-	-	-	1 15/16" (49 mm)	-	-	
		3" Adapter with 4" Flex Connection								
	 PA-SH	A	-	-	-	-	2 1/4" (57 mm) ◀	-	-	
		B	-	-	-	-	-	-	-	
		Angle	-	-	-	-	4°	-	-	
	 PO-SH	A	-	-	-	-	2 1/4" (57 mm) ◀	-	-	
		B	-	-	-	-	-	-	-	
		Angle	-	-	-	-	4° ◀	-	-	
	VICTAULIC	 VI-S	A	1 11/16" (43 mm) ◀	1 3/4" (44 mm)	1 29/32" (48 mm)	1 29/32" (48 mm)	2 3/32" (53 mm)	2 5/32" (53 mm)	2 1/4" (57 mm)
B			-	-	-	-	-	-	-	
C			-	-	-	-	-	-	-	
 * V3-S		A	-	3 5/16" (84 mm)	3 1/4" (83 mm)	3 3/16" (81 mm)	3 5/16" (84 mm)	-	4" (102 mm)	
		B	-	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	-	1 15/16" (49 mm)	
		C	-	-	-	-	-	-	-	
 * V4-S		A	-	-	-	3 1/2" (89 mm)	-	-	-	
		B	-	-	-	1 3/8" (35 mm)	-	-	-	
		C	-	-	-	2 1/8" (54 mm)	-	-	-	
2 1/2" (64 mm) with 3" (76 mm) Victaulic										
 ◊◊ VTI-S		A	-	-	-	-	2 5/32" (52 mm)	-	2 11/32" (60 mm) ◀	
		3" (76 mm) has 3" (76 mm) NPT + 4" (102 mm) Victaulic								
		4" (102 mm) has 4" (102 mm) NPT + 5" (127 mm) Victaulic								
 †† VE1-S * 2" *** 1 1/2"		A	-	-	3 3/4" (95 mm)	-	-	-	-	
		B	-	-	3" (76 mm)	-	-	-	-	
		C	-	-	-	-	-	-	-	
 *†† VE2-S		A	-	-	5 3/4" (146 mm) ◀	-	-	-	-	
		B	-	-	2 31/32" (75 mm) ◀	-	-	-	-	
	C	-	-	-	-	-	-	-		
 V20-SF For Flow Meter	A	-	-	3 3/16" (81 mm) ◀	3 3/16" (81 mm) ◀	4 1/4" (108 mm) ◀	-	-		
	B	-	-	1 1/4" (32 mm) ◀	1 1/4" (32 mm) ◀	1 5/8" (41 mm) ◀	-	-		
	THREAD	-	-	2" VIC (51 mm) ◀	2" VIC (51 mm) ◀	3" VIC (76 mm) ◀	-	-		
 ◊◊◊ V30-SCV	A	-	-	5 27/32" (148 mm)	6 1/4" (159 mm)	7 1/2" (191 mm)	-	-		
	B	-	-	3 7/8" (98 mm)	4 9/32" (109 mm)	4 15/16" (125 mm)	-	-		
	Built-in Check Valve									

KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◊	(3) 3/4" NPT Taps
◊◊	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap
◀	Non-standard items. May have longer lead times.

## Pump Flange Adapters (Hale Pump Use)






KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◊	(3) 3/4" NPT Taps
◊◊	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap
◀	Non-standard items. May have longer lead times.

STYLE	SIZE						
	2 1/2" (64 mm)	3" / 3 1/2" (76/89 mm)	4" (102 mm)	ANGLE	BOLT HOLES	BOLT CIR. DIA.	
 B1-SE	A	-	2 7/8" (73 mm)	-	-	8	5 3/4" (146 mm)
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
 + B2-SE	A	-	2 7/8" (73 mm)	-	26°	8	5 3/4" (146 mm)
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
 B3-SE	A	-	3 1/8" (79 mm)	4"	3°30'	8	5 3/4" (146 mm)
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
 B6-SE	A	-	6 7/8" (175 mm) ◀	-	4°	8	5 3/4" (146 mm)
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
 B8-SH (Octagonal Flange)	A	-	-	4"	-	8	5 3/4" (146 mm)
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
 B20-SFH	A	-	-	5 27/64" (138 mm) ◀	-	8	5 3/4" (146 mm)
	B	-	-	2 43/64" (68 mm) ◀	-	-	-
	For Flow Meter						
 ++ HD1-S	A	6 1/4" (159 mm)	5 3/4" (146 mm)	-	-	4	4 3/8" (111 mm)
	B	-	-	-	-	-	-
	Angle	5°20'	7°	-	-	-	-
 ++ HD2-S	A	8 1/4" (210 mm)	7 3/4" (197 mm)	-	-	4	4 3/8" (111 mm)
	B	-	-	-	-	-	-
	Angle	3°45'	4°	-	-	-	-
 HD4-S	A	5 1/4" (133 mm) ◀	-	-	14°5'	4	4 3/8" (111 mm)
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-











### Pump Flange Adapters (Hale Pump Use) ...Continued

STYLE	SIZE						
	2 1/2" (64 mm)	3"/3 1/2" (76/89 mm)	4" (102 mm)	ANGLE	BOLT HOLES	BOLT CIR. DIA.	
 ++ HD21-SF UP or DN For Flow Meter	A	6 1/4" (159 mm) ◀	-	-	5°20'	4	4 3/8" (111 mm)
	B	3 1/8" (79 mm) ◀	-	-	-	-	-
	C	-	-	-	-	-	-
 ++ SE1-S	A	3 1/4" (83 mm)	2 3/4" (70 mm) ◀	-	90°	4	4 3/8" (111 mm)
	B	5 1/4" (133 mm)	6" (152 mm) ◀	-	-	-	-
	C	-	-	-	-	-	-
 ++ SE2-S	A	5 1/4" (133 mm)	4 3/4" (121 mm) ◀	-	90°	4	4 3/8" (111 mm)
	B	5 1/4" (133 mm)	6" (152 mm) ◀	-	-	-	-
	C	-	-	-	-	-	-
 ++ SE3-S	A	2 1/2" (64 mm)	-	-	90°	4	4 3/8" (111 mm)
	B	7 3/4" (197 mm)	-	-	-	-	-
	C	-	-	-	-	-	-
 SE4-S	A	8.5" (216 mm) ◀	-	-	-	4	4 3/8" (111 mm)
	B	6" (152 mm) ◀	-	-	-	-	-
	C	-	-	-	-	-	-




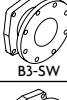

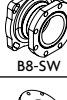



KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◊	(3) 3/4" NPT Taps
◊◊	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap
◀	Non-standard items. May have longer lead times.

### Pump Flange Adapters (Waterous Pump Use)

STYLE	SIZE							
	2" (51 mm)	2 1/2" (64 mm)	3"/3 1/2" (76/89 mm)	4" (102 mm)	ANGLE	BOLT HOLE	BOLT CIR. DIA.	
 B1-S	A	2 5/8" (67 mm)	2 5/8" (67 mm)	2 7/8" (73 mm)	-	4 (8 on 2")	4 3/8" (111 mm)	
	B	-	-	-	-	-	-	
	C	-	-	-	-	-	-	
 B1-SX	A	-	2 5/8" (67 mm)	-	-	4 slots	4 3/8" (111 mm)	
	B	-	-	-	-	-	-	
	C	-	-	-	-	-	-	
 +++ B4-S	A	-	2 5/8" (67 mm)	2 7/8" (73 mm) ◀	-	8	4 3/8" (111 mm)	
	B	-	-	-	-	-	-	
	C	-	-	-	-	-	-	
 B5-S	A	-	4 5/8" (117 mm)	-	-	4 slots & 4 holes	4 3/8" (111 mm)	
	A	-	-	4 1/2" (114 mm)	-	-	4 slots	4 3/8" (111 mm)
	B	-	-	-	-	-	-	
 +++ B6-S	A	-	6" (152 mm)	-	-	8	4 3/8" (111 mm)	
	B	-	-	-	-	-	-	
	C	-	-	-	-	-	-	
 B7-S	A	-	5.5" (140 mm) ◀	-	-	4 slots & 4 holes	4 3/8" (111 mm)	

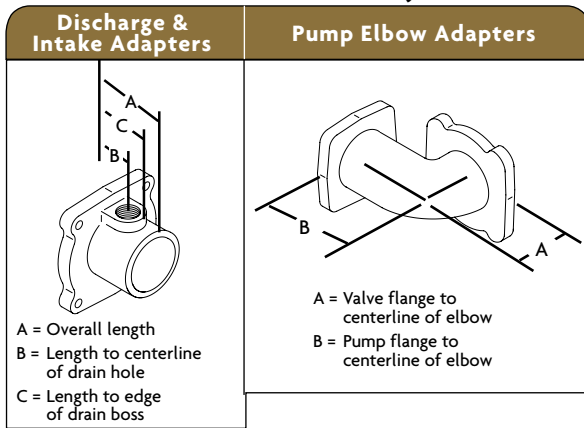


## Pump Flange Adapters (Waterous Pump Use) ...Continued

STYLE		SIZE						
		2" (51 mm)	2 1/2" (64 mm)	3" / 3 1/2" (76 / 89 mm)	4" (102 mm)	ANGLE	BOLT HOLE	BOLT CIR. DIA.
 B3-SH	A	-	-	13/16" - 1 1/32" (21-34 mm)	-	4°	4	7 25/32" (198 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B3-SH (4")	A	-	-	-	2" Total (51 mm) ◀	4°	4	7 25/32" (198 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 + B2-SW	A	-	-	2 7/8" (73 mm)	-	26°	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B3-SW	A	-	-	3 1/8" (79 mm)	-	4°	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B4-SW	A	-	-	5" (127 mm) ◀	-	4°	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B8-SW	A	-	-	-	4" (102 mm)	-	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 +++ B1-SEW	A	-	-	2 7/8" (73 mm)	-	-	8 slots	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 WDE1-S	A	-	-	4 9/16" (112 mm) ◀	-	90°	8	5 1/2" (140 mm)
	B	-	-	4 5/16" (110 mm) ◀	-	-	-	-
	C	-	-	-	-	-	-	-
 WDE94-S	A	-	-	-	9 1/2" (241 mm) ◀	94°	8	5 1/2" (140 mm)
	B	-	-	-	5" (127 mm) ◀	-	-	-
	C	-	-	-	-	-	-	-




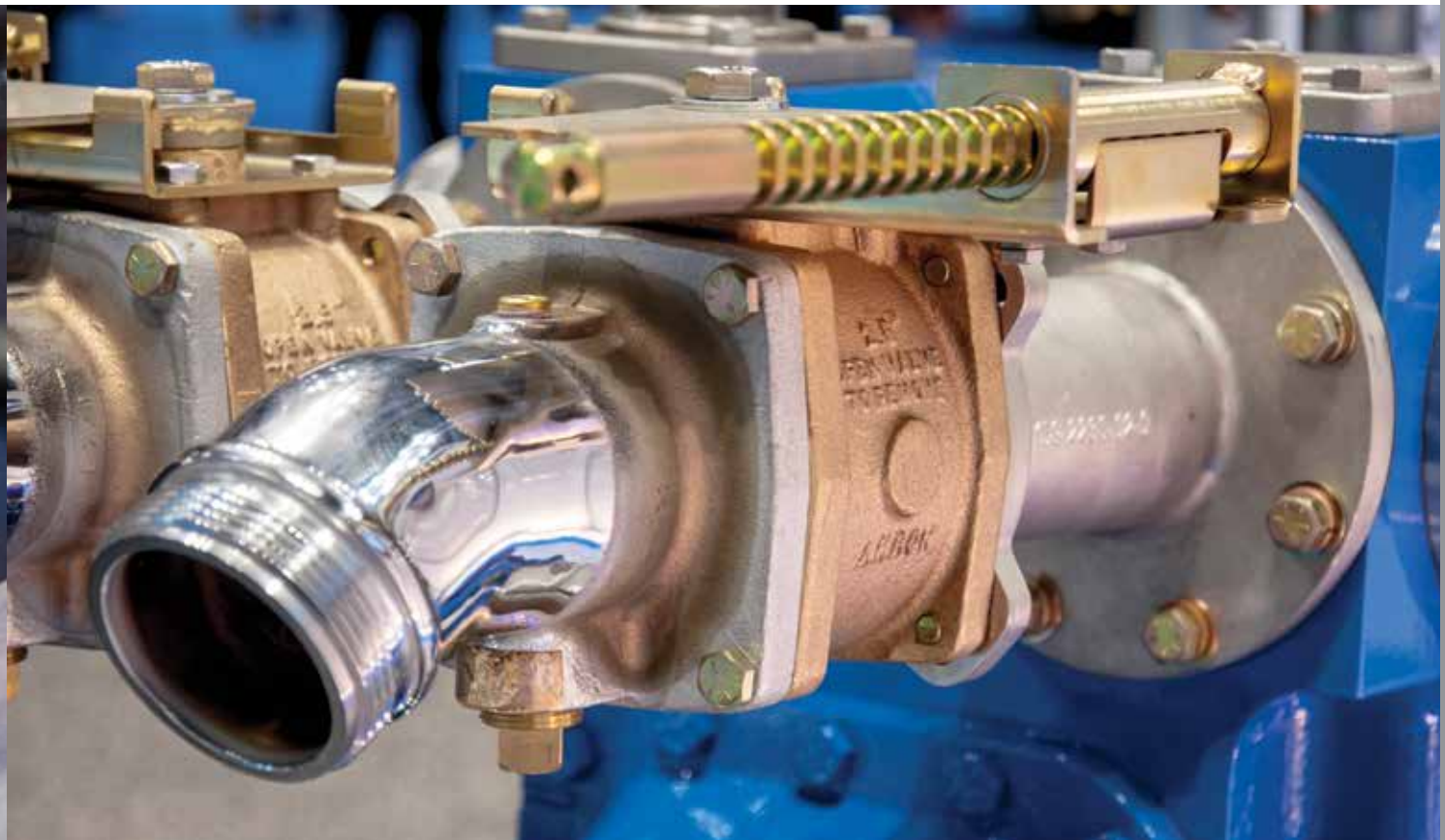
## Valve Dimension Key



KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap
◀	Non-standard items. May have longer lead times.

## Pump Flange Adapters General Use

STYLE		SIZE				
		2" (51 mm)	4" (102 mm)	ANGLE	BOLT HOLE	BOLT CIR. DIA.
 +++ DE1-S	A	3 3/4" (95 mm)	-	90°	8	4 3/8" (111 mm)
	B	4 13/16" (122 mm)	-	-	-	-
	C	-	-	-	-	-
 +++ DE2-S	A	3 3/4" (95 mm)	-	90°	8	4 3/8" (111 mm)
	B	5 1/2" (140 mm)	-	-	-	-
	C	-	-	-	-	-



## PRODUCT SERVICE CENTER

Akron® provides a full time staff ready to service products. To submit your request for product repair, visit [onlinerepair.akronbrass.com](http://onlinerepair.akronbrass.com) or call Customer Care at 330.264.5678 (800.228.1161) for estimates and shipping instructions.



STYLE	DESCRIPTION	SERVICE KIT
708	Imperial, Spitz, Ball Shutoff and Marauder	9150
709	Imperial, Spitz, Ball Shutoff and Marauder	9150
710	Imperial, Spitz, Ball Shutoff and Marauder	9150
753	Trigger Shutoff	9161
810	1" Ball Valve	9124
815	1 1/2" Ball Valve, Wye & Water Thief	9125
820	2" Valve	9126
825	2 1/2" Valve, Wye & Siamese (2 1/4" Waterway)	9127
828	2 1/2" Valve, 2 1/2" Water Thief, Wye, Hydrant Valve	9128
830	3" Valve	9129
904	Imperial, Spitz, Ball Shutoff and Marauder	9150
905	Imperial, Spitz, Ball Shutoff and Marauder	9150
908	Imperial, Spitz, Ball Shutoff and Marauder	9150
911	Ozzie	9191
922	OzzieMaster	9292
1110	Imperial, Spitz, Ball Shutoff and Marauder	9150
1115	Brass Shutoff	9151
1125	Brass Shutoff	9152
1128	Brass Shutoff	9152
1390	Playpipe	9152
1480	Wye	9125
1481	Wye	9125
1482	2 1/2" Valve, Wye & Siamese	9127
1483	2 1/2" Valve, Wye & Siamese	9127
1512	SaberJet	9183
1513	SaberJet	9183
1515	SaberJet	9183
1520	SaberJet	9183
1522	SaberJet	9182
1523	SaberJet	9182
1525	SaberJet	9182
1526	SaberJet	9182
1527	SaberJet	9182
1528	SaberJet	9182
1532	SaberJet	9184
1533	SaberJet	9184
1535	SaberJet	9184
1536	SaberJet	9184
1573	Water Thief	9125
1573	2 1/2" Valve, 2 1/2" Water Thief, Wye, Hydrant Valve	9128
1581	Wye	9125
1582	2 1/2" Valve, 2 1/2" Water Thief, Wye, Hydrant Valve	9128
1583	2 1/2" Valve, 2 1/2" Water Thief, Wye, Hydrant Valve	9128
1601	1" ProVenger	9112
1602	1" ProVenger	9112
1615	1 1/2" ProVenger	9111
1616	1 1/2" ProVenger	9111
1701	1" - 1 1/2" Turbojet & Marauders w/ Spinning Teeth	9108
1701	1" Turbojet & Marauder	9115

STYLE	DESCRIPTION	SERVICE KIT
1701	Turbojet (2000-Current)	9180
1702	1" - 1 1/2" Turbojet & Marauders w/ Spinning Teeth (1/2" Ball)	9106
1702	1" Turbojet & Marauder (1" Ball)	9115
1702	Turbojet (2000-Current)	9180
1704	Turbojet	9180
1708	1" Turbojet	9106
1710	1" Turbojet	9106
1715	1" - 1 1/2" Turbojet & Marauders w/ Spinning Teeth	9108
1716	1" - 1 1/2" Turbojet & Marauders w/ Spinning Teeth	9108
1720	1" - 1 1/2" Turbojet & Marauders w/ Spinning Teeth	9108
1722	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
1723	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
1725	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
1729	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
1741	Industrial Turbojet	9515
1762	Wide-Range Turbojet	9179
1763	Wide-Range Turbojet	9179
1828	2 1/2" Valve, 2 1/2" Water Thief, Wye, Hydrant Valve	9128
2032	1 1/2" Navy Nozzle	9163
2046	2 1/2" Coast Guard Nozzle	9164
2069	1 1/2" Navy Nozzle	9163
2074	2 1/2" Navy Nozzle	9164
2079	1 1/2" Military Nozzle	9163
2084	2 1/2" Military Nozzle	9164
2101	Pyrolite® Shutoff	9115
2110	Pyrolite Shutoff	9150
2111	Pyrolite Shutoff	9150
2130	Pyrolite Shutoff Pre 2005	9158
2115	Pyrolite Shutoff	9151
2116	Pyrolite Shutoff	9151
2125	Pyrolite Shutoff	9152
2126	Pyrolite Shutoff	9152
2127	Pyrolite Shutoff	9152
2129	Pyrolite Shutoff	9152
2130	Pyrolite Shutoff	9159
2390	Playpipe	9152
2430	Saber Shutoff	9152
2431	Saber Shutoff	9152
2432	Saber Shutoff	9152
2433	Saber Shutoff	9152
2580	Wye	9153
2581	Wye	9153
2582	2 1/2" Valve, 2 1/2" Water Thief, Wye, Hydrant Valve	9128
2583	2 1/2" Valve, 2 1/2" Water Thief, Wye, Hydrant Valve	9128
2629	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
2630	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
2681	Wye	9153
3015	1 1/2" Brass Fog Nozzle	9155
3016	1 1/2" Brass Fog Nozzle	9155
3019	1 1/2" Brass Fog Nozzle	9155
3021	1 1/2" Brass Fog Nozzle	9155
3025	Brass Fog Nozzle	9110
3352	Tuckaway Bumper Turret	9192
3353	Tuckaway Bumper Turret	9192
3367	Turret with Brass Inlet	9193
3411	Apollo Spikes	9190
3414	Apollo	9189
3416	Apollo	9189
3416	Apollo Spikes	9190
3421	Apollo Spikes	9190
3421	Apollo	9189
3423	Apollo	9189
3425	Aries Monitor	9525
3423	Apollo Spikes	9190
3427	3" Apollo w/Gas Spring	9527
3430	GP Manual	9438
3431	Apollo Spikes	9190
3433	Apollo Spikes	9190
3436	4" Apollo Monitor	9437
3437	4" Omega Monitor	9437
3440	DeckMaster Position Feedback	9540
3443	Mercury with updated inlet	9130
3443	Spikes	9443
3446	Valve	9131
3460	Turret	9170
3460	Turret	9170
3461	Turret	9171
3462	Forestry Multi Purpose	9223
3463	FireFox for position feedback	9263
3465	Turret (95-300 gpm)	9195
3466	Turret (95-300 gpm)	9196



STYLE	DESCRIPTION	SERVICE KIT
3467	Turret Upgrade Kit with Brass Inlet	9193
3467	Roof Turret Valve	9194
3467	Turret Waterway	9197
3467	Roof Turret Valve with Pyrolite Inlet	9198
3467	Roof Turret Headliner Label Kit	9199
3480	Stream Master II	9220
3481	Stream Master II	9220
3482	Stream Master II	9220
3483	Stream Master II	9220
3524	Omega Severe-Duty	9524
3526	Omega	9526
3527	3" Omega w/Gas Spring	9527
3528	Omega XP	9528
3578	Stream Master and Stream Master XT	9221
3579	Stream Master and Stream Master XT	9221
3715	1 1/2" Industrial Turbojet	9108
3716	1 1/2" Industrial Turbojet	9515
3718	1 1/2" Industrial Turbojet	9515
3719	1 1/2" Industrial Turbojet	9515
3720	1 1/2" Industrial Turbojet	9108
3721	1 1/2" Industrial Turbojet	9515
3725	Industrial Turbojet	9110
4102	1" ProVenger	9112
4115	1 1/2" ProVenger	9111
4116	1 1/2" ProVenger	9111
4308	Imperial, Spitz, Ball Shutoff and Marauder	9150
4310	Imperial, Spitz, Ball Shutoff and Marauder	9150
4507	1" Marauder	9151
4508	1" Marauder	9151
4510	1" Marauder	9150
4511	1" Marauder	9150
4512	1 1/2" Marauder	9151
4513	1 1/2" Marauder	9151
4515	1 1/2" Marauder	9151
4516	1 1/2" Marauder	9151
4525	2 1/2" Marauder	9152
4526	2 1/2" Marauder	9152
4529	2 1/2" Marauder	9152
4530	2 1/2" Marauder	9152
4612	1" Marauder	9108
4613	1" Marauder	9108
4615	1 1/2" Marauder	9108
4616	1 1/2" Marauder	9108
4625	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
4626	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
4629	Marauder	9110
4630	Marauder	9110
4712	1" Assault (Pre-2005)	9178
4712	1" Assault (2005-Current)	9179
4713	1" Assault (Pre-2005)	9178
4713	1" Assault (2005-Current)	9179
4715	1 1/2" Assault (Pre-2005)	9178
4715	1 1/2" Assault (2005-Current)	9179
4720	1 1/2" Assault (Pre-2005)	9178
4720	1 1/2" Assault (2005-Current)	9179
4801	1" Assault	9180
4802	1" Assault	9180
4812	1" Assault (Pre-2005)	9178
4812	1" Assault (2005-Current)	9179
4813	1" Assault (Pre-2005)	9178
4813	1" Assault (2005-Current)	9179
4815	1 1/2" Assault (Pre 2005)	9178
4815	1 1/2" Assault (2005 - Current)	9179
4820	1 1/2" Assault (Pre 2005)	9178
4820	1 1/2" Assault (2005 - Current)	9179
4822	1 1/2" High-Range Assault	9179
4823	1 1/2" High-Range Assault	9179
4825	2 1/2" High-Range Assault	9179
4826	2 1/2" High-Range Assault	9179
4862	Mid-Range Assault	9179
4863	Mid-Range Assault	9179
5015	Mid-Range Akromatic®	9152
5016	Mid-Range Akromatic	9152
5020	Mid-Range Akromatic	9152
5021	Mid-Range Akromatic	9152
5115	1 1/2" Mid-Range Akromatic Nozzle	9160
5116	1 1/2" Mid-Range Akromatic Nozzle	9160
5120	1 1/2" Mid-Range Akromatic Nozzle	9160
5121	1 1/2" Mid-Range Akromatic Nozzle	9160

STYLE	DESCRIPTION	SERVICE KIT
5125	Akromatic II	9152
5126	Akromatic II	9152
5127	Akromatic II	9152
5128	Akromatic II	9152
5135	Akromatic II	9152
5136	Akromatic II	9152
5137	Akromatic II	9152
5138	Akromatic II	9152
5177	Akromatic 1250	9077
5225	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
5226	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
5227	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
5228	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
5235	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
5236	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
5237	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
5238	2 1/2" Turbojet, Akromatic, & Marauder Nozzles	9110
7610	1" Swing-Out Valve Kit Less Ball	9208
7610	1" Swing-Out Valve with Polymer Ball	8903
7615	1 1/2" Swing-Out Valve Kit Less Ball	9209
7615	1 1/2" Swing-Out Valve with Polymer Ball	8904
7620	2" Swing-Out Valves with Polymer Ball	8905
7620	2" Swing-Out Valves Kit Less Ball	9204
7625	2 1/2" Swing-Out Valves with Polymer Ball	8906
7625	2 1/2" Swing-Out Valves Kit Less Ball	9205
7630	3" & 3 1/2" Swing-Out Valves with Polymer Ball	8907
7630	3" & 3 1/2" Swing-Out Valves Kit Less Ball	9205
7635	3" & 3 1/2" Swing-Out Valves with Polymer Ball	8907
7635	3" & 3 1/2" Swing-Out Valves Kit Less Ball	9147
7810	1" Swing-Out Valve Kit Less Ball	9208
7810	1" Swing-Out Valve with Polymer Ball	8903
7815	1 1/2" Swing-Out Valve Kit Less Ball	9209
7815	1 1/2" Swing-Out Valve with Polymer Ball	8904
7820	2" Swing-Out Valves with Polymer Ball	8905
7820	2" Swing-Out Valves Kit Less Ball	9204
7825	2 1/2" Swing-Out Valves with Polymer Ball	8906
7825	2 1/2" Swing-Out Valves Kit Less Ball	9205
7830	3" & 3 1/2" Swing-Out Valves with Polymer Ball	8907
7830	3" & 3 1/2" Swing-Out Valves Kit Less Ball	9206
7835	3" & 3 1/2" Swing-Out Valves with Polymer Ball	8907
7835	3" & 3 1/2" Swing-Out Valves Kit Less Ball	9206
7840	4" Heavy Duty Swing-Out Valve with Polymer Ball	8908
7980	Black Max™	9168
7982	Revolution™	9169
7983	Revolution™	9169
8620	2" Valve Kit Less Ball	9204
8620	2" Swing-Out Valves with Metal Ball	9145
8625	2 1/2" Valve Kit Less Ball	9205
8625	3 1/2" Swing-Out Valves with Metal Ball	9146
8630	3" & 3 1/2" Swing-Out Valves with Metal Ball	9147
8630	3" & 3 1/2" Valve Kit Less Ball	9206
8635	3" & 3 1/2" Swing-Out Valves with Metal Ball	9147
8635	3" & 3 1/2" Valve Kit Less Ball	9206
8810	1" Swing-Out Valve with Metal Ball	8803
8810	1" Valve Kit Less Ball	9208
8815	1 1/2" Swing-Out Valve with Metal Ball	8804
8815	1 1/2" Valve Kit Less Ball	9209
8820	2" Valve Kit Less Ball	9204
8820	2" Swing-Out Valves with Metal Ball	9145
8825	2 1/2" Swing-Out Valves with Metal Ball	9146
8825	2 1/2" Valve Kit Less Ball	9205
8830/35	3" & 3 1/2" Swing-Out Valves with Metal Ball	9147
8830/35	3" & 3 1/2" Valve Kit Less Ball	9206
8840	4" Swing-Out Valve	9166
8840	Hi-Cycle 4" Swing-Out Valve	9167
8910	1" Swing-Out Valve with Polymer Ball	8903
8910	1" Valve Kit Less Ball	9208
8915	1 1/2" Swing-Out Valve with Polymer Ball	8904
8915	1 1/2" Valve Kit Less Ball	9209
8920	2" Swing-Out Valves with Polymer Ball	8905
8920	2" Valve Kit Less Ball	9204
8925	2 1/2" Swing-Out Valves with Polymer Ball	8906
8925	2 1/2" Valve Kit Less Ball	9205
8930	3" & 3 1/2" Swing-Out Valves with Polymer Ball	8907
8930	3" & 3 1/2" Valve Kit Less Ball	9206
8935	3" & 3 1/2" Swing-Out Valves with Polymer Ball	8907
8935	3" & 3 1/2" Valve Kit Less Ball	9206
8940	4" Heavy Duty Swing-Out Valve	8908
9015	9015 Pitot Blade	9015

### Municipal Electric Monitors

Monitor	Nozzle	3293 FireFox Low	3293 FireFox Med	3293 FireFox High	3292 UHP	5075 Akromatic 1250	5177 Akromatic 1000	5178 Akromatic 2000	4040 Akrochem	4042 Akrochem	SaberMaster 1578	4480	5088 Renegade (automatic)	2188 Renegade (fixed)	2189 Renegade (adjustable)
3356 Trident						✓	✓	✓	✓	✓	✓	✓			
3419 Apollo PE			✓			✓	✓				✓	✓			
3440 DeckMaster			✓			✓	✓		✓		✓	✓			
3450 UHP					✓										
3462 Forestry	✓	✓													
3463 FireFox	✓	✓	✓						*						
3479 Gemini			✓			✓	✓				✓	✓			
3480 StreamMaster II						✓	✓	✓	✓	✓	✓	✓			
3482 StreamMaster II			✓			✓	✓		✓		✓	✓			
3491 Severe Duty			✓												
3578 StreamMaster						✓	✓	✓		✓	✓	✓			
3580 Renegade													✓	✓	✓

\* Requires 3463 with 2.5" outlet and 4040 250-500 versions

### Municipal Manual Monitors

Monitor	Nozzle	0487 Tip	0489 Straight Tip	2498 Stack Tip	2499 Stack Tip	3499 Stack Tip	5147 Excel 1000	4445 Mercury	4447 Mercury	1545 SaberMaster	4452 Aquastream	5150 Mercury	1745 Turbomaster	1757 Turbomaster	4475 Akrofoam	1755 Turbomaster	5160 Akromatic	4039 Akrochem	4041 Akrochem	5170 Akromatic	
1495 Ladder Pipe	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
1496 Ladder Pipe	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
3414 Apollo	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3416 Apollo	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3421 Apollo	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3423 Apollo	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3426 Apollo	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3430 GP Manual	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3431 Apollo Hi-Riser	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3433 Apollo Hi Riser	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3470 Gemini	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3481 StreamMaster II					✓														✓		✓

Yellow indicates that the selected monitor cannot use the entire flow range of this nozzle



# Technical Data: Compatibility Chart



## Industrial Hydraulic & Electric Monitors

Monitor \ Nozzle	0489 Straight Tip	4462 Rampage	4471 Akrofoam	5055 Akromatic	2155 Black Widow	2156 Black Widow	5056 Akromatic	4472 Akrofoam (hydraulic)
3476 Gemini Brass HYD						✓	✓	✓
3491 Severe Duty ELECT	✓	✓	✓					
3492 Severe Duty HYD						✓	✓	✓

## Industrial Manual Monitors

Monitor \ Nozzle	0489 Straight Tip	4450 Aquastream	4460 Rampage	4461 Rampage	5161 Akromatic	4470 Akrofoam	2171 Masterstream	5071 Akromatic
3437 Omega 2000							✓	✓
3523 Omega XPV	✓	✓	✓	✓	✓	✓		
3524 Omega SD	✓	✓	✓	✓	✓	✓		
3525 Aries	✓	✓	✓	✓	✓	✓		
3526 Omega 1250	✓	✓	✓	✓	✓	✓		
3528 Omega XP	✓	✓	✓	✓	✓	✓		
3671 Conquest							✓	✓
3690 Storm							✓	✓

■ Yellow Indicates that a thread adapter is needed for this combination

## Portable Monitors

Monitor \ Nozzle	1744/1727 Turbojet	4824/4827 Assault	0489 Straight Tip	2420 Stack Tips	2498 Stack Tips	4445 Mercury	4447 Mercury	1545 Mercury	1745 Turbomaster	1757 Turbomaster	1755 Turbomaster	5147 Mercury	5150 Mercury	5160 Akromatic	5148 Mercury
0911 Ozzie	✓	✓													
0922 Ozzie Master			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3443 Mercury			✓	✓		✓	✓	✓							✓
3446 Mercury Master			✓		✓	✓	✓	✓				✓	✓		✓







UltraJet® Smooth Bore and Fog Flow Reach																
Tip Size	Inlet Pressure		Smooth Bore Flow Narrow Fog Flow Wide Fog Flow		Smooth Bore Reach				Fog Reach							
	PSI	Bar	GPM	LPM	Effective		Overall		Narrow Fog				Full Fog			
					Feet	Meters	Feet	Meters	Effective		Overall		Effective		Overall	
	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
3/4"	50	3.5	118	447	113	35	126	38	41	13	46	14	14	4	15	5
7/8"	50	3.5	161	609	122	37	136	41	45	14	50	15	14	4	15	5
1 1/16"	50	3.5	184	700	127	39	141	43	40	12	44	13	14	4	15	5
1"	50	3.5	210	795	126	38	140	43	40	12	44	13	16	5	18	5
3/4"	75	5	145	549	133	41	148	45	49	15	54	16	18	5	20	6
7/8"	75	5	197	746	143	44	159	48	52	16	58	18	18	5	20	6
1 1/16"	75	5	226	855	149	46	166	51	44	13	49	15	19	6	21	6
1"	75	5	257	973	154	47	171	52	47	14	52	16	19	6	21	6
3/4"	87	6	156	590	140	43	155	47	51	16	57	17	22	7	24	7
7/8"	87	6	212	802	150	46	167	51	57	17	63	19	21	6	23	7
1 1/16"	87	6	243	924	151	46	168	51	50	15	56	17	21	6	23	7
1"	87	6	277	1048	153	47	170	52	50	15	56	17	21	6	23	7
3/4"	100	7	167	632	146	44	162	49	57	17	63	19	23	7	26	8
7/8"	100	7	227	859	149	45	165	50	58	18	64	20	23	7	25	8
1 1/16"	100	7	261	988	158	48	176	54	54	16	60	18	24	7	27	8
1"	100	7	297	1124	154	47	171	52	52	16	58	18	24	7	27	8

\*Reach figures are measured with nozzle at 32 degrees above horizontal. Effective reach is considered the farthest portion of the water droplet footprint where firefighting can be accomplished, in still conditions. Overall reach is considered where farthest droplets of water fall, in still conditions. Actual results will vary depending on operation, environmental and maintenance conditions.

ProVenger Nozzles Rated at 87 PSI				
Style	Nozzle Pressure		Flow	
	PSI	BAR	GPM	LPM
1602	75	5	11	42
			21	80
			32	121
			48	182
	87	6	12	45
			23	85
			34	130
			52	200
	100	7	13	49
			25	95
			36	136
			56	212
1602	75	5	5	19
			9	34
			19	72
			37	140
	87	6	5	19
			10	40
			20	75
			40	150
	100	7	5	19
			11	42
			21	80
			43	163
1616, 4116	75	5	28	106
			56	212
			88	333
			116	439
	87	6	139	526
			30	115
			60	230
			95	360
	100	7	125	475
			150	550
			32	121
			64	242
		7	102	386
			134	508
			161	610

ProVenger Nozzles Rated at 100 PSI				
Style	Nozzle Pressure		Flow	
	PSI	BAR	GPM	LPM
1602	50	3	4	15
			7	26
			14	53
			28	106
	75	5	4	15
			9	34
			17	64
			35	132
	100	7	5	19
			10	40
			20	75
			40	150
125	8	6	23	
		11	42	
		22	83	
		45	170	
1616, 4116	50	3	21	80
			42	159
			67	254
			88	333
	75	5	106	402
			26	98
			52	197
			82	310
	100	7	108	409
			130	492
			30	115
			60	230
		8	95	360
			125	475
			150	550
			34	129
125	8	67	254	
		106	401	
		140	530	
		168	636	



Turbojet™ Nozzles Rated At 100 Psi										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
1701, 1702 1703	75	5	13	50	11	42	50	15	60	18
			25	95	22	83	60	18	70	21
			40	150	35	132	77	23	87	26
			60	230	52	197	100	30	110	34
			13	50	13	50	57	17	67	20
			25	95	25	95	64	20	74	23
	100	7	40	150	40	150	90	27	100	30
			60	230	60	230	110	34	120	37
			13	50	15	57	57	17	67	20
			25	95	28	106	67	20	77	23
			40	150	45	170	97	30	107	33
			60	230	67	254	120	37	130	40
1714, 1715 1717, 1720	75	5	30	115	26	98	80	24	90	27
			60	230	52	197	107	33	117	36
			95	360	82	310	127	39	137	42
			125	475	108	409	130	40	146	45
			30	115	30	115	85	26	95	29
			60	230	60	230	115	35	125	38
	100	7	95	360	95	360	135	41	145	44
			125	475	125	475	140	43	150	46
			30	115	34	129	97	30	107	33
			60	230	67	254	120	37	130	40
			95	360	106	401	145	44	155	47
			125	475	140	530	150	46	160	49
1722, 1723 1724, 1737 (95-200 gpm)  1762, 1763 1766, 1767 (3-200 gpm)  1725, 1727 1729, 1733 1744 (125-250 gpm)	75	5	30	115	26	98	75	23	85	26
			95	360	82	310	117	36	127	39
			125	475	108	409	127	39	137	42
			150	550	130	492	145	44	155	47
			200	750	173	654	160	49	170	52
			250	950	217	821	165	50	175	53
	100	7	30	115	30	115	87	26	97	30
			95	360	95	360	140	43	150	46
			125	475	125	475	155	47	165	50
			150	550	150	550	160	49	170	52
			200	750	200	750	170	52	180	55
			250	950	250	950	175	53	185	56
	125	8.5	30	115	34	129	97	30	107	33
			95	360	106	401	145	44	155	47
			125	475	140	530	100	49	170	52
			150	550	168	636	175	53	185	56
			200	750	224	848	180	55	190	58
			250	950	280	1060	195	59	205	62

SaberJet™ Fog Flow				
Style	Nozzle Pressure		Flow	
	PSI	BAR	GPM	LPM
1520	50	3.5	67	254
	75	5	82	310
	100	7	95	360
1523	50	3.5	95	360
	75	5	118	447
	100	7	135	511

SaberJet Solid Bore Flow								
Tip Size	Nozzle Pressure		Solid Bore Flow		Solid Bore Reach*			
	PSI	BAR	GPM	LPM	Effective		Overall	
					FEET	METERS	FEET	METERS
1/2"	50	3.5	53	201	67	20	77	23
	75	5	64	243	87	27	97	30
5/8"	50	3.5	82	312	87	27	97	30
	75	5	101	384	107	33	117	36
3/4"	50	3.5	118	448	108	35	122	37
	75	5	145	551	117	36	135	41
7/8"	50	3.5	161	612	135	41	144	44
	75	5	197	749	156	47	165	50
15/16"	50	3.5	185	703	139	42	146	44
	75	5	226	859	161	49	170	52
1"	50	3.5	210	798	146	44	155	47
	75	5	257	977	165	50	170	52

SaberJet Combination Flows						
Style	Tip Size	Inlet Pressure		Flow		
		PSI	BAR	GPM	LPM	
1520	1/2"	50	3.5	110	416	
		75	5	140	530	
	5/8"	50	3.5	136	515	
		75	5	170	643	
1523	3/4"	50	3.5	199	753	
		75	5	247	935	
	7/8"	50	3.5	232	878	
		75	5	289	1094	
		50	3.5	250	946	
	15/16"	75	5	313	1185	
		1"	50	3.5	270	1022
			75	5	334	1264

\*Note: Reach figures are measured with nozzle at 32" above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.



Assault™ Nozzles Rated At 100 Psi												
Style	100 PSI Flow Setting	Actual Flow				Straight Stream Reach*						
		75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR		Effective			Overall			
						75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	
4801, 4802 4804	13 50	11 42	13 49	15 57	gpm lpm	57 77	67 20	74 23	67 20	77 23	84 26	feet meters
	25 95	22 83	25 95	28 106	gpm lpm	70 21	77 23	87 27	80 24	87 27	97 30	feet meters
	40 150	35 132	40 150	45 170	gpm lpm	77 23	85 26	97 30	87 27	95 29	107 33	feet meters
4714, 4715 4717, 4720 4814, 4815 4817, 4820 4862, 4863 4866, 4867	95 360	82 310	95 360	106 401	gpm lpm	87 30	117 36	127 39	107 33	127 39	137 42	feet meters
	125 475	108 409	125 475	140 530	gpm lpm	117 36	127 39	130 40	127 39	137 42	140 44	feet meters
	150 550	130 492	150 550	168 636	gpm lpm	137 42	142 43	155 47	147 45	152 46	165 50	feet meters
	175 660	152 575	175 660	196 742	gpm lpm	145 44	153 47	165 50	155 47	163 50	175 53	feet meters
	200 750	173 655	200 750	224 848	gpm lpm	130 40	145 44	164 50	140 44	155 47	174 53	feet meters
4822, 4823 4824, 4825 4826, 4827 4837	200 750	173 655	200 750	224 848	gpm lpm	160 49	190 58	195 59	170 52	200 61	205 62	feet meters
	250 950	217 821	250 950	280 1060	gpm lpm	185 56	195 59	215 65	195 59	205 62	225 68	feet meters
	300 1140	260 984	300 1140	335 1268	gpm lpm	185 56	215 65	225 68	195 59	225 68	235 72	feet meters
	350 1325	303 1147	350 1325	391 1480	gpm lpm	185 56	210 64	225 68	195 59	220 67	235 72	feet meters

Assault Nozzles Rated At 75 Psi												
Style	75 PSI Flow Setting	Actual Flow				Straight Stream Reach*						
		75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR		Effective			Overall			
						75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	
4714, 4715 4717, 4720 4814, 4815 4817, 4820 4862, 4863, 4866, 4867	95 360	95 360	110 416	123 466	gpm lpm	107 33	125 38	127 39	117 39	135 41	137 42	feet meters
	125 475	125 475	144 545	161 609	gpm lpm	127 39	130 40	135 41	137 42	140 43	145 44	feet meters
	150 550	150 550	173 655	194 734	gpm lpm	127 39	140 43	145 44	137 42	150 46	155 47	feet meters
	175 660	175 660	202 765	226 855	gpm lpm	127 39	146 45	150 46	137 42	156 48	160 49	feet meters
	200 750	200 750	231 874	258 977	gpm lpm	162 48	170 52	172 52	186 57	194 59	196 58	feet meters
4822, 4823 4824, 4825 4826, 4827 4837	250 950	250 950	289 1094	323 1223	gpm lpm	165 50	176 54	178 54	188 57	196 60	198 60	feet meters
	300 1140	300 1140	346 1310	387 1465	gpm lpm	171 52	179 55	181 55	190 58	198 60	200 61	feet meters

\*Note: Reach figures are measured with nozzle at 32° above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.

Solid Bore Tips*									
Style	Size	Nozzle Pressure		Actual Flow		Straight Stream Reach*			
		PSI	BAR	GPM	LPM	Effective		Overall	
						FEET	METERS	FEET	METERS
1430	1/2"	50	3.5	53	201	97	30	110	34
		80	5.5	66	250	121	37	140	43
	7/8"	50	3.5	159	602	130	40	150	46
		80	5.5	201	761	156	48	175	53
439	1/2"	50	3.5	53	201	94	29	102	31
		80	5.5	66	250	106	32	123	37
	1 5/16"	50	3.5	182	689	142	43	152	46
		80	5.5	230	871	175	53	185	56

Excel 1000™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
1747 3747 5147	75	5	300	1140	260	984	150	46	160	49
			500	1900	425	1646	190	58	200	61
			800	3030	693	2623	215	66	225	69
			1000	3800	866	3278	240	73	250	76
	100	7	300	1140	300	1140	170	52	180	55
			500	1900	500	1900	225	69	235	72
			800	3030	800	3030	242	74	252	77
			1000	3800	1000	3800	280	85	290	88
	125	8.5	300	1140	335	1268	190	58	200	61
			500	1900	560	2120	239	73	249	76
			800	3030	894	3384	270	82	280	85
			1000	3800	1118	4232	290	88	300	91
5148	75	5	800	3030	808	3070	220	67	240	73
			1000	3800	945	3591	240	73	260	79
	125	8.5	800	3030	1045	3971	260	79	280	85
			1000	3800	1015	3857	240	73	260	79
	100	7	1000	3800	1170	4446	260	79	280	85
	125	8.5	1000	3800	-	-	-	-	-	-

SaberMaster™ Solid Bore Flow									
Style	Tip	Nozzle Pressure		Solid Bore Flow		Straight Stream Reach*			
		PSI	BAR	GPM	LPM	Effective		Overall	
						FEET	METERS	FEET	METERS
1545	1 3/8	50	3.5	380	1438	160	49	107	52
	1 3/8	75	5	480	1817	185	56	210	64
	1 3/8	100	7	557	2108	230	70	250	76
	1 3/8	125	8.5	615	2328	240	73	260	79
1578	2"	80	5.5	1065	4030	275	84	285	87
1578	1 1/2	80	5.5	600	2270	210	64	220	67
1578	1 3/8	80	5.5	500	1890	205	62.5	215	65.5

Akromatic® Master Stream Nozzles								
Style	Nozzle Pressure		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	Effective		Overall	
					FEET	METERS	FEET	METERS
5051 5055 5056	100	7	300	1140	170	52	180	55
			500	1900	200	61	210	64
			700	2660	220	67	230	70
			1000	3800	230	70	240	73
			250	950	140	43	150	46
5068 5075	80	5.5	500	1900	185	56	200	61
			750	2900	230	70	240	73
			1000	3800	260	79	270	82
			1250	4800	285	87	295	90
			250	950	140	42	160	48
5160 5177	80	5.5	500	1900	210	64	220	67
			750	2900	245	75	260	79
			1000	3800	270	82	285	86
			1250	4800	295	90	305	93
5170 5071 5178	80	5.5	500	1900	145	44	155	47
			1000	3800	210	64	220	67
			1250	4800	225	69	235	72
			1500	5700	255	78	265	81
			2000	7600	300	91	310	95
5150	75	5	300	1140	130	40	140	43
			500	1900	180	55	190	58
			800	3030	225	69	235	72
			1000	3800	255	78	270	82

\* Pressure varies slightly as flow rate changes on automatic nozzles.

FireFox™ Electric Nozzle Flow/reach Data										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
3293	100	7	30	115	30	115	74	23	84	26
			60	230	60	230	90	27	104	32
			95	360	95	360	120	37	130	40
			125	475	125	475	125	38	135	41
			175	660	175	660	135	41	145	44
			250	950	250	950	155	47	170	52
			350	1325	350	1325	170	52	190	58
			400	1525	400	1525	190	58	200	61
			450	1700	450	1700	200	61	220	67
			500	1900	500	1900	210	64	225	69

Turbomaster™ Master Stream Nozzle										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
1755	75	5	500	1900	433	1646	195	59	205	62
			750	2900	650	2460	215	66	220	67
			1000	3800	866	3278	230	70	240	73
			1250	4800	1083	4099	250	76	260	79
	100	7	500	1900	500	1900	220	67	230	70
			750	2900	750	2900	250	76	260	79
			1000	3800	1000	3800	265	81	275	84
			1250	4800	1250	4800	280	85	290	88
	125	8.5	500	1900	560	2120	245	75	255	78
			750	2900	839	3176	270	82	280	85
			1000	3800	1118	4232	290	88	300	91
			1250	4800	1398	5291	300	91	310	94

TurboMaster Master Stream										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
1745	75	5	250	950	234	889	152	46	162	49
			400	1520	370	1406	190	58	200	61
			550	2100	508	1930	210	64	220	67
			750	2900	672	2554	240	73	250	76
	100	7	250	950	271	1030	170	52	180	55
			400	1520	430	1634	210	64	220	67
			550	2100	588	2234	250	76	260	79
			750	2900	775	2945	260	79	270	82
	125	8.5	250	950	302	1148	195	59	205	62
			400	1520	478	1816	250	76	260	79
			550	2100	650	2470	270	82	280	85
			750	2900	866	3291	273	83	283	86

\* Note: Reach figures are measured with nozzle at 32" above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.



AquaStream™ & Mercury Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
4450 4452	75	5	300	1140	260	984	155	47	165	50
			500	1900	435	1646	180	55	190	58
			700	2660	605	2290	180	55	190	58
*4445 *4447	100	7	300	1140	300	1140	175	53	185	56
			500	1900	500	1900	210	64	220	67
			700	2660	700	2660	205	62	215	66
* 500 gpm MAX	125	8.5	300	1140	335	1268	200	61	220	64
			500	1900	560	2120	230	70	240	73
			700	2660	785	2971	210	64	222	68

Rampage™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
	75	5	500	1900	433	1646	195	59	205	63
			750	2900	650	2460	230	70	240	73
			1000	3800	866	3278	240	73	250	76
4460 4461	100	7	500	1900	500	1900	210	64	220	67
			750	2900	750	2900	265	81	270	82
			1000	3800	1000	3800	275	84	285	87
	125	8.5	500	1900	560	2120	230	70	240	73
			750	2900	839	3176	275	84	285	87
			1000	3800	1118	4232	290	88	300	91

AeroMaster12 Master Stream Nozzle								
Style	Monitor Inlet Pressure		Flow Setting		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	Effective		Overall	
					FEET	METERS	FEET	METERS
3700 3701	145	10	2640	10000	378	115	394	120
			3170	12000	394	120	410	125
With 730	145	10	2640	10000	312	95	328	100
			3170	12000	328	100	394	105

Black Widow™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
2151 2152	100	7	300	1140	300	1140	180	55	-	-
			500	1900	500	1900	210	64	-	-
2156 2158	100	7	700	2660	700	2660	230	70	-	-
			1000	3800	1000	3800	240	73	-	-

\* Note: Reach figures are measured with nozzle at 32° above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.

Akrofoam Master Stream Nozzle								
Style	Nozzle Pressure		Flow Setting		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	Effective		Overall	
					FEET	METERS	FEET	METERS
4470 4471 4475 4480	100	7	350	1300	150	47	170	52
			500	1900	190	58	210	64
			750	2800	215	66	240	73
			1000	3800	245	74	270	82
4478 4479	100	7	750	2800	195	60	205	62
			1000	3800	230	70	240	73
			1500	5700	290	88	300	91
			2000	7600	320	98	325	99

Renegade™ Monitor Nozzles							
Style	Type	GPM	LPM	Straight Stream Reach*			
				Effective		Overall	
				FEET	METERS	FEET	METERS
5088	Automatic	1000	3800	185	56	195	60
		2500	9500	275	84	285	87
		5000	19000				
2189	Adjustable	1000	3800				
		2000	7600				
		3000	11500	280	85	300	92
2188	Fixed	1000	3800				
		2000	7600				
		3000	11500				
		4000	15000	355	108		
		5000	19000				

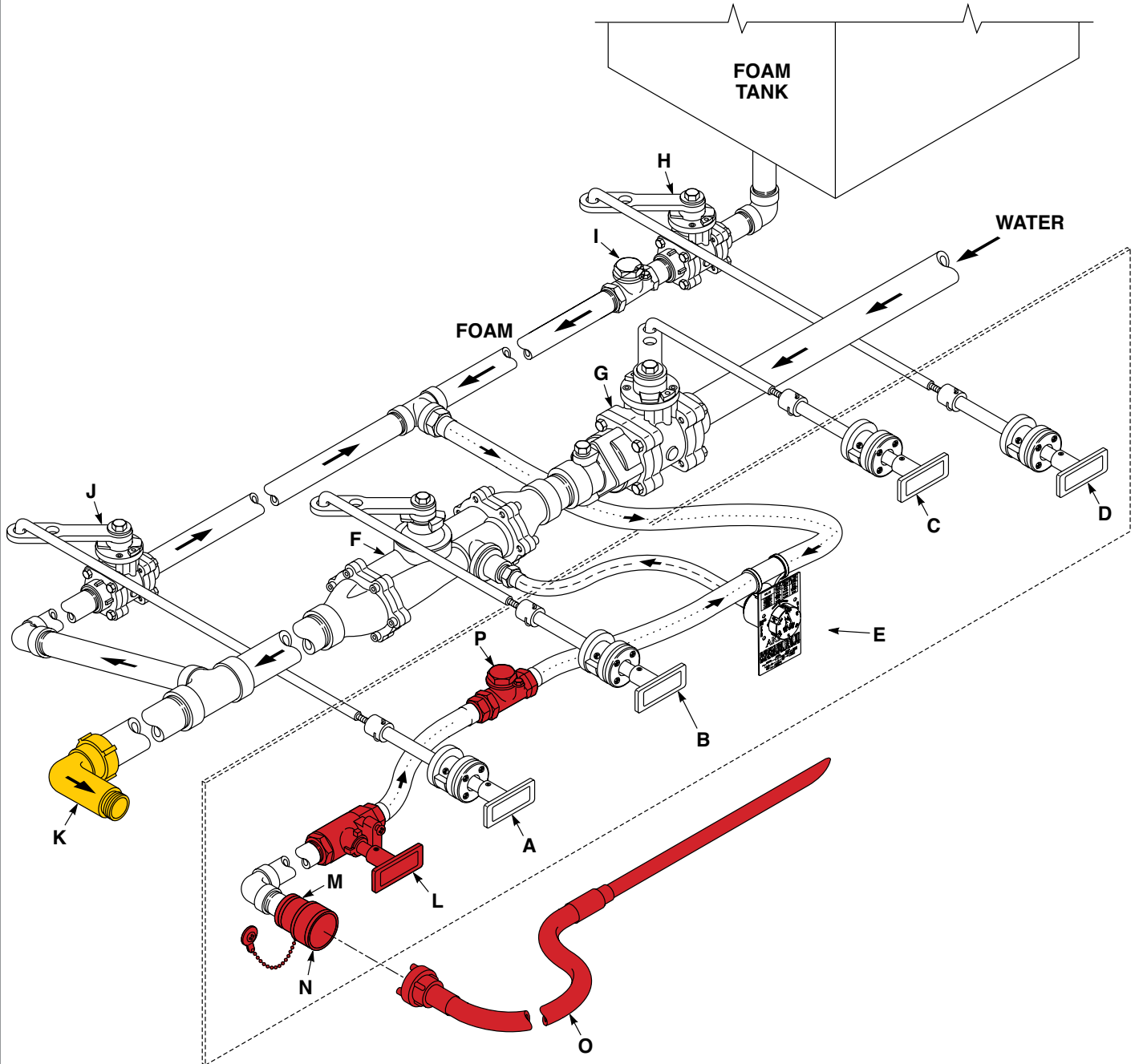
Akrochem			
Straight Stream at 3% AFFF*			
Style	Flow Rate gpm (lpm)	Effective Reach ft (m)	Overall Reach ft (m)
4039, 4040	250 (950)	155 (47)	165 (50)
	500 (1900)	168 (51)	178 (54)
	750 (2900)	205 (62)	215 (65)
	1000 (3800)	222 (68)	232 (71)
	1250 (4800)	232 (71)	242 (74)



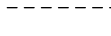

Style	Straight Stream Water only*			Straight Stream 3% AFFF*		Straight Stream 3% AR AFFF*	
	Flow Rate gpm (lpm)	Effective Reach ft (m)	Overall Reach ft (m)	Effective Reach ft (m)	Overall Reach ft (m)	Effective Reach ft (m)	Overall Reach ft (m)
4478	750 (2900)	200 (61)	210 (64)	170 (52)	180 (55)	185 (56)	195 (59)
	1000 (3800)	235 (72)	245 (75)	210 (64)	220 (67)	210 (64)	220 (67)
	1500 (5700)	290 (88)	300 (91)	250 (76)	260 (79)	260 (79)	270 (82)
	2000 (7600)	315 (96)	320 (98)	260 (79)	270 (82)	280 (85)	290 (88)

## Typical Eductor To Crosslay With Off-Truck Foam Access - One Tank

- A: Style 1477 Remote with FLUSH tag
- B: Style 1477 Remote with EDUCTOR tag
- C: Style 1477 Remote with WATER tag
- D: Style 1477 Remote with FOAM tag
- E: Styles 3096 or 3126 Foam Metering Dial
- F: Styles 3096 or 3126 By-Pass Eductor
- G: Style 8820 - P1-S x P30-SCV (Check Valve) x R-1 Swing-Out™ Valve
- H: Style 8810 - P1-S x P1-S x R-1 - 1" Foam Valve

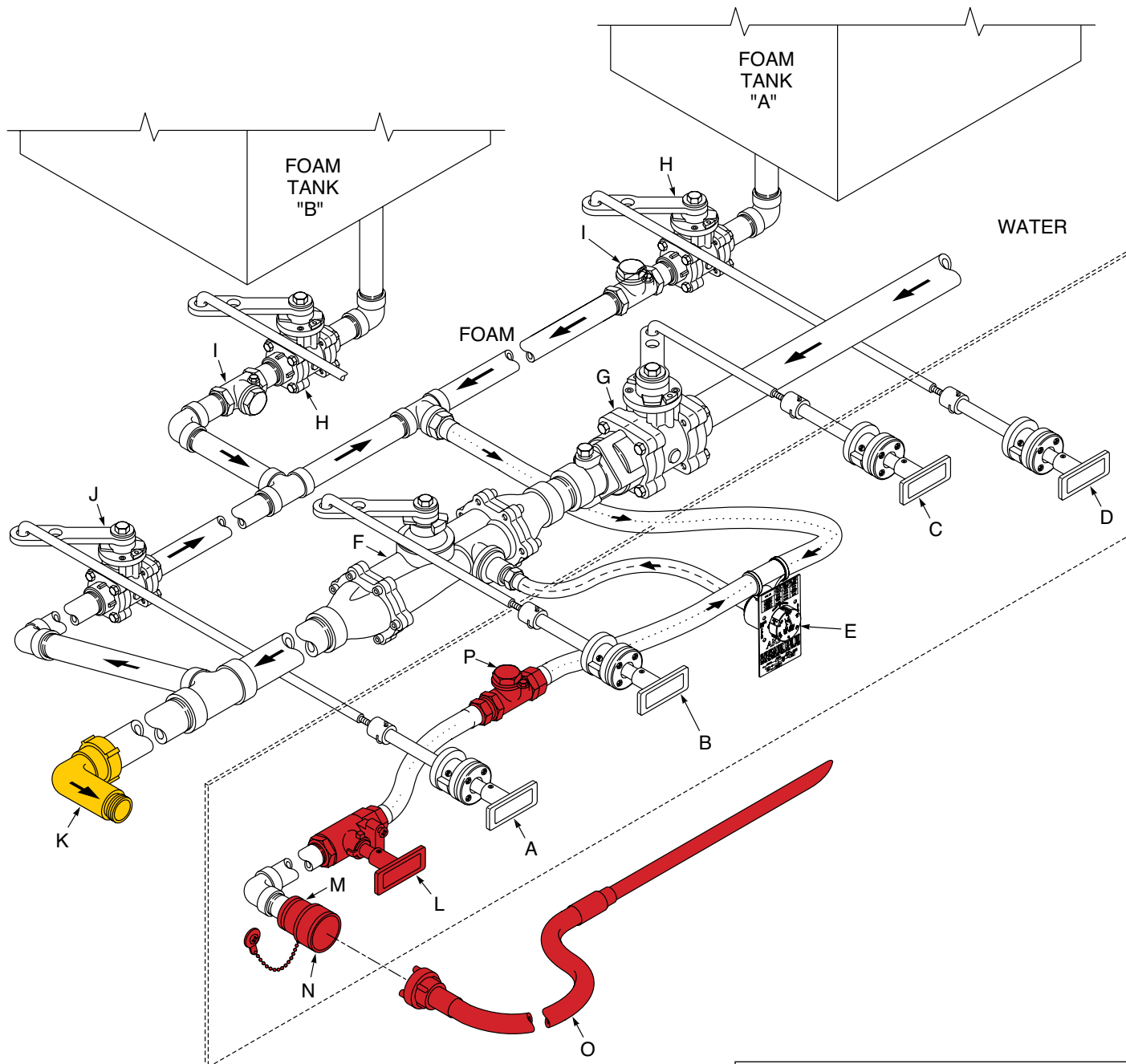
- I: 1" Check Valve
- J: Style 8810 - P1-S x P1-S x R-1 - 1" Flush Valve
- K: Style 635 - 2" NPT x 1 1/2" Crosslay Elbow
- L: Style 57 - 3/4" Off-Truck Foam Valve - In Style 3128 Kit
- M: 25mm Storz x 3/4" NPT Panel Fitting - In Style 3128 Kit
- N: Dust Plug with chain - In Style 3128 Kit
- O: 25mm Storz x 5 ft. Pick-up hose assembly - In Style 3128 Kit
- P: 1" Check Valve - In Style 3128 Kit



	Cross Elbow
	O Truck System STYLE 3128
	Meter to Eductor - 1/2" I.D. Minimum
	Foam to Meter - 3/4" I.D. Minimum

## Typical Eductor To Crosslay With Off-Truck Foam Access - Two Tank

- |  |  |
|--|--|
| <p>A: Style 1477 Remote with FLUSH tag<br/>                 B: Style 1477 Remote with EDUCTOR tag<br/>                 C: Style 1477 Remote with WATER tag<br/>                 D: (2) Style 1477 Remote with FOAM tag<br/>                 E: Styles 3096 or 3126 Foam Metering Dial<br/>                 F: Styles 3096 or 3126 By-Pass Eductor<br/>                 G: Style 8820 - P1-S x P30-SCV (Check Valve) x R-1 Swing-Out™ Valve<br/>                 H: Style 8810 - P1-S x P1-S x R-1 - 1" Foam Valve<br/>                 I: 1" Check Valve</p> | <p>J: Style 8810 - P1-S x P1-S x R-1 - 1" Flush Valve<br/>                 K: Style 635 - 2" NPT x 1 1/2" Crosslay Elbow<br/>                 L: Style 57 - 3/4" Off-Truck Foam Valve - In Style 3128 Kit<br/>                 M: 25mm Storz x 3/4" NPT Panel Fitting - In Style 3128 Kit<br/>                 N: Dust Plug with chain - In Style 3128 Kit<br/>                 O: 25mm Storz x 5 ft. Pick-up hose assembly - In Style 3128 Kit<br/>                 P: 1" Check Valve - In Style 3128 Kit</p> |
|--|--|



	Cross Elbow
	O Truck System STYLE 3128
	Meter to Eductor - 1/2" I.D. Minimum
	Foam to Meter - 3/4" I.D. Minimum

The following is a listing of the most commonly used threads. However, Akron Brass has the ability to cut many other threads required by the fire service.

Akron identifies all unique threads with a 3-letter Thread Code. Simply use the code when ordering Akron product to obtain a proper fit. If this is not possible, either indicate the city and state of use or supply a copy of thread specifications.

Distinct Threads																								
Size	National Standard Nh (Nst)*			Straight Iron Pipe Npsh (Ipt)			New York Corporation Nyc			Pacifica Coast Pct			New York Fire Dept. Fdny			Chicago Fire Dept			Chicago Hose			British Standard Pipe Thread Bsp†		
	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code
3/4"	1.375	8	AAP	1.0353*	14	AAA	-	-	-	1.0625	11	AAD	-	-	-	-	-	-	1.081	11 1/2	AAF	1.041	14	AAB
1"	1.375	8	AAP	1.295*	11 1/2	AJ	-	-	-	1.3125	11 1/2	AAL	1.66	8	AAS	-	-	-	1.2951	11 1/2	AAI	1.309	11	AAK
1 1/4"	1.6718	9	ACF	1.6399*	11 1/2	ACB	-	-	-	1.86	11	ACH	-	-	-	-	-	-	1.705	11 1/2	ACG	1.65	11	ACD
1 1/2"	1.99	9	ABM	1.8788*	11 1/2	AAY	2.093	11	ABQ	2.1	11	ABT	2.1	8	ABU	1.933	11 1/2	ABE	1.952	11 1/2	ABH	1.882	11	AAZ
2"	2.5156	8	ACM	2.3528*	11 1/2	ACK	2.561	11	ACP	2.55	10	ACQ	-	-	-	-	-	-	2.522	8	ACO	2.347	11	ACJ
2 1/2"	3.0686	7 1/2	AGL	2.841*	8	ACV	3	8	AEF	3.046	7 1/2	AFJ	3.03	8	AFB	2.99	7 1/2	ADZ	3.046	7	AFD	2.96	11	ADL
3"	3.6239	6	ALC	3.47	8	AKY	-	-	-	-	-	-	3.63	8	ALE	-	-	-	-	-	-	3.46	11	AKX
3 1/2"	4.2439	6	ALS	3.97	8	ALJ	-	-	-	-	-	-	4.07	8	ALN	4.052	8	ALL	-	-	-	-	-	-
4"	5.0109	4	ANT	4.47	8	ALV	-	-	-	-	-	-	4.61	8	AMA	5.011	4	ANT	-	-	-	4.45	11	ASB
4 1/2"	5.7609	4	APV	4.97	8	AOP	-	-	-	-	-	-	5.8	4	APX	5.761	4	APV	-	-	-	4.95	11	BAN
5"	6.26	4	ARD	5.535	8	APZ	-	-	-	-	-	-	-	-	-	6.26	4	ARD	-	-	-	5.45	11	AUD
6"	7.025	4	ARQ	6.592	8	ARF	-	-	-	-	-	-	-	-	-	7.025	4	AUJ	-	-	-	6.45	11	AUI

1 1/2" Underwriters Playpipe (PPS) - 2.1875 ODM, 12 TPI (ABX)  
 1/2" Garden Hose Thread (GHT) - 1.0625 ODM, 11 1/2 TPI (AAE)

\* National Form Thread  
 † Whitworth Form Thread

ODM = Outside Diameter of Male  
 TPI = Threads Per Inch

Abbreviation for tapered iron pipe threads in NPT (National Pipe Tapered) or TIPT.  
 Abbreviation for straight iron pipe threaded is NPSH, IPT or SIPT.

**NOTE: NPT Thread Not Available in Female Swivels**

Flanges			
American Standards Association (ASA) Flange	2 1/2"	3"	4"
Outside Diameter	7"	7 1/2"	9"
Bolt Circle Diameter	5 1/2"	6"	7 1/2"
Bolt Size	5/8"	5/8"	5/8"
Number of Bolt Holes	4	4	8

**Hose, Coupling & Nozzle Inlet Sizes**  
 This chart is typically applicable to NH/NST fire hose thread

Hose Size	Coupling Size	Hand Line Nozzle Inlet Size
3/4"	1"	1"
1"	1"	1"
1 1/2"	1.5"	1.5"
1 3/4"	1.5"	1.5"
2"	1.5"	1.5"
2 1/2"	2.5"	2.5"
3"	2.5"	2.5"

Canadian Standard 2 1/2" Hose Threads				
Size	Description	Thread Codes	Odm	Tpi
2 1/2"	AMA - Alberta Mutual Aid	AEA	2.99	8*
2 1/2"	BCT - British Columbia	AEH	3	8*
2 1/2"	CSA - Canadian Standards Association - Ontario - All	All	3.125	5*
2 1/2"	QST - Province of Quebec Standard	AFD	3.031	7
2 1/2"	Western Canada Fire Underwriters Association	AKB	3.25	6
2 1/2"	Nova Scotia - Zone 1	AJN	3.23	5

\*National Form Thread

Suction Hose Threads (Reference Only)												
	4			4 1/2"			5"			6"		
	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code
American La France	5.085	4	AOC	5.7609**	4	APW	6.15	4	AQO	7.000**	4	ARP
Mack Truck	5.0109**	4	ANT	5.7609**	4	APV	-	-	-	6.9559	4	ARJ
Maxim	5.000**	4	ANR	5.750**	4	APW	6.250**	4	ARB	7.000**	4	ARP
Seagrave FWD	4.955	4	ANR	-	-	-	6.055	4	AQJ	7.055	4	ART
Ward La France	5.0109**	4	ANT	5.7609**	4	AUR	6.260**	4	ARD	7.025**	4	ARQ
Hale Products	5.010**	4	ANT	5.760**	4	APW	6.260**	4	ARD	7.025**	4	ARQ
Waterous Fire	5.0109**	4	ANT	5.7609**	4	APV	6.260**	4	ARD	7.261	4	ARW
										Also uses NH		
										7.025**	4	ARQ

\*\* Falls within the range of NH Thread

All dimensions shown are the Maximum ODM



Liquid Volume		
To Convert	Into	Multiply by
Ounces (oz)	Milliliters (ml)	29.57
Pints (pt)	Liters (l)	0.4732
Quarts (qt)	Liters (l)	0.9464
Gallons (gal)	Liters (l)	3.785
Milliliters (ml)	Ounces (oz)	0.0338
Liters (l)	Pints (pt)	2.113
Liters (l)	Quarts (qt)	1.057
Liters (l)	Gallons (gal)	0.2642
Pressure		
To Convert	Into	Multiply by
Pounds per square inch (psi)	Kilopascals (kPa)	6.895
Pounds per square inch (psi)	bar	0.06895
Kilopascals (kPa)	Pounds per square inch (psi)	0.145
Kilopascals (kPa)	bar	0.01
bar	Pounds per square inch (psi)	14.503
bar	Kilopascals (kPa)	100
Length		
To Convert	Into	Multiply by
Inches (in)	Millimeters (mm)	25.4
Inches (in)	Centimeters (cm)	2.54
Feet (ft)	Centimeters (cm)	30.48
Feet (ft)	Meters (m)	0.3048
Yards (yd)	Meters (m)	0.914
Miles (mi)	Kilometers (km)	1.609
Millimeters (mm)	Inches (in)	0.039
Centimeters (cm)	Inches (in)	0.394
Meters (m)	Feet (ft)	3.282
Kilometers (km)	Miles (mi)	0.6214
Area		
To Convert	Into	Multiply by
Square Inches (in <sup>2</sup> )	Square Centimeters (cm <sup>2</sup> )	6.452
Square Feet (ft <sup>2</sup> )	Square Meters (m <sup>2</sup> )	0.093
Square Yards (yds <sup>2</sup> )	Square Meters (m <sup>2</sup> )	0.836
Square Miles (mi <sup>2</sup> )	Square Kilometers (km <sup>2</sup> )	2.59
Square Centimeters (cm <sup>2</sup> )	Square Inches (in <sup>2</sup> )	0.155
Square Meters (m <sup>2</sup> )	Square Yards (yds <sup>2</sup> )	1.196
Square Kilometers (km <sup>2</sup> )	Square Miles (mi <sup>2</sup> )	0.386
Hose Sizes		
1" Hose	=	25.4 mm
1 1/2" Hose	=	38.1 mm
1 3/4" Hose	=	44.5 mm
2" Hose	=	50.8 mm
2 1/2" Hose	=	63.5 mm
3" Hose	=	76.2 mm
3 1/2" Hose	=	88.9 mm
Tip Sizes		
3/4" Tip	=	19 mm
7/8" Tip	=	22 mm
1" Tip	=	25 mm
1 1/8" Tip	=	29 mm
1 1/4" Tip	=	32 mm
1 3/8" Tip	=	35 mm

Solid Volume		
To Convert	Into	Multiply by
Ounces (oz)	Grams (g)	28.3495
Pounds (lb)	Kilograms (kg)	0.4536
Grams (g)	Ounces (oz)	0.035
Kilograms (kg)	Pounds (lb)	2.205
Pressures		
50 psi	=	345 kPa = 3.45 bar
60 psi	=	414 kPa = 4.14 bar
70 psi	=	488 kPa = 4.88 bar
75 psi	=	517 kPa = 5.17 bar
80 psi	=	552 kPa = 5.52 bar
90 psi	=	621 kPa = 6.21 bar
100 psi	=	690 kPa = 6.90 bar
150 psi	=	1034 kPa = 10.34 bar
200 psi	=	1379 kPa = 13.79 bar
250 psi	=	1723 kPa = 17.23 bar
300 psi	=	2069 kPa = 20.69 bar
350 psi	=	2413 kPa = 24.13 bar
580 psi	=	3999 kPa = 39.99 bar
700 psi	=	4827 kPa = 48.27 bar
Flow		
Flow Rate	Exact LPM	Akron Standard
12 gpm	=	45.42 lpm = 45 lpm
13 gpm	=	49.20 lpm = 50 lpm
15 gpm	=	56.78 lpm = 60 lpm
20 gpm	=	75.70 lpm = 75 lpm
23 gpm	=	87.06 lpm = 90 lpm
25 gpm	=	94.62 lpm = 95 lpm
30 gpm	=	113.55 lpm = 115 lpm
40 gpm	=	151.40 lpm = 150 lpm
50 gpm	=	189.25 lpm = 190 lpm
60 gpm	=	227.10 lpm = 230 lpm
70 gpm	=	264.95 lpm = 265 lpm
75 gpm	=	283.88 lpm = 285 lpm
85 gpm	=	321.73 lpm = 320 lpm
95 gpm	=	359.58 lpm = 360 lpm
100 gpm	=	378.50 lpm = 380 lpm
120 gpm	=	454.20 lpm = 460 lpm
125 gpm	=	473.13 lpm = 475 lpm
150 gpm	=	567.75 lpm = 550 lpm
175 gpm	=	662.38 lpm = 660 lpm
200 gpm	=	757.00 lpm = 750 lpm
250 gpm	=	946.25 lpm = 950 lpm
300 gpm	=	1135.50 lpm = 1140 lpm
350 gpm	=	1324.75 lpm = 1325 lpm
375 gpm	=	1419.38 lpm = 1420 lpm
400 gpm	=	1514.00 lpm = 1525 lpm
450 gpm	=	1703.25 lpm = 1700 lpm
500 gpm	=	1892.50 lpm = 1900 lpm
550 gpm	=	2081.75 lpm = 2100 lpm
700 gpm	=	2649.50 lpm = 2660 lpm
750 gpm	=	2838.75 lpm = 2900 lpm
800 gpm	=	3028.00 lpm = 3030 lpm
1000 gpm	=	3785.00 lpm = 3800 lpm
1200 gpm	=	4542.00 lpm = 4500 lpm
1250 gpm	=	4731.25 lpm = 4800 lpm
1500 gpm	=	5677.50 lpm = 5700 lpm
2000 gpm	=	7570.00 lpm = 7600 lpm



## Solid Bore Nozzles Rated at 50 PSI

Nozzle Pressure* (PSI)	Gallons Per Minute (GPM)										Pounds Reaction Force † (RF)								
	Solid Bore Diameter (Inches)																		
	3/8"	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	1 3/16"	1 1/4"	1 3/8"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"		
40	26	47	73	106	144	165	188	238	265	294	355	423	575	752	951	1174	1421	gpm	
	9	16	25	35	48	55	63	79	89	98	119	141	192	251	318	393	475	rf	
45	28	50	78	112	153	175	199	252	281	311	377	448	610	797	1009	1246	1507	gpm	
	10	18	28	40	54	62	71	89	100	110	134	159	216	283	358	442	534	rf	
50	30	53	82	118	161	185	210	266	296	328	397	473	643	840	1064	1313	1589	gpm	
	11	20	31	44	60	69	79	99	111	123	148	177	240	314	397	491	594	rf	
55	31	55	86	124	169	194	220	279	309	344	417	496	675	881	1115	1377	1666	gpm	
	12	22	34	49	66	76	86	109	122	135	163	194	264	345	437	540	653	rf	
60	32	58	90	129	176	202	230	291	325	360	435	518	705	921	1165	1438	1740	gpm	
	13	24	37	53	72	83	94	119	133	147	178	212	288	377	477	589	712	rf	
65	34	60	94	135	183	211	240	303	338	374	453	539	734	958	1213	1497	1811	gpm	
	14	26	40	57	78	90	102	129	144	159	193	230	313	408	517	638	772	rf	
70	35	62	97	140	190	218	249	315	351	388	470	559	761	994	1258	1554	1880	gpm	
	15	27	43	62	84	97	110	139	155	172	208	247	337	440	556	687	831	rf	
75	36	64	101	145	197	226	257	326	363	402	486	579	788	1029	1303	1608	1946	gpm	
	17	29	46	66	90	103	118	149	166	184	223	265	361	471	596	736	890	rf	
80	37	66	104	149	203	234	266	336	375	415	502	598	814	1063	1345	1661	2010	gpm	
	18	31	49	71	96	110	126	159	177	196	237	283	385	502	636	785	950	rf	
85	39	68	107	154	210	241	274	347	386	428	518	616	839	1096	1387	1712	2071	gpm	
	19	33	52	75	102	117	133	169	188	209	252	300	409	534	676	834	1009	rf	
90	40	70	110	159	216	248	282	357	397	440	533	634	863	1127	1427	1762	2132	gpm	
	20	35	55	79	108	124	141	179	199	221	267	318	433	565	715	883	1069	rf	
95	41	72	113	163	222	255	290	366	408	452	547	652	887	1158	1466	1810	2190	gpm	
	21	37	58	84	114	131	149	189	210	233	282	336	457	597	755	932	1128	rf	
100	42	74	116	167	227	261	297	376	419	464	562	668	910	1188	1504	1857	2247	gpm	
	22	39	61	88	120	138	157	199	221	245	297	353	481	628	795	981	1187	rf	
105	43	76	119	171	233	268	304	385	429	476	576	685	932	1218	1541	1903	2302	gpm	
	23	41	64	93	126	145	165	209	232	258	312	371	505	659	835	1030	1247	rf	
110	44	78	122	175	239	274	312	394	439	487	589	701	954	1246	1577	1948	2356	gpm	
	24	43	67	97	132	152	173	219	244	270	327	389	529	691	874	1079	1306	rf	
115	45	80	124	179	244	280	319	403	449	498	602	717	976	1274	1613	1991	2409	gpm	
	25	45	71	102	138	159	181	229	255	282	341	406	553	722	914	1128	1365	rf	
120	46	81	127	183	249	286	325	412	459	509	615	732	997	1302	1648	2034	2461	gpm	
	26	47	74	106	144	166	188	238	266	294	356	424	577	754	954	1178	1425	rf	
125	47	83	130	187	254	292	332	420	468	519	628	747	1017	1329	1682	2076	2512	gpm	
	28	49	77	110	150	172	196	248	277	307	371	442	601	785	994	1227	1484	rf	
130	48	85	132	191	259	298	339	429	478	529	640	762	1037	1355	1715	2117	2562	gpm	
	29	51	80	115	156	179	204	258	288	319	386	459	625	816	1033	1276	1544	rf	
135	49	86	135	194	264	303	345	437	487	539	653	777	1057	1381	1748	2157	2611	gpm	
	30	53	83	119	162	186	212	268	299	331	401	477	649	848	1073	1325	1603	rf	
140	49	88	137	198	269	309	352	445	496	549	665	791	1077	1406	1780	2197	2658	gpm	
	31	55	86	124	168	193	220	278	309	343	416	495	673	879	1113	1374	1662	rf	
145	50	89	140	201	274	314	358	453	504	559	676	805	1096	1431	1811	2236	2706	gpm	
	32	57	89	128	174	200	228	288	321	356	430	512	697	911	1152	1423	1722	rf	
150	51	91	142	205	279	320	364	461	513	569	688	819	1114	1455	1842	2274	2752	gpm	
	33	59	92	132	180	207	236	298	332	368	445	530	721	942	1192	1472	1781	rf	
175	55	98	154	221	301	345	393	497	554	614	743	884	1204	1572	1990	2456	2972	gpm	
	39	69	107	155	210	241	275	348	387	429	519	618	841	1099	1391	1717	2078	rf	
200	59	105	164	236	322	369	420	532	592	657	794	945	1287	1681	2127	2626	3177	gpm	
	44	79	123	177	240	276	314	397	443	491	594	707	962	1256	1590	1963	2375	rf	

References: National Fire Protection Association (NFPA) Fire Protection Handbook - 17th Edition International Fire Service Training Association (IFSTA) Fire Protection Publications - Fire Stream Practices - 7th Edition

\* Nozzle Pressure Measured with Pitot Gauge  
 † Reaction Force measured in pounds

Solid Bore Discharge Formula:  $GPM = 29.71D^2\sqrt{NP}$   
 Solid Bore Reaction Formula:  $NR = 1.57D^3NP$

D = Bore Diameter, NP = Nozzle Pressure (psi) Pitot Pressure

# Technical Data: Theoretical Discharge & Reaction



Fog Nozzles Rated at 100 PSI																	
GPM Setting	Gallons Per Minute (gpm)									Pounds Reaction Force† (rf)							
	Nozzle Pressure At Inlet (PSI)																
	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	
13	9	10	10	10	11	11	12	12	13	13	13	14	14	14	15		gpm
	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	rf
20	14	15	15	16	17	17	18	18	19	19	20	20	21	21	22	22	gpm
	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	rf
25	18	19	19	20	21	22	22	23	24	24	25	26	26	27	27	28	gpm
	6	7	7	8	9	10	10	11	11	12	13	13	14	15	16	16	rf
30	21	22	23	24	25	26	27	28	28	29	30	31	31	32	33	34	gpm
	8	8	9	10	11	11	12	13	14	14	15	16	17	17	18	19	rf
40	28	30	31	32	33	35	36	37	38	39	40	41	42	43	44	45	gpm
	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	rf
60	42	44	46	48	50	52	54	55	57	58	60	61	63	64	66	67	gpm
	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	rf
95	67	70	74	77	79	82	85	88	90	93	95	97	100	102	104	106	gpm
	24	26	29	31	34	36	38	41	43	46	48	50	53	55	58	60	rf
100	71	74	77	81	84	87	89	92	95	97	100	102	105	107	110	112	gpm
	25	28	30	33	35	38	40	43	45	48	51	53	56	58	61	63	rf
125	88	93	97	101	105	108	112	115	119	122	125	128	131	134	137	140	gpm
	32	35	38	41	44	47	51	54	57	60	63	66	69	73	76	79	rf
150	106	111	116	121	125	130	134	138	142	146	150	154	157	161	164	168	gpm
	38	42	45	49	53	57	61	64	68	72	76	80	83	87	91	95	rf
200	141	148	155	161	167	173	179	184	190	195	200	205	210	214	219	224	gpm
	51	56	61	66	71	76	81	86	91	96	101	106	111	116	121	126	rf
250	177	185	194	202	209	217	224	230	237	244	250	256	262	268	274	280	gpm
	63	69	76	82	88	95	101	107	114	120	126	133	139	145	152	158	rf
300	212	222	232	242	251	260	268	277	285	292	300	307	315	322	329	335	gpm
	76	83	91	98	106	114	121	129	136	144	152	159	167	174	182	189	rf
375	265	278	290	302	314	325	335	346	356	366	375	384	393	402	411	419	gpm
	95	104	114	123	133	142	152	161	170	180	189	199	208	218	227	237	rf
500	354	371	387	403	418	433	447	461	474	487	500	512	524	536	548	559	gpm
	26	139	152	164	177	189	202	215	227	240	253	265	278	290	303	316	rf
700	495	519	542	564	586	606	626	645	664	682	700	717	734	751	767	783	gpm
	177	194	212	230	247	265	283	300	318	336	354	371	389	407	424	442	rf
750	530	556	581	605	627	650	671	691	712	731	750	769	787	804	822	839	gpm
	189	208	227	246	265	284	303	322	341	360	379	398	417	436	455	473	rf
1000	707	742	775	806	837	866	894	922	949	975	1000	1025	1049	1072	1095	1118	gpm
	253	278	303	328	354	379	404	429	455	480	505	530	556	581	606	631	rf
1250	884	927	968	1008	1046	1083	1118	1152	1186	1218	1250	1281	1311	1340	1369	1398	gpm
	316	347	379	410	442	473	505	537	568	600	631	663	694	726	758	789	rf
1500	1061	1112	1162	1209	1255	1299	1342	1383	1423	1462	1500	1537	1573	1609	1643	1677	gpm
	379	417	455	492	530	568	606	644	682	720	758	795	833	871	909	947	rf
1750	1237	1298	1356	1411	1464	1516	1565	1613	1660	1706	1750	1793	1835	1877	1917	1957	gpm
	442	486	530	574	619	663	707	751	795	840	884	928	972	1016	1061	1105	rf
2000	1414	1483	1549	1612	1673	1732	1789	1844	1897	1949	2000	2049	2098	2145	2191	2236	gpm
	505	556	606	657	707	758	808	859	909	960	1010	1061	1111	1162	1212	1263	rf
3000	2121	2225	2324	2419	2510	2598	2683	2766	2846	2924	3000	3074	3146	3217	3286	3354	gpm
	758	833	909	985	1061	1136	1212	1288	1364	1439	1515	1591	1667	1742	1818	1894	rf
4000	2828	2966	3098	3225	3347	3464	3578	3688	3795	3899	4000	4099	4195	4290	4382	4472	gpm
	1010	1111	1212	1313	1414	1515	1616	1717	1818	1919	2020	2121	2222	2323	2424	2525	rf
5000	3536	3708	3873	4031	4183	4330	4472	4610	4743	4873	5000	5123	5244	5362	5477	5590	gpm
	1263	1389	1515	1641	1768	1894	2020	2146	2273	2399	2525	2651	2778	2904	3030	3156	rf

Fog Nozzle Discharge Formula:  $GPM = \frac{\text{Rated Flow} \times \sqrt{NP}}{\sqrt{\text{Rated NP}}}$

Fog Nozzle Reaction Formula:  $NR = 0.0505Q\sqrt{NP}$

NP = Nozzle Pressure (psi), Q = Flow (gpm)

References: National Fire Protection Association (NFPA) Fire Protection Handbook - 17th Edition  
International Fire Service Training Association (IFSTA) Fire Protection Publications - Fire Stream Practices - 7th Edition

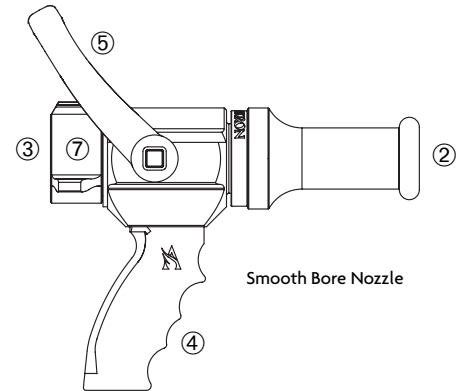
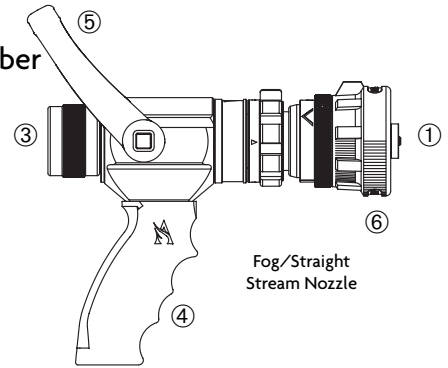
† Reaction Force measured in pounds

## Akron Brass Handline Nozzle Order Checklist

There are many options for handline nozzles from Akron Brass. When ordering nozzles, this checklist is designed to help you choose exactly what you need. Please reference [akronbrass.com](http://akronbrass.com) or the Akron Brass catalog for the complete set of options\*.

### Standard Options (Must be specified on your PO\*)

- Akron Brass Brand Name, Style Number and/or 8-digit Part Number
- Quantity
- Flow Rate for Fog Tips or Nozzle (GPM or LPM) ①
- Pressure for Fog Tips or Nozzle (psi, bar, kPa) ①
- Discharge (orifice) Tip Size if Smooth Bore Nozzle or Tip ②
- Inlet ③
  - o Size (1.5", 2.5", 52 mm, etc.)
  - o Type (threaded swivel, BIM, JIM, Storz, etc.)
  - o Thread specification (NH, BSP, ABM, etc.)
- Pistol Grip ④
  - o Yes or No
  - o Color – Black is standard
- Handle ⑤
  - o Color – Black is standard
- Bumper ⑥
  - o Color (if available) – Black is standard



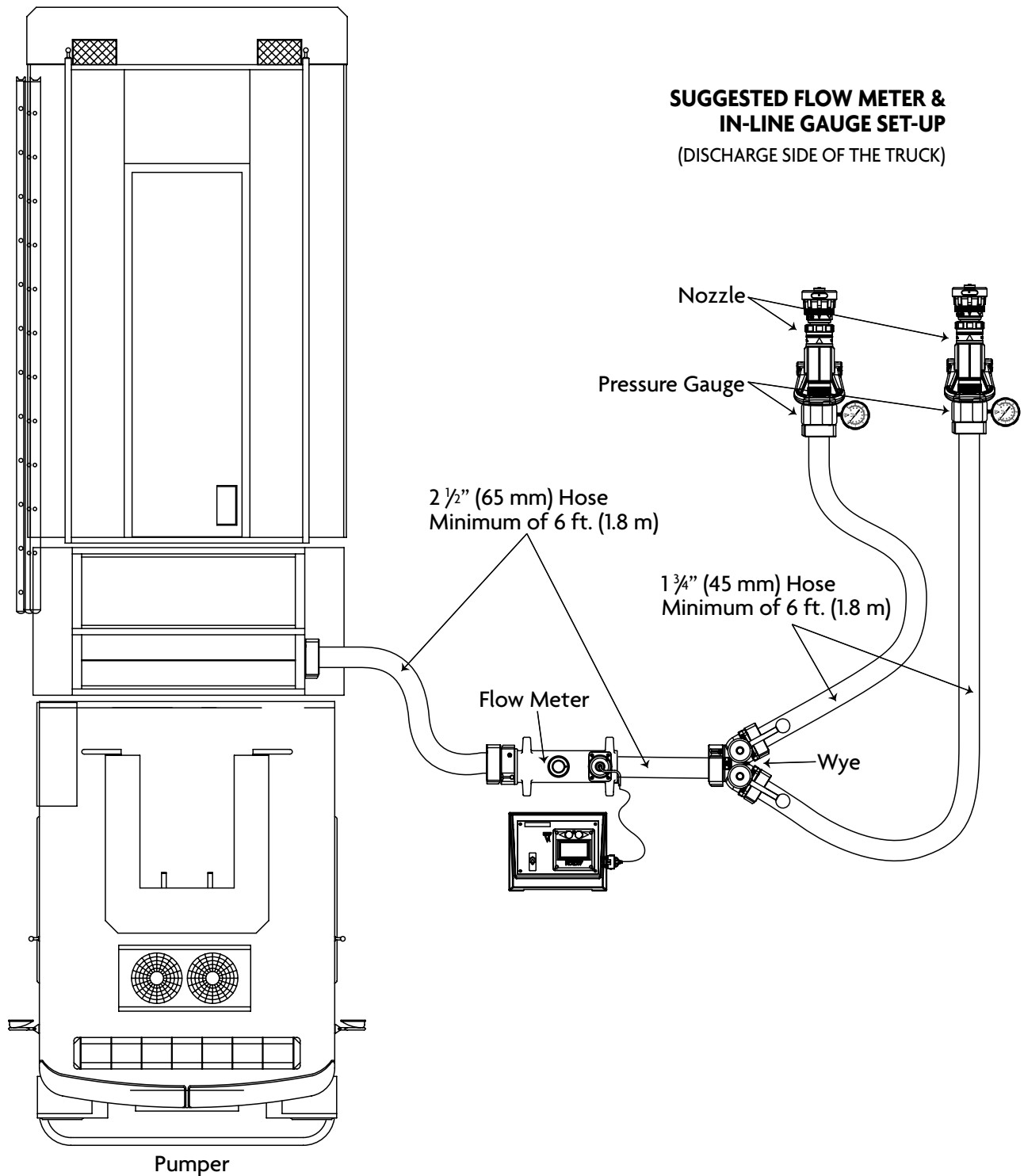
### Special Options and Considerations

- Custom Etching ⑦
- Certifications including NFPA, CE, FM, MED, SOLAS, U.S. Coast Guard, U.S. Navy
  - If ordering In-line or bypass eductors with nozzles, eductor flow must match the flow of the nozzles
- Verify whether non-twist shutoff or twist shutoff tip is required for break-apart nozzles
- Make sure the metals match between shutoffs and tips – example: Pyrolite Shutoff with Pyrolite Tips, Chrome Shutoff with Chrome Tips

### Nozzle Accessories\*

- Stream shaper
- Quick-Attack or Mid-X Medium Expansion Foam Tube

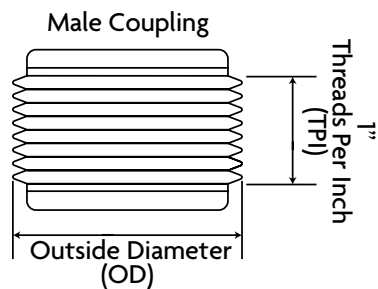
\*Options listed may not be available with all nozzles. Reference [akronbrass.com](http://akronbrass.com) or the Akron Brass catalog for a complete set of options.



**SUGGESTED FLOW METER & IN-LINE GAUGE SET-UP**  
(DISCHARGE SIDE OF THE TRUCK)

### Special Thread Measurement Description

To determine the thread size, you need to know both dimensions Threads Per Inch and Outside Diameter (TPI and OD). You can look at any Akron Brass swivel for a 3 letter code for reference (except NH).



The diagram shows a side view of a pumper truck with various components labeled and linked to form fields for technical data. The labels and their corresponding form fields are as follows:

- Scene Lights** (with Poles & Portable): 3 horizontal lines
- Reels**: 3 horizontal lines
- Monitors & Nozzles**: 3 horizontal lines
- Scene Lights**: 3 horizontal lines
- Brow & Marker Lights**: 3 horizontal lines
- Interior Dome & Stepwell Lights**: 3 horizontal lines
- Perimeter Warning Lights**: 3 horizontal lines
- Valves, Fittings & Plumbing Hardware**: 3 horizontal lines
- Compartment/Pump Panel Lights**: 3 horizontal lines
- Marker & Ground Illumination Lights**: 3 horizontal lines
- DOT Lights, Step Area Lights & License Plate Light**: 3 horizontal lines
- Multiplexing (including Display Preference)**: 3 horizontal lines
- Loose Equipment (i.e. Spanner Wrenches, Portable Monitors, Gate Valves)**: 3 horizontal lines



**Tested... Proven... Trusted.**



## Reels

- ERWC Electric Rewind Cord Reels ..... Quantity \_\_\_\_\_

## Monitors & Nozzles

### Monitors-Electric

- 3440 DeckMaster ..... Quantity \_\_\_\_\_
- 3600 Optional Wireless Remote Control ..... Quantity \_\_\_\_\_
- 3406 Optional 12" Electric Riser ..... Quantity \_\_\_\_\_
- 3482 StreamMaster II (1250 gpm) ..... Quantity \_\_\_\_\_
- 3480 StreamMaster II (2000 gpm) ..... Quantity \_\_\_\_\_

### Nozzle - Electric

- 1578 SaberMaster ..... Quantity \_\_\_\_\_
- 5177 Akromatic 1250 ..... Quantity \_\_\_\_\_
- 5178 Akromatic 2000 ..... Quantity \_\_\_\_\_

### Monitors-Manual

- 3416 Apollo - Single Inlet ..... Quantity \_\_\_\_\_
- 3423 Apollo - Dual Inlet ..... Quantity \_\_\_\_\_
- 3431 Apollo HiRiser ..... Quantity \_\_\_\_\_
- 3483 StreamMaster II (1250 gpm) ..... Quantity \_\_\_\_\_
- 3431 StreamMaster II (2000 gpm) ..... Quantity \_\_\_\_\_

### Nozzle - Manual

- 5160 Akromatic 1250 ..... Quantity \_\_\_\_\_
- 1745 TurboMaster 750 ..... Quantity \_\_\_\_\_
- 1755 TurboMaster 1250 ..... Quantity \_\_\_\_\_
- 1757 Turbomaster 1000 ..... Quantity \_\_\_\_\_
- 2499 Stacked Tips w/3485 Stream Shaper ..... Quantity \_\_\_\_\_
- 3499 Stacked Tips w/3485 Stream Shaper ..... Quantity \_\_\_\_\_

## Valve, Fittings & Plumbing Hardware

- 57 Drain Valve- 3/4" for use with each discharge valve ..... Quantity \_\_\_\_\_
- 53 Relief Valve - one per pump ..... Quantity \_\_\_\_\_
- 345 Caps ..... Quantity \_\_\_\_\_
- 347 Plugs ..... Quantity \_\_\_\_\_
- 630 Discharge Elbow ..... Quantity \_\_\_\_\_
- 635 Crosslay Swivel Elbow ..... Quantity \_\_\_\_\_
- 650 Swivel Joints ..... Quantity \_\_\_\_\_
- 1477 Push-Pull Rod - Remote Valve Control ..... Quantity \_\_\_\_\_
- 3061, 3096, & 3126 Foam System - Truck By-Pass Eductor Foam System ..... Quantity \_\_\_\_\_
- 3128 Off-Truck Foam Access Kit ..... Quantity \_\_\_\_\_
- 7940 - 7960 Butterfly ..... Quantity \_\_\_\_\_
- 7982-7983 Revolution Intake Valve ..... Quantity \_\_\_\_\_
- 8600 Electric Swing Out Valves ..... Quantity \_\_\_\_\_
- 8600 Gear Actuated Swing Out Valves ..... Quantity \_\_\_\_\_
- 8800 Swing Out Valves - Remote Actuated ..... Quantity \_\_\_\_\_
- 9300 Flow Meter ..... Quantity \_\_\_\_\_
- 9333 Valve Controller - Electric ..... Quantity \_\_\_\_\_
- 9335 Valve Controller - Electric ..... Quantity \_\_\_\_\_
- Valve Position Indicator- Gear Actuated Valves ..... Quantity \_\_\_\_\_

## Scene Lights (Cab or Body Surface Mount)

- 3862 3 x 7 HID ..... Quantity \_\_\_\_\_
- 4662 4 x 6 HID ..... Quantity \_\_\_\_\_
- 7862 7x 9 HID ..... Quantity \_\_\_\_\_
- 3800 Series 3 x 7 Halogen ..... Quantity \_\_\_\_\_
- 4600 Series 4 x 6 Halogen ..... Quantity \_\_\_\_\_
- 7800 Series 7 x9 Halogen ..... Quantity \_\_\_\_\_
- V375 Diamondback 3 x 7 LED (600 lumen) ..... Quantity \_\_\_\_\_
- V465 Diamondback 4 x 6 LED (600 lumen) ..... Quantity \_\_\_\_\_
- V795 Diamondback 7 x 9 LED (1,200 lumen) ..... Quantity \_\_\_\_\_

## Scene Lights (with Poles & Portable)

- ELRE-SLDC Revel® LED (14K Lumens) ..... Quantity \_\_\_\_\_
- ELRE-XLDC Revel® LED (14K Lumens) ..... Quantity \_\_\_\_\_
- ELSS-SLDC SceneStar® LED (14K Lumens) ..... Quantity \_\_\_\_\_
- ELSS-XLDC SceneStar® LED (19K Lumens) ..... Quantity \_\_\_\_\_
- ELSS-XLAC SceneStar® LED (20K Lumens 120V) ..... Quantity \_\_\_\_\_
- ELSS-XLAC2 SceneStar® LED (20K Lumens 240) ..... Quantity \_\_\_\_\_
- ELBE-500 Low Profile 500W 120V ..... Quantity \_\_\_\_\_
- ELBE-750 Low Profile Beta 750W 120V ..... Quantity \_\_\_\_\_
- ELST-500 ST series 500W 120V ..... Quantity \_\_\_\_\_
- ELST-750 ST series 750W 120V ..... Quantity \_\_\_\_\_

## Cab Brow Scene Lights

- ELRE-SLDC Revel® LED (14K Lumens) ..... Quantity \_\_\_\_\_
- ELRE-XLDC Revel® LED (14K Lumens) ..... Quantity \_\_\_\_\_
- ELSS-SLDC SceneStar® LED (14K Lumens) ..... Quantity \_\_\_\_\_
- ELSS-XLDC SceneStar® LED (19K Lumens) ..... Quantity \_\_\_\_\_
- ELSS-XLAC SceneStar® LED (20K Lumens 120V) ..... Quantity \_\_\_\_\_
- ELSS-XLAC2 SceneStar® LED (20K Lumens 240) ..... Quantity \_\_\_\_\_
- DOT Lights, Step Area & License Plate Lights
- 9186-5525 Series 4-Inch Round LED Red Lights for Stop/Tail/Turn ..... Quantity \_\_\_\_\_
- 9186-5526 Series 4-Inch Round LED Lights for Backup ..... Quantity \_\_\_\_\_
- 3884 Series Tri-Cluster Lamp Assemblies 3X7 ..... Quantity \_\_\_\_\_
- 4684 Series Tri-Cluster Lamp Assemblies 4X6 ..... Quantity \_\_\_\_\_
- 4681 Series Tri Cluster Lamp Assemblies Horizontal 4X6 ..... Quantity \_\_\_\_\_
- 3894 Series Quad Cluster Lamp Assemblies 3X7 ..... Quantity \_\_\_\_\_
- 9186-23882 Series License Illuminator or Control Area Light ..... Quantity \_\_\_\_\_
- 8102 Series LED License Illuminator ..... Quantity \_\_\_\_\_

## Marker & Ground Illumination Lights

- 5180 Series 1.5" x 3.5" Rectangular LED ..... Quantity \_\_\_\_\_
- 9186-1500 Series 1.1" x 2.59" LED ..... Quantity \_\_\_\_\_
- 9186-5000 Series 4" Round LED ..... Quantity \_\_\_\_\_
- 9186-1585 Series Truck Style LED ..... Quantity \_\_\_\_\_
- 5060 Series Triangular Incandescent or LED ..... Quantity \_\_\_\_\_
- 9185 -40034 Series 5.5" Round Lamp ..... Quantity \_\_\_\_\_

## Compartment & Pump Panel Lights

- 9185-60004 Series 5.5" Oval LED or Incandescent ..... Quantity \_\_\_\_\_
- 9186-2301 Series LED Courtesy Lamp ..... Quantity \_\_\_\_\_
- 9186-5515 Series 4" Flange Mount LED ..... Quantity \_\_\_\_\_
- 2630 Series 2.5" x 6" Incandescent ..... Quantity \_\_\_\_\_
- 2631 Series 2.5" x 6" LED ..... Quantity \_\_\_\_\_

## Perimeter Warning Lights

- V Series Diamondback LED Lighting
  - V34 Diamondback 3X4 ..... Quantity \_\_\_\_\_
  - V37 Diamondback 3X7 ..... Quantity \_\_\_\_\_
  - V46 Diamondback 4X6 ..... Quantity \_\_\_\_\_
  - V79 Diamondback 7X9 ..... Quantity \_\_\_\_\_

## Interior Dome & Stepwell Light

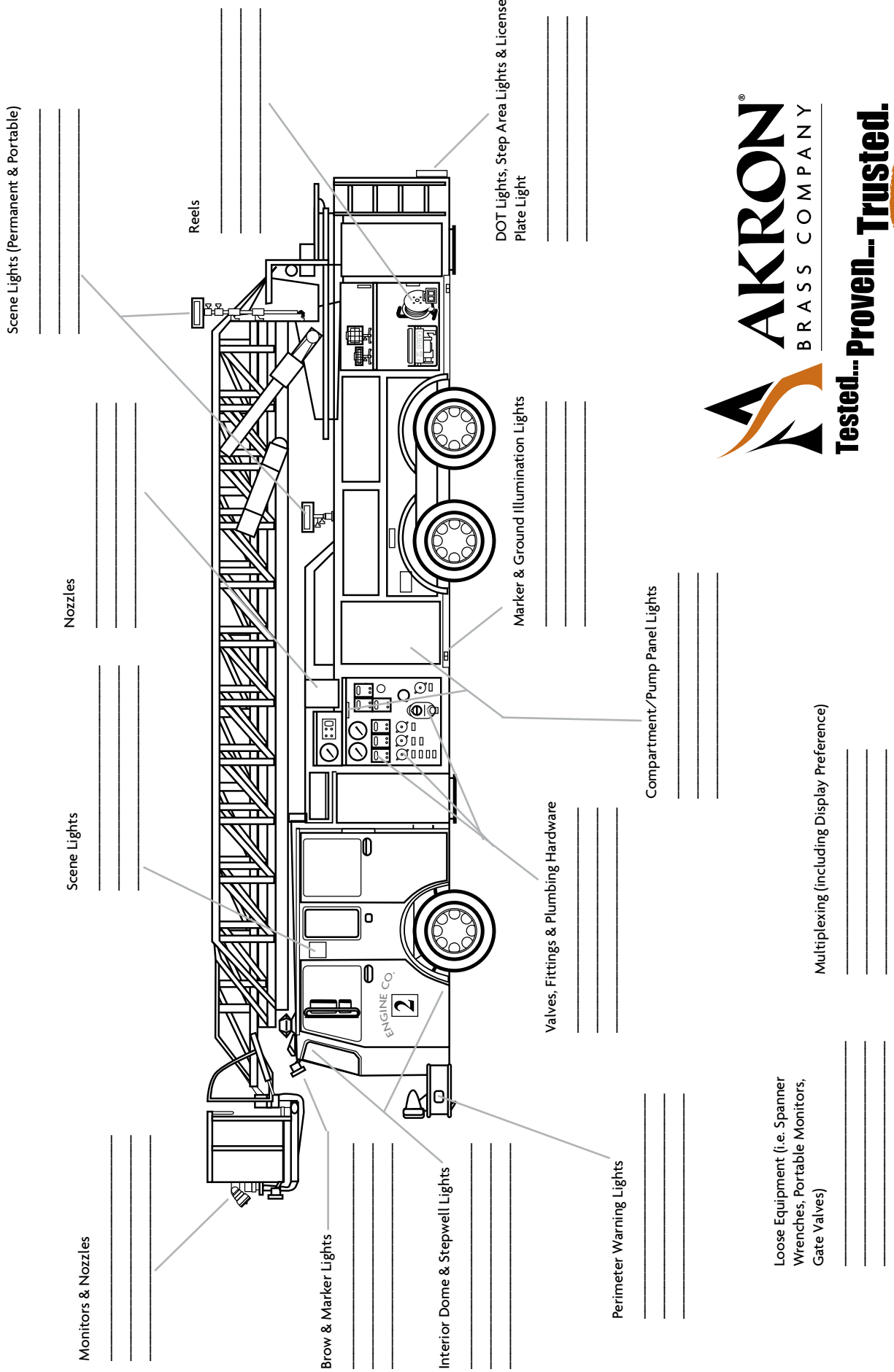
- 8049 Series Clear 8" LED ..... Quantity \_\_\_\_\_
- 8081/8080 Series Red/Clear LED ..... Quantity \_\_\_\_\_
- 9185-40003 Series Interior Light ..... Quantity \_\_\_\_\_
- 9186-8560 Series Stepwell Lamp ..... Quantity \_\_\_\_\_
- 9186-23882-30 Incandescent Stepwell Light ..... Quantity \_\_\_\_\_

## Multiplexing

- Vista Display ..... Quantity \_\_\_\_\_
- Vista Touch Screen Display ..... Quantity \_\_\_\_\_
- Programmable On Demand Switches (PODS) ..... Quantity \_\_\_\_\_
- 6500 Series Camera ..... Quantity \_\_\_\_\_
- Integrated GPS System ..... Quantity \_\_\_\_\_
- 6204-0000-00 Occupant Restraint Indicator ..... Quantity \_\_\_\_\_
- 6444-0000-00 Vehicle Data Recorder (VDR) ..... Quantity \_\_\_\_\_

## Loose Equipment

- EJBX Series Electrical Junction Box & Brackets ..... Quantity \_\_\_\_\_
- ERCP Series Electric Cord Reel ..... Quantity \_\_\_\_\_
- Turbojet, Ultrajet, Assault & ProVenger Handline Nozzles ..... Quantity \_\_\_\_\_
- Mercury, MercuryMaster & Ozzie Portable Ground Monitors ..... Quantity \_\_\_\_\_
- Foam Tube ..... Quantity \_\_\_\_\_
- 340 Barrel Suction Strainer ..... Quantity \_\_\_\_\_
- 443 Combination Wrench Holder with ..... Quantity \_\_\_\_\_
- (2) Spanner wrenches and (1) Hydrant Wrench ..... Quantity \_\_\_\_\_
- 448 Combination Wrench Holder with (2) Spanners Wrenches ..... Quantity \_\_\_\_\_
- 15 or 17 Hydrant Wrenches ..... Quantity \_\_\_\_\_
- 335 Double Female Adapters ..... Quantity \_\_\_\_\_
- 336 Double Male Adapters ..... Quantity \_\_\_\_\_
- 1583 Gated Siamese ..... Quantity \_\_\_\_\_
- 2583 Gated Siamese ..... Quantity \_\_\_\_\_
- 1581 Gated Wye ..... Quantity \_\_\_\_\_
- 2581 Gated Wye ..... Quantity \_\_\_\_\_
- 2285 Gate Valve ..... Quantity \_\_\_\_\_
- 2286 Gate Valve ..... Quantity \_\_\_\_\_



Loose Equipment (i.e. Spanner  
Wrenches, Portable Monitors,  
Gate Valves)

Multiplexing (including Display Preference)



## Reels

ERWC Electric Rewind Cord Reels ..... Quantity \_\_\_\_\_

## Monitors & Nozzles

### Monitors-Electric

3480 StreamMaster II (2000 gpm) ..... Quantity \_\_\_\_\_  
 3600 Optional Wireless Remote Control ..... Quantity \_\_\_\_\_

### Nozzle - Electric

1578 SaberMaster ..... Quantity \_\_\_\_\_  
 5177 Akromatic 1250 ..... Quantity \_\_\_\_\_  
 5178 Akromatic 2000 ..... Quantity \_\_\_\_\_

### Monitors -Manual

3481 StreamMaster II (2000 gpm) ..... Quantity \_\_\_\_\_

### Nozzle - Manual

5160 Akromatic 1250 ..... Quantity \_\_\_\_\_  
 1745 TurboMaster 750 ..... Quantity \_\_\_\_\_  
 1755 TurboMaster 1250 ..... Quantity \_\_\_\_\_  
 1757 Turbomaster 1000 ..... Quantity \_\_\_\_\_  
 2499 Stacked Tips w/3485 Stream Shaper ..... Quantity \_\_\_\_\_  
 3499 Stacked Tips w/3485 Stream Shaper ..... Quantity \_\_\_\_\_

### Ladder Pipe \*For Customers w/o Plumbed Waterways on Ladders

1495 Ladder Pipe ..... Quantity \_\_\_\_\_

## Valve, Fittings & Plumbing Hardware

57 Drain Valve- 3/4" for use with each discharge valve ..... Quantity \_\_\_\_\_  
 53 Relief Valve - one per pump ..... Quantity \_\_\_\_\_  
 345 Caps ..... Quantity \_\_\_\_\_  
 347 Plugs ..... Quantity \_\_\_\_\_  
 630 Discharge Elbow ..... Quantity \_\_\_\_\_  
 635 Crosslay Swivel Elbow ..... Quantity \_\_\_\_\_  
 650 Swivel Joints ..... Quantity \_\_\_\_\_  
 1477 Push-Pull Rod - Remote Valve Control ..... Quantity \_\_\_\_\_  
 3061, 3096, & 3126 Foam System - Truck By-Pass Eductor Foam System ..... Quantity \_\_\_\_\_  
 3128 Off-Truck Foam Access Kit ..... Quantity \_\_\_\_\_  
 7940 - 7960 Butterfly ..... Quantity \_\_\_\_\_  
 7982-7983 Revolution Intake Valve ..... Quantity \_\_\_\_\_  
 8600 Electric Swing Out Valves ..... Quantity \_\_\_\_\_  
 8600 Gear Actuated Swing Out Valves ..... Quantity \_\_\_\_\_  
 8800 Swing Out Valves - Remote Actuated ..... Quantity \_\_\_\_\_  
 9300 Flow Meter ..... Quantity \_\_\_\_\_  
 9333 Valve Controller - Electric ..... Quantity \_\_\_\_\_  
 9335 Valve Controller - Electric ..... Quantity \_\_\_\_\_  
 Valve Position Indicator- Gear Actuated Valves ..... Quantity \_\_\_\_\_

## Scene Lights (Cab or Body Surface Mount)

3862 3 x 7 HID ..... Quantity \_\_\_\_\_  
 4662 4 x 6 HID ..... Quantity \_\_\_\_\_  
 7862 7x 9 HID ..... Quantity \_\_\_\_\_  
 3800 Series 3 x 7 Halogen ..... Quantity \_\_\_\_\_  
 4600 Series 4 x 6 Halogen ..... Quantity \_\_\_\_\_  
 7800 Series 7 x 9 Halogen ..... Quantity \_\_\_\_\_  
 V375 Diamondback 3 x 7 LED (600 lumen) ..... Quantity \_\_\_\_\_  
 V465 Diamondback 4 x 6 LED (600 lumen) ..... Quantity \_\_\_\_\_  
 V795 Diamondback 7 x 9 LED (1,200 lumen) ..... Quantity \_\_\_\_\_

## Scene Lights (with Poles & Portable)

ELRE-SLDC Revel® LED (14K Lumens) ..... Quantity \_\_\_\_\_  
 ELRE-XLDC Revel® LED (14K Lumens) ..... Quantity \_\_\_\_\_  
 ELSS-SLDC SceneStar® LED (14K Lumens) ..... Quantity \_\_\_\_\_  
 ELSS-XLDC SceneStar® LED (19K Lumens) ..... Quantity \_\_\_\_\_  
 ELSS-XLAC SceneStar® LED (20K Lumens 120V) ..... Quantity \_\_\_\_\_  
 ELSS-XLAC2 SceneStar® LED (20K Lumens 240) ..... Quantity \_\_\_\_\_  
 ELBE-500 Low Profile 500W 120V ..... Quantity \_\_\_\_\_  
 ELBE-750 Low Profile Beta 750W 120V ..... Quantity \_\_\_\_\_  
 ELST-500 ST series 500W 120V ..... Quantity \_\_\_\_\_  
 ELST-750 ST series 750W 120V ..... Quantity \_\_\_\_\_

## Cab Brow Scene Lights

ELRE-SLDC Revel® LED (14K Lumens) ..... Quantity \_\_\_\_\_  
 ELRE-XLDC Revel® LED (14K Lumens) ..... Quantity \_\_\_\_\_  
 ELSS-SLDC SceneStar® LED (14K Lumens) ..... Quantity \_\_\_\_\_  
 ELSS-XLDC SceneStar® LED (19K Lumens) ..... Quantity \_\_\_\_\_  
 ELSS-XLAC SceneStar® LED (20K Lumens 120V) ..... Quantity \_\_\_\_\_  
 ELSS-XLAC2 SceneStar® LED (20K Lumens 240) ..... Quantity \_\_\_\_\_

## DOT Lights, Step Area & License Plate Lights

9186-5525 Series 4-Inch Round LED Red Lights for Stop/Tail/Turn ..... Quantity \_\_\_\_\_  
 9186-5526 Series 4-Inch Round LED Lights for Backup ..... Quantity \_\_\_\_\_  
 3884 Series Tri-Cluster Lamp Assemblies 3X7 ..... Quantity \_\_\_\_\_  
 4684 Series Tri-Cluster Lamp Assemblies 4X6 ..... Quantity \_\_\_\_\_  
 4681 Series Tri Cluster Lamp Assemblies Horizontal 4X6 ..... Quantity \_\_\_\_\_  
 3894 Series Quad Cluster Lamp Assemblies 3X7 ..... Quantity \_\_\_\_\_  
 9186-23882 Series License Illuminator or Control Area Light ..... Quantity \_\_\_\_\_  
 8102 Series LED License Illuminator ..... Quantity \_\_\_\_\_

## Marker & Ground Illumination Lights

5180 Series 1.5" x 3.5" Rectangular LED ..... Quantity \_\_\_\_\_  
 9186-1500 Series 1.1" x 2.59" LED ..... Quantity \_\_\_\_\_  
 9186-5000 Series 4" Round LED ..... Quantity \_\_\_\_\_  
 9186-1585 Series Truck Style LED ..... Quantity \_\_\_\_\_  
 5060 Series Triangular Incandescent or LED ..... Quantity \_\_\_\_\_  
 9185 -40034 Series 5.5" Round Lamp ..... Quantity \_\_\_\_\_

## Compartment & Pump Panel Lights

9185-60004 Series 5.5" Round LED or Incandescent ..... Quantity \_\_\_\_\_  
 9186-2301 Series LED Courtesy Lamp ..... Quantity \_\_\_\_\_  
 9186-5515 Series 4" Flange Mounted LED ..... Quantity \_\_\_\_\_  
 2630 Series 2.5" x 6" Incandescent ..... Quantity \_\_\_\_\_  
 2631 Series 2.5" x 6" LED ..... Quantity \_\_\_\_\_

## Perimeter Warning Lights

V Series Diamondback LED Lighting  
     V34 Diamondback 3X4 ..... Quantity \_\_\_\_\_  
     V37 Diamondback 3X7 ..... Quantity \_\_\_\_\_  
     V46 Diamondback 4X6 ..... Quantity \_\_\_\_\_  
     V79 Diamondback 7X9 ..... Quantity \_\_\_\_\_

## Interior Dome & Stepwell Light

8049 Series Clear 8" LED ..... Quantity \_\_\_\_\_  
 8080/8081 Series Red/Clear LED ..... Quantity \_\_\_\_\_  
 9185-40003 Series Interior Light ..... Quantity \_\_\_\_\_  
 9186-8560 Series Stepwell Lamp ..... Quantity \_\_\_\_\_  
 9186-23882-30 Incandescent Stepwell Light ..... Quantity \_\_\_\_\_

## Multiplexing

Vista Display ..... Quantity \_\_\_\_\_  
 Vista Touch Screen Display ..... Quantity \_\_\_\_\_  
 Programmable On Demand Switches (PODS) ..... Quantity \_\_\_\_\_  
 6500 Series Camera ..... Quantity \_\_\_\_\_  
 Integrated GPS System ..... Quantity \_\_\_\_\_  
 6204-0000-00 Occupant Restraint Indicator ..... Quantity \_\_\_\_\_  
 6444-0000-00 Vehicle Data Recorder (VDR) ..... Quantity \_\_\_\_\_

## Loose Equipment

EJBX Series Electrical Junction Box & Brackets ..... Quantity \_\_\_\_\_  
 ERCP Series Electric Cord Reel ..... Quantity \_\_\_\_\_  
 Turbojet, Ultrajet, Assault & ProVenger Handline Nozzles ..... Quantity \_\_\_\_\_  
 Mercury, MercuryMaster & Ozzie Portable Ground Monitors ..... Quantity \_\_\_\_\_  
 Foam Tube ..... Quantity \_\_\_\_\_  
 340 Barrel Suction Strainer ..... Quantity \_\_\_\_\_  
 443 Combination Wrench Holder with  
     (2) Spanner wrenches and (1) Hydrant Wrench ..... Quantity \_\_\_\_\_  
 448 Combination Wrench Holder with (2) Spanners Wrenches ..... Quantity \_\_\_\_\_  
 15 or 17 Hydrant Wrenches ..... Quantity \_\_\_\_\_  
 335 Double Female Adapters ..... Quantity \_\_\_\_\_  
 336 Double Male Adapters ..... Quantity \_\_\_\_\_  
 1583 Gated Siamese ..... Quantity \_\_\_\_\_  
 2583 Gated Siamese ..... Quantity \_\_\_\_\_  
 1581 Gated Wye ..... Quantity \_\_\_\_\_  
 2581 Gated Wye ..... Quantity \_\_\_\_\_  
 2285 Gate Valve ..... Quantity \_\_\_\_\_  
 2286 Gate Valve ..... Quantity \_\_\_\_\_



Hand Line Nozzle

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Scene Lighting

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Valves & Plumbing Hardware

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Marker Lights & Reflectors

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Compartment Lights

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Loose Equipment  
(Spanner Wrenches, Gate Valves)

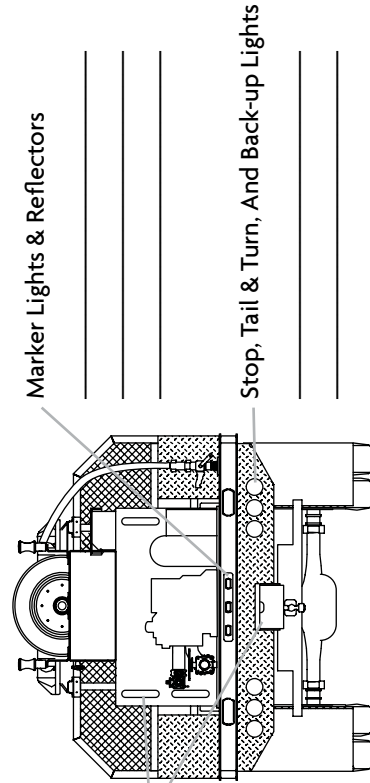
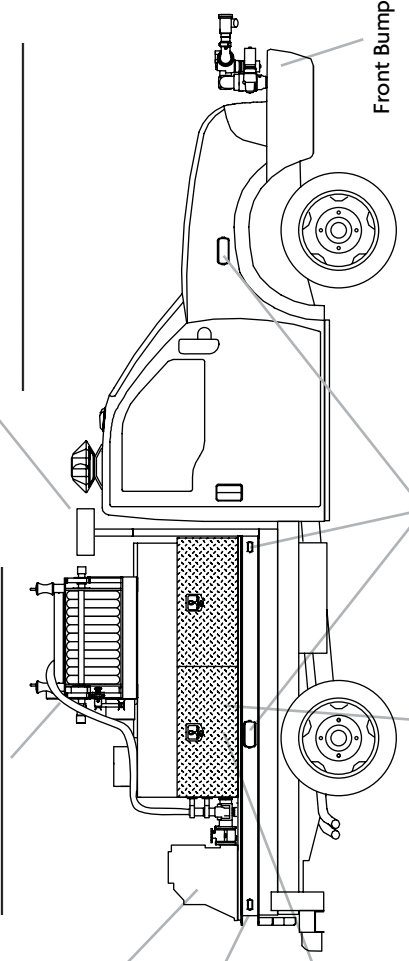
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Warning Lights

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Front Bumper Monitor & Nozzle

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



License Plate & Work Area Lights

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Marker Lights & Reflectors

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Stop, Tail & Turn, And Back-up Lights

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Tested... Proven... Trusted.**



## Valves & Plumbing Hardware

- 8800 Series Heavy-Duty Swing-Out Valve, 1-inch for tank fill and hose reel discharge, with TSC handle.....Quantity: \_\_\_\_\_
- 8800 Series Heavy-Duty Swing-Out Valve, 1.5-inch or 2-inch for pre-connect with TSC handle.....Quantity: \_\_\_\_\_
- 8800 Series Heavy-Duty Swing-Out Valve, 2.5-inch for suction with TSC handle.....Quantity: \_\_\_\_\_
- 8800 Series Heavy-Duty Swing-Out Valve, 2.5-inch or 3-inch for tank-to-pump with TSC handle.....Quantity: \_\_\_\_\_
- Style 635 90-degree swivel for 1.5-inch pre-connect.....Quantity: \_\_\_\_\_
- Style 7 drain valve.....Quantity: \_\_\_\_\_

## Handline Nozzles

- 1030 1-inch Forestry Nozzle.....Quantity: \_\_\_\_\_
- 1700 1-inch Aussie Bush Nozzle.....Quantity: \_\_\_\_\_
- 1702 1-inch Turbojet with PG.....Quantity: \_\_\_\_\_
- 2103 1-inch Shut-Off with Style 1410 Straight Tip.....Quantity: \_\_\_\_\_
- 4802 1-inch Assault.....Quantity: \_\_\_\_\_

## Monitor & Nozzle

- 3463 FireFox monitor, Style 3293 nozzle & joystick.....Quantity: \_\_\_\_\_
- 3462 Forestry Monitor, Style 3293 nozzle & joystick.....Quantity: \_\_\_\_\_

## Perimeter Warning Lights

- V Series Diamondback LED Lighting
  - V26 Diamondback 2X6.....Quantity: \_\_\_\_\_
  - V34 Diamondback 3X4.....Quantity: \_\_\_\_\_
  - V37 Diamondback 3X7.....Quantity: \_\_\_\_\_
  - V46 Diamondback 4X6.....Quantity: \_\_\_\_\_
  - V79 Diamondback 7X9.....Quantity: \_\_\_\_\_

## Accessories & Hand Tools

- 339 2.5-inch basket strainer.....Quantity: \_\_\_\_\_
- 448 2-wrench holder with two (2) Style 10 wrenches.....Quantity: \_\_\_\_\_

## Reels

- Electric Rewind Cord Reels.....Quantity: \_\_\_\_\_

## Scene Lights (with Poles & Portable)

- ELRE-SLDC Revel® LED (14K Lumens).....Quantity: \_\_\_\_\_
- ELRE-XLDC Revel® LED (14K Lumens).....Quantity: \_\_\_\_\_
- ELSS-SLDC SceneStar® LED (14K Lumens).....Quantity: \_\_\_\_\_
- ELSS-XLDC SceneStar® LED (19K Lumens).....Quantity: \_\_\_\_\_
- ELSS-XLAC SceneStar® LED (20K Lumens 120V).....Quantity: \_\_\_\_\_
- ELSS-XLAC2 SceneStar® LED (20K Lumens 240).....Quantity: \_\_\_\_\_
- ELBE-500 Low Profile 500W 120V.....Quantity: \_\_\_\_\_
- ELBE-750 Low Profile Beta 750W 120V.....Quantity: \_\_\_\_\_
- ELST-500 ST series 500W 120V.....Quantity: \_\_\_\_\_
- ELST-750 ST series 750W 120V.....Quantity: \_\_\_\_\_

## Scene Lights (Cab or Body Surface Mount)

- 3862 3 x 7 HID.....Quantity: \_\_\_\_\_
- 4662 4 x 6 HID.....Quantity: \_\_\_\_\_
- 7862 7x 9 HID.....Quantity: \_\_\_\_\_
- 3800 Series 3 x 7 Halogen.....Quantity: \_\_\_\_\_
- 4600 Series 4 x 6 Halogen.....Quantity: \_\_\_\_\_
- 7800 Series 7 x9 Halogen.....Quantity: \_\_\_\_\_
- V375 Diamondback 3"x7" LED.....Quantity: \_\_\_\_\_
- V465 Diamondback 4"x6" LED.....Quantity: \_\_\_\_\_
- V795 Diamondback 7"x9" LED.....Quantity: \_\_\_\_\_

## DOT & Utility Lighting

- 5180 Series Rectangular LED Red Marker Lamps.....Quantity: \_\_\_\_\_
- 5170 Series Rectangular LED Amber Marker Lamps.....Quantity: \_\_\_\_\_
- 9186-5525 Series 4-inch Round LED Red Lights for Stop/Tail/Turn.....Quantity: \_\_\_\_\_
- 9186-5526 Series 4-inch Round LED Clear Lights for Back-Up.....Quantity: \_\_\_\_\_
- 3884 Series Tri-Cluster Lamp Assemblies
  - Incandescent.....Quantity: \_\_\_\_\_
  - LED.....Quantity: \_\_\_\_\_
- 9186-078 Series Oblong Reflectors.....Quantity: \_\_\_\_\_
- 9186-23882-30 License Illuminator or Control Area Light.....Quantity: \_\_\_\_\_
- 2630/2631 Series Compartment or Control Area Light
  - Incandescent.....Quantity: \_\_\_\_\_
  - LED.....Quantity: \_\_\_\_\_

4 ..... 86	417..... 22	796 ..... 32	1582 ..... 88
7 ..... 86	438 ..... 22	797 ..... 32	1583..... 89
10 ..... 152	439 ..... 23	866 ..... 31	1602 ..... 19
13..... 152	441 ..... 153	911..... 54	1616..... 19
14..... 152	442 ..... 153	922 ..... 54	1700 ..... 25
15..... 152	443 ..... 153	1030 ..... 25	1701..... 8
17..... 152	446 ..... 153	1034 ..... 28	1702 ..... 8
19..... 152	447 ..... 153	1048 ..... 28	1703 ..... 8
25 ..... 152	448 ..... 153	1078 ..... 156	1704 ..... 8
35 ..... 96	449 ..... 153	1088 ..... 27	1711..... 8
39 ..... 153	485 ..... 23	1125..... 20	1714..... 8
40 ..... 153	489 ..... 22, 53, 59, 65, 70, 71	1141 ..... 21	1715..... 8
41..... 153	499 ..... 64	1256 ..... 89	1716..... 8
42 ..... 153	535 ..... 27	1260 ..... 88	1717..... 8
44 ..... 95	536 ..... 27	1262 ..... 89	1718..... 8
46 ..... 152	538 ..... 27	1267 ..... 89	1720 ..... 8
50 ..... 152	583 ..... 157	1410..... 22	1722 ..... 9
53..... 86	588 ..... 155	1417..... 22	1723..... 9
57 ..... 86	589 ..... 155	1420 ..... 23	1724 ..... 9
78 ..... 157	624 ..... 32	1440 ..... 21	1725 ..... 10
101..... 82	627 ..... 87	1441..... 21	1726 ..... 10
102 ..... 82	630 ..... 154	1442 ..... 21, 154	1727 ..... 10
262 ..... 89	631..... 154	1443 ..... 21	1728 ..... 10
285 ..... 87	635 ..... 154	1445 ..... 21	1733..... 10
330 ..... 154	638 ..... 32	1446 ..... 21	1734..... 9
335 ..... 154	650 ..... 154	1477 ..... 82	1735..... 9
336 ..... 154	730 ..... 47	1478 ..... 82	1736 ..... 10
337..... 154	737 ..... 33	1482 ..... 88	1737..... 9
338 ..... 154	738 ..... 33	1495 ..... 59	1738 ..... 10
339 ..... 155	753 ..... 26	1496 ..... 59	1744 ..... 10
340 ..... 155	770 ..... 32	1499 ..... 22	1745..... 35
345 ..... 154	772 ..... 155	1520 ..... 16	1755..... 35
347 ..... 154	773 ..... 155	1523..... 16	1757..... 35
350 ..... 156	790 ..... 32	1528 ..... 16	1762..... 9
352 ..... 155	791 ..... 32	1545 ..... 34, 53	1763..... 9
353..... 155	792 ..... 32	1573..... 88	1764 ..... 9
373..... 156	793 ..... 32	1578..... 34, 43, 44, 45, 56	1765..... 9
416 ..... 22	794 ..... 32	1581..... 88	1766 ..... 9



1767.....	9	2430.....	21	3128.....	91	3503.....	57
1772.....	8	2431.....	21	3250.....	90	3505.....	57
1820.....	5	2432.....	21	3292.....	77	3523.....	63
1828.....	87	2433.....	21	3293.....	33, 38, 41, 76	3524.....	64
2015.....	28	2441.....	153	3352.....	76	3525.....	64
2032.....	28	2442.....	153	3353.....	75	3526.....	64, 72
2033.....	28	2443.....	153	3354.....	75	3528.....	63, 72
2046.....	28	2446.....	153	3356.....	46, 74, 75	3530.....	69
2047.....	28	2447.....	153	3406.....	43	3531.....	72
2055.....	27	2448.....	153	3414.....	55	3563.....	71
2069.....	29	2498.....	23, 44, 45, 53, 56	3416.....	55	3580.....	48
2073.....	29	2499.....	23, 44, 45, 56	3419.....	56	3590.....	68
2074.....	29	2580.....	88	3421.....	55	3600.....	56, 76, 77
2077.....	29	2581.....	88	3423.....	55	3620.....	33
2101.....	21	2582.....	88	3426.....	59	3621.....	33
2102.....	21	2583.....	89	3430.....	58	3622.....	33
2108.....	21	2681.....	88	3431.....	57	3623.....	30
2115.....	21	2730.....	10	3433.....	57	3624.....	30
2116.....	21	2775.....	72	3437.....	65	3625.....	30
2120.....	90	2901.....	90	3440.....	43	3626.....	30
2125.....	21	3000.....	47	3443.....	53	3671.....	65
2126.....	21	3015.....	26	3446.....	53	3678.....	66
2127.....	21	3016.....	26	3450.....	77	3690.....	65
2129.....	21	3019.....	26	3462.....	40	3698.....	67
2130.....	21	3020.....	28, 29	3463.....	41, 76	3700.....	47
2151.....	63	3021.....	26	3470.....	58	3716.....	10
2171.....	38	3022.....	28	3475.....	62, 68	3721.....	10
2188.....	48	3023.....	29	3476.....	62, 68	3725.....	10
2189.....	48	3025.....	26	3479.....	42	3951.....	30
2225.....	28	3030.....	37	3480.....	45	3952.....	30
2285.....	87, 95	3060.....	90	3481.....	59	4039.....	39
2286.....	87	3071.....	90	3482.....	44	4040.....	39, 44, 45
2325.....	90	3095.....	90	3485.....	23, 44, 45, 56	4041.....	39
2328.....	90	3096.....	91	3488.....	23, 59, 65	4042.....	39, 45
2390.....	20	3097.....	91	3491.....	61	4116.....	19
2393.....	20	3120.....	30	3492.....	62	4445.....	39, 53
2415.....	28	3125.....	90	3493.....	70	4447.....	39, 53
2420.....	23, 53	3126.....	91	3499.....	23, 45	4450.....	35, 63, 64, 72

4452 ..... 35	4824 ..... 15	7940 ..... 85	718236 ..... 24
4460 ..... 35	4825 ..... 15	7945 ..... 85	718237 ..... 24
4461 ..... 35, 72	4826 ..... 15	7950 ..... 85	718238 ..... 24
4462 ..... 35	4827 ..... 15	7960 ..... 85	718239 ..... 24
4470 ..... 37	4830 ..... 15	7980 ..... 85	718240 ..... 24
4471 ..... 37	4834 ..... 15	7982 ..... 84	718279 ..... 24
4475 ..... 37	4835 ..... 15	7983 ..... 84	36000004 ..... 51
4478 ..... 37	4836 ..... 15	8620 ..... 79	36000015 ..... 51
4479 ..... 37	4837 ..... 15	8625 ..... 79	60350009 ..... 51
4480 ..... 37, 44, 45	4838 ..... 15	8630 ..... 79	60350012 ..... 51
4712 ..... 13	4862 ..... 14	8635 ..... 79	60350017 ..... 51, 71
4713 ..... 13	4863 ..... 14	8810 ..... 78	60370008 ..... 51
4714 ..... 13	4864 ..... 14	8815 ..... 78	60410008 ..... 51
4715 ..... 13	4865 ..... 14	8820 ..... 79	60410023 ..... 51
4716 ..... 13	4866 ..... 14	8825 ..... 79	60410028 ..... 51
4717 ..... 13	4867 ..... 14	8830 ..... 79	60410029 ..... 51
4718 ..... 13	5055 ..... 38, 62	8835 ..... 79	60410034 ..... 51
4720 ..... 13	5056 ..... 38	8840 ..... 80	60410035 ..... 51
4722 ..... 15	5071 ..... 34, 65	8910 ..... 78	60411000 ..... 51
4724 ..... 15	5075 ..... 34	8915 ..... 78	60411003 ..... 51
4726 ..... 15	5088 ..... 48	8920 ..... 79	60411005 ..... 51
4801 ..... 13	5147 ..... 39, 53	8925 ..... 79	60412001 ..... 51
4802 ..... 13	5148 ..... 39, 53	8930 ..... 79	60510002 ..... 51
4803 ..... 13	5150 ..... 39, 53	8935 ..... 79	60510005 ..... 51
4804 ..... 13	5160 ..... 34	8940 ..... 80	60510006 ..... 51
4808 ..... 26	5161 ..... 34	9100 ..... 97	OB53-0333-00 ..... 113, 133
4812 ..... 13	5170 ..... 34, 59	9200 ..... 156	OB53-1016-00 ..... 113, 133
4813 ..... 13	5176 ..... 44, 45	9201 ..... 157	OB53-1125-00 ..... 113, 133
4814 ..... 13	5177 ..... 34, 44, 45, 56, 75, 76	9202 ..... 157	OB80-2334-00 ..... 111, 130
4815 ..... 13	5178 ..... 34, 45, 75	9203 ..... 157	OB80-2335-00 ..... 111, 134
4816 ..... 13	6032 ..... 50	9210 ..... 157	OB80-2336-00 ..... 110, 111, 134
4817 ..... 13	6035 ..... 40, 56	9301 ..... 95	OB80-2337-00 ..... 111, 134
4818 ..... 13	6036 ..... 51, 71	9323 ..... 83	OB80-2495-00 ..... 130
4819 ..... 13	6037 ..... 40	9325 ..... 83	OC10-2228-10 ..... 127
4820 ..... 13	6041 ..... 56	9900 ..... 97	OC10-2228-30 ..... 127
4821 ..... 13	7675 ..... 82	718233 ..... 24	OC10-2228-40 ..... 127
4822 ..... 15	7725 ..... 83	718234 ..... 24	OC10-2313-00 ..... 115
4823 ..... 15	7875 ..... 82	718235 ..... 24	OC11-1223-00 ..... 127



OC12-1181-00 ..... 124	OD10-2316-00 ..... 115	OK90-2869-00 ..... 124	10105-1100-XX ..... 116
OC13-1125-00 ..... 127	OD10-2753-00 ..... 124	OK90-3101-00 ..... 130	10105-1200-XX ..... 116
OC14-1226-00 ..... 127	OD30-0377-00... 113, 120, 123, 133	OK90-3187-00 ..... 132	1013-1100-30 ..... 122
OC20-2170-30 ..... 134	OD30-0385-00... 113, 120, 123, 133	OK90-3307-00 ..... 118	1014-0000-00 ..... 116, 122
OC20-2177-30 ..... 134	OD30-1026-00 ..... 113, 123, 133	OK90-3308-00 ..... 118	1015-0000-00 ..... 116, 122
OC20-2184-30 ..... 134	OD30-1027-00 ..... 113, 123, 133	OK90-3442-00 ..... 132	1016-0000-00 ..... 122
OC20-2191-30 ..... 130	OD30-1092-00 ..... 124, 131	OK90-3448-00 ..... 128	1017-9000-10 ..... 116
OC20-2312-XX ..... 115	OD30-1136-00 ..... 113, 133	OK90-3462-00 ..... 104	1017-9000-20 ..... 116
OC20-2408-30 ..... 130	OD30-1137-00 ..... 113, 133	OK90-3717-00 ..... 126	1017-9000-30 ..... 122
OC20-3179-00 ..... 128	OE13-1878-00 ..... 127	OL40-1472-00 ..... 133	1020-5000-10 ..... 115
OC20-3601-00 ..... 111	OE17-3623-00 ..... 116	OL40-2020-00 ..... 103	1020-5000-20 ..... 115
OC20-3602-XX ..... 111	OE22-0327-00 ..... 113	OL40-2088-00 ..... 103	1020-5000-XX ..... 115
OC20-3603-XX ..... 111	OE22-1357-00 ..... 133	OL40-2597-00 ..... 108	1020-5030-XX ..... 115
OC20-3604-XX ..... 111	OE30-2262-12 ..... 115, 116	OL40-2806-02 ..... 102	1020-5090-XX ..... 115
OC20-3605-XX ..... 111	OE30-2262-23 ..... 115, 116	OL40-3528-00 ..... 118	1020-9000-10 ..... 115
OC63-1180-00 ..... 131	OE30-2262-37 ..... 122	OM10-1328-XX ..... 113	1020-9000-20 ..... 115
OC80-2684-30 ..... 122	OE93-1571-00 ..... 133	OM10-1330-XX ..... 113	1020-9030-XX ..... 115
OC80-2684-XX ..... 116	OJ10-0393-00 ..... 131	OM10-1428-XX ..... 113	1020-9090-XX ..... 115
OC90-0350-33 ..... 123, 133	OJ10-0503-00 ..... 131	ON00-1471-00 ..... 133	1021-0000-00 ..... 115
OC90-0350-XX ..... 113, 120	OJ10-1200-00 ..... 126	ON60-2508-00 ..... 110	2350-0000-00 ..... 118
OC90-0351-XX ..... 120	OJ10-2161-BK ..... 125	ON70-1519-03 ..... 108	2351-0100-00 ..... 118
OC90-0352-XX ..... 120	OJ10-2161-GY ..... 125	ON70-1519-04 ..... 108	2352-0100-00 ..... 118
OC90-1028-33 ..... 123, 133	OJ50-1505-01 ..... 102	ON80-2485-00 ..... 128	2630-0000-30 ..... 130
OC90-1028-XX ..... 113	OK14-2073-00-00 ..... 108	OQ20-1736-00 ..... 103	2631-0000-30 ..... 130
OC90-1138-33 ..... 133	OK90-0336-00 ..... 113, 120, 123	OR13-0614-00 ..... 108	2710-0100-20 ..... 124
OC90-1138-XX ..... 113	OK90-0337-00 ..... 120	OR13-2557-00 ..... 108	2710-1100-20 ..... 124
OD00-1458-00 ..... 133	OK90-1291-20 ..... 118	OU10-0715-00 ..... 108	3200-0000-11 ..... 114
OD00-1569-00 ..... 133	OK90-1601-00 ..... 125	1000-1100-20 ..... 116	3200-0000-13 ..... 114
OD00-1570-00 ..... 133	OK90-1803-00 ..... 125	1000-1106-20 ..... 116	3201-0000-11 ..... 114
OD10-0334-00 ..... 113, 133	OK90-1806-00 ..... 133	1002-0000-xx ..... 116	3201-0000-13 ..... 114
OD10-1025-00 ..... 113, 133	OK90-2280-00 ..... 105	1003-0000-80 ..... 128	3811-0000-33 ..... 133
OD10-1035-00 ..... 133	OK90-2281-00 ..... 105	1003-0000-XX ..... 116	3812-0000-33 ..... 133
OD10-1135-00 ..... 113	OK90-2282-00 ..... 106, 108	1003-1000-30 ..... 122	3821-0000-12 ..... 113
OD10-1176-00 ..... 124, 131	OK90-2286-00 ..... 105	1005-1100-XX ..... 116	3841-0000-10 ..... 119
OD10-1208-00 ..... 126	OK90-2310-00 ..... 102	1010-1100-XX ..... 116	3841-0000-20 ..... 119
OD10-1530-00 ..... 126	OK90-2311-00 ..... 103	1010-1120-10 ..... 116	3841-0000-21 ..... 119
OD10-1630-00 ..... 125	OK90-2763-00 ..... 108	1010-1120-XX ..... 116	3841-0000-22 ..... 119
OD10-1977-00 ..... 115	OK90-2783-00 ..... 106	1010-1126-XX ..... 116	3841-0000-30 ..... 123

3842-0000-10 .....119	4641-0000-30 ..... 123	5180-0110-20 ..... 125	8046-0300-80..... 128
3842-0000-20 .....119	4642-0000-10 ..... 120	5213-0100-10 ..... 126	8046-0320-80 ..... 128
3842-0000-21 .....119	4642-0000-20 ..... 120	5213-0100-20 ..... 126	8052-0000-30 ..... 128
3842-0000-22 .....119	4642-0000-21 ..... 120	6000-0000-04 ..... 105	8080-0000-13 ..... 127
3842-0000-30 ..... 123	4642-0000-22 ..... 120	6010-0000-00..... 105	8080-1000-13..... 127
3851-0000-10.....119	4642-0000-30 ..... 123	6020-0000-00 ..... 106	8080-7900-13 ..... 127
3851-0000-20 .....119	4643-0000-20 ..... 120	6030-0000-00 ..... 105	8080-8900-13 ..... 127
3852-0000-10 .....119	4643-0000-21 ..... 120	6060-0000-00 ..... 104	8081-0000-13..... 127
3862-0000-33 .....133	4643-0000-22 ..... 120	6111-0000-00.....101	8081-1000-13 ..... 127
3871-1000-10 .....113	4651-0000-10..... 120	6131-0000-00 .....101	8081-7900-13..... 127
3871-2000-10.....119	4651-0000-20 ..... 120	6204-0000-00..... 106	8081-8900-13..... 127
3871-6000-21.....119	4652-0000-10 ..... 120	6204-0000-01..... 106	8086-6978-68 ..... 127
3871-6000-22.....119	4652-0000-20 ..... 120	6204-0014-00 ..... 106	8101-0100-30 ..... 126
3871-8000-30..... 123	4653-0000-20 ..... 120	6204-0014-01..... 106	8102-0100-30 ..... 126
3872-0100-20.....119	4662-0000-33 .....133	6204-0024-00..... 106	8220-4100-30 .....132
3872-2000-10.....119	4671-2000-10..... 120	6204-0024-01 ..... 106	8240-2100-30 .....132
3872-6000-21.....119	4671-6000-21..... 120	6241-0110-XX ..... 102	8240-2101-30 .....132
3872-6000-22 .....119	4671-6000-22 ..... 120	6241-0111-XX..... 102	8250-4100-30 .....132
3872-8000-30 ..... 123	4671-8000-30 ..... 123	6241-0115-00 ..... 102	8250-4101-30 .....132
3884-0000-18 ..... 121	4672-1000-20 .....113	6241-0130-00..... 102	8250-5101-30 .....132
3884-0000-19 ..... 121	4672-2000-10 ..... 120	6241-1110-XX..... 102	8270-0100-30 ..... 130
3884-0100-01.....121	4672-6000-21 ..... 120	6241-1111-XX ..... 102	8280-4111-30 .....132
3884-0100-02 ..... 121	4672-6000-22 ..... 120	6300-0400-00..... 103	8401-0000-20 .....114
3884-0100-18.....121	4672-8000-30 ..... 123	6300-0800-00..... 103	9018-0012-00 ..... 125
3884-0100-19.....121	4673-6000-21..... 120	6310-0000-12 ..... 103	9018-0013-00. ...116, 120, 123, 131
3884-0100-28 ..... 121	4673-6000-22 ..... 120	6310-0000-24 ..... 103	9018-0019-00 .....122, 131
3884-0100-29 ..... 121	4684-0100-18.....121	6311-0300-00..... 103	9018-0020-00 ..... 116, 120, 124
3884-0200-18 ..... 121	4684-0100-19.....121	6311-0400-00..... 103	9018-0025-00 ..... 123
3884-0200-19 ..... 121	4684-0200-01 ..... 121	6444-0000-00..... 108	9018-0032-00 ..... 126
4040-0109-10 .....118	4684-0200-02.....121	7404-0060-00.....114	9018-0034-00 ..... 128
4040-0109-30 ..... 123	4684-0200-28 ..... 121	7414-0090-00 ..... 114	9018-0035-00 .....128, 131
4611-0000-33.....133	4684-0200-29 ..... 121	7811-0000-33 .....133	9018-0051-00 ..... 131
4612-0000-33.....133	5150-0000-10..... 125	7812-0000-20 ..... 113	9185-40003-3..... 131
4621-0000-10.....113	5150-0100-10 ..... 125	7812-0000-33.....133	9185-40034..... 131
4641-0000-10 ..... 120	5150-0100-20..... 125	7822-0000-40.....113	9186-1500-10 ..... 126
4641-0000-20 ..... 120	5180-0100-10 ..... 125	7841-0000-30 ..... 123	9186-1500-20 ..... 126
4641-0000-21..... 120	5180-0100-20..... 125	7842-0000-30 ..... 123	9186-1501-30 ..... 126
4641-0000-22 ..... 120	5180-0110-10 ..... 125	7862-0000-33 .....133	9186-1501-40 ..... 126



9186-1501-50 ..... 126	ECR-MT ..... 149	HC-2 ..... 145	T4 ..... 141
9186-2300-10 ..... 131	ECRP-10-ELBE-500 ..... 146, 149	HC-25C ..... 142, 145	T5 ..... 141
9186-2300-30 ..... 131	ECRP-10-ELSS-XLAC ..... 146, 149	HC-4 ..... 142, 145	TLC ..... 145
9186-2300-XX ..... 131	ECRP-10-GB ..... 149	HC-45C ..... 142, 145	TM ..... 142, 144, 145
9186-2301-XX ..... 131	EJBX-GFI ..... 151	HCGK-25 ..... 96	TM-LC ..... 144, 145
9186-2366-10 ..... 119	EJBX-HMT-TP ..... 151	HHPT ..... 94	TS ..... 81
9186-23882-2540 ..... 131	EJBX-VMT-TP ..... 151	HLGK-15 ..... 96	TSC ..... 81
9186-23882-30 ..... 131	ELBE-500 ..... 139, 145	HLGK-25 ..... 96	UI ..... 142, 145
9186-2610-20 ..... 118	ELBE-500-MMST ..... 143	LC ..... 140, 145	V265 ..... 130, 134
9186-4570-30 ..... 123	ELBE-750 ..... 139, 145	MMST ..... 143, 145	V26W-C00A ..... 111
9186-4571-30 ..... 123	ELRE-SCOUT ..... 136	NB ..... 142, 144, 145	V26W-C00W ..... 111
9186-5300-10 ..... 118	ELRE-SLDC ..... 137, 139, 145	PL ..... 145	V26W-C0VRW ..... 111
9186-5301KC ..... 123	ELRE-SLDC-BL ..... 144	PLMT ..... 140, 145	V345 ..... 130, 134
9186-5515-31 ..... 123	ELRE-XLDC ..... 137, 139, 145	PLO ..... 145	V345-9009 ..... 130
9186-5525-20 ..... 118	ELSS-SLAC-RM ..... 144	PL-POLE-MT ..... 145	V34W-C00W ..... 111
9186-5585-10 ..... 116	ELSS-SLDC ..... 138, 139, 145	POD ..... 145	V34W-C0HRW ..... 111
9186-5585-20 ..... 116	ELSS-SLDC-BL ..... 144	POD-BRACKET ..... 140, 145	V34W-R ..... 111
9186-5586-10 ..... 116	ELSS-SLDC-RM ..... 144	POD-BRACKET-LONG ..... 140, 145	V375 ..... 134
9186-5586-20 ..... 116	ELSS-SLDC-SB ..... 143	POD-PL ..... 140, 145	V37W-C 00R ..... 111
9186-5586-30 ..... 122	ELSS-XLAC ..... 138, 139, 145	PRO ..... 140, 145	V37W-C0HRA ..... 111
9186-8560-29 ..... 124	ELSS-XLAC2 ..... 138, 139, 145	PS ..... 145	V465 ..... 134
9186-8562-30 ..... 131	ELSS-XLAC-HK-LKI ..... 146	PS-PL ..... 145	V46W-C00R ..... 110
9186-8563-30 ..... 131	ELSS-XLAC-PL ..... 138, 140	PU ..... 145	V46W-C00W ..... 111
9186-8563-34 ..... 131	ELSS-XLDC ..... 138, 139, 145	PU-PL ..... 145	V46W-R ..... 110, 111
9186-8564-30 ..... 131	ELSS-XLDC-BL ..... 144	R-1 ..... 81	V795 ..... 134
9186-8565-30 ..... 131	ELSS-XLDC-PU-SM ..... 142	RM-15 ..... 145	V79W-C00W ..... 111
9186-8566-30 ..... 131	ELST-1000 ..... 139, 145	SB ..... 145	WG ..... 145
9186-8580-29 ..... 124	ELST-1500 ..... 139, 145	SC ..... 142, 145	WO ..... 142, 145
9186-8589-24 ..... 124	ELST-1500-AO-SM ..... 144	SC-171 ..... 142, 145	
AFTK-LK ..... 94	ELST-1500-PS-SM ..... 142	SF ..... 145	
AFTK-SK ..... 94	ELST-500 ..... 139, 145	SM2 ..... 142, 144, 145	
AHTK-25 ..... 94	ELST-500-LKI ..... 146	SM2-LC ..... 144, 145	
AHTK-45 ..... 94	E-POLE-W-NB ..... 142	SM4 ..... 142, 144, 145	
AO ..... 145	E-PS-UP-W-SM2 ..... 142	SM4-LC ..... 144	
AO-1 ..... 144	ERWC-10-16 ..... 148	SW ..... 145	
ATGK-3 ..... 95	ERWC-10-28 ..... 148	SZ ..... 81	
BL ..... 145	ERWC-15-10 ..... 148	TI ..... 141	
E-4750-POD ..... 140	ERWC-16-6 ..... 148	T2 ..... 141	



**A**

- Access Kit, Foam ..... 91
- Actuators
  - Air ..... 81
  - Electric ..... 81
  - Handwheel ..... 82
  - Manual ..... 81
  - Rack and Sector ..... 82
- Adapters
  - Double Female ..... 154
  - Double Male ..... 154
  - Female to Male ..... 154
  - Hydrant ..... 154
  - Nozzle ..... 154
  - Pressure-Vacuum, Panel ..... 95
  - Suction ..... 154
- Aerial Valve ..... 83
- Aeromaster 12 ..... 47
- Air Control Box ..... 144
- Air Operated Light ..... 144
- Air Reels, Electric Rewind ..... 148
- AkroFoam Master Stream Nozzle ..... 37
- Akromatic Master Streams ..... 34
- Akromatic Nozzle ..... 47
- Apollo™ Monitors
  - Deck Mount ..... 55
  - Hi-Riser ..... 58
  - Portable ..... 55
  - Portable Electric (PE) ..... 56
  - Single (S.I.) & Dual Inlet (D.I.) ..... 55
  - Single Waterway Monitor ..... 60
- Application Chart
  - Foam System ..... 93
  - Apparatus Valve ..... 78-80
- Applicators
  - Cellar Nozzle ..... 27
  - Coast Guard Approved ..... 28
  - Fog ..... 27
  - Military Approved ..... 29
  - Navy Approved ..... 29
  - Piercing ..... 27
- Aquastream Master Streams ..... 35
- Aries Monitors ..... 64
- Assault™ Nozzles ..... 12-15
- Automatic Nozzles ..... 34-38

**B**

- BackUp Lighting ..... 122-123
- Ball Shutoffs ..... 21
- Ball Valves ..... 79
- Ball Valve Siamese ..... 89
- Ball Valve Wye ..... 88
- Barrel Suction Strainer ..... 155
- Bases, Direct Connection ..... 154
- Basket Suction Strainer ..... 155
- Black Max Piston
  - Intake Valve ..... 85
- Blitz Tips ..... 21
- Brackets
  - Reel ..... 149
- Brass Aries ..... 64
- Brass Fog Nozzles ..... 26
- Breakapart Fog Nozzles ..... 8-15

- Brow Mount Light ..... 144
- Bumper Turret ..... 74-77
- Bush Nozzle ..... 25
- Butterfly Valves ..... 85
- By-Pass Eductor ..... 91

**C**

- Cab Dome Light ..... 127
- Calc, Fire ..... 97
- Calculator, Friction Loss ..... 97
- CAN Monitor Controls ..... 50-51
- Cap Gauge ..... 96
- Cap, Hose ..... 154
- Cap, Pressure ..... 96
- Cellar Nozzle ..... 27
- Cellar Nozzle Applicator ..... 27
- Clamp, Hose ..... 155
- Clapper Valve Siamese ..... 89
- Coast Guard Approved
  - Applicator ..... 28
  - Nozzle ..... 28
- Colored Handles & Pistol Grips ..... 24
- Combination Spanner, Fitzall ..... 152
- Connectors & Plugs Electrical ..... 151
- Conquest™
  - Electric ..... 66
  - Manual ..... 65
- Continuous Swiveling Elbow ..... 154
- Controllers, Electric Valve ..... 83
- Cord Reel ..... 149
- Cord Reel Mounting Bracket ..... 149
- Courtesy Lighting ..... 131
- Crowd Control Monitor ..... 71

**D**

- DeckMaster ..... 43
- DeckMaster, Electric Riser ..... 43
- Deck/Portable Monitor ..... 40-48
- Deluge Tip ..... 22
- Diamondback™
  - Perimeter Warning Lamps ..... 110
  - Scene Lights ..... 133-134
  - Utility Lamp, V-LED ..... 110
  - Warning Lights ..... 110-126
- Direct Connection Bases ..... 154
- Discharge Pipe ..... 23
- Discharge Valves ..... 78-80
- Dome Lamp, 8" Recessed ..... 128
- Dome Lamp, Low Profile ..... 128
- Double Female Adapter ..... 154
- Double Male Adapter ..... 154
- Drain Valve, 3/4" ..... 86
- Drain Valve, Dranit ..... 86
- Dual Shutoff Saberjet ..... 16
- Dual Stacked Tips ..... 23

**E**

- Eductors
  - By-Pass ..... 91
  - By-Pass Truck Kits ..... 91

- In-Line ..... 90
- Portable w/On Board
  - Foam Access ..... 90
- Elbows ..... 154
- Electric Monitor
  - Accessories ..... 51
  - Aeromaster 12 ..... 47
  - Apollo PE ..... 56
  - DeckMaster ..... 43
  - FireFox ..... 41
  - Forestry ..... 40
  - Gemini ..... 42
  - Ladder Pipe ..... 59
  - Renegade ..... 48
  - StreamMaster ..... 44-45, 59
  - StreamMaster II ..... 44, 45, 59
  - Systems ..... 66-71
  - Ultra-High Pressure ..... 77
- Electric Rewind Reels ..... 148
- Electric Riser for DeckMaster
  - and StreamMaster ..... 43
- Electric Valve Actuator ..... 81
- Electric Valve Controls, Navigator ..... 83
- Electrical Cord Reel ..... 148
- Electrical Junction Box ..... 151
- Elevated Monitor, Manual ..... 69
- Extenda-Lite Lights ..... 136-146
- Extrusion Mount Brackets ..... 140-144
- E-Z-Lok ..... 156

**F**

- 4AN Nozzles ..... 29
- Female to Female Adapter ..... 154
- Female to Male Adapter ..... 154
- FireCalc Pocket Calculator ..... 97
- FireFox Monitor ..... 41
- FireFox Nozzles ..... 38
- Fire Stream Calculator ..... 97
- Fitzall Spanner ..... 152
- Flashers, Controllers for Lighting ..... 114
- Flow Meter ..... 95
- Flow Navigator™ Pro ..... 83
- Flow/Pressure Meter ..... 95
- Flow Reach Data ..... 173-177
- Flow Test Kit, Apparatus ..... 94
- Flush Mount Light Head ..... 144
- Foam
  - Akrofoam ..... 37
  - Eductors ..... 90-93
  - Master Stream Foam Tubes ..... 30
  - Nozzles ..... 30-33
  - Tubes ..... 32-33
- Foam System Application Chart ..... 93
- Foam System Layouts ..... 178-179
- Fog Applicator ..... 27
- Fog Nozzles
  - Applicators, Coast Guard ..... 28
  - Assault ..... 12-15
  - Coast Guard Approved ..... 28
  - Military Approved ..... 28
  - Navy Approved ..... 28
  - Saberjet ..... 16-17
  - Turbojet ..... 8



<b>Fog Tips</b>	
Assault	12-15
Coast Guard	28
Military	28
Navy	28
TurboJet	8
Forcible Entry Tools	152
Forestry	
Nozzles	25-27
Forestry Monitor	40
Four-Way Hydrant Valve	87
Friction Loss Calculator	97
Fusion CF Composite Ball	78-80
<b>G</b>	
Gate Valve	87
Gauges	
Cap	96
Line	96
Pitot	94
Pressure	94
Gemini Electric Monitor	42
Gemini Monitor	42, 58, 62, 68
Genesis Monitors	68
GP Manual Monitor	58
Grease	157
<b>H</b>	
Hand Held Pitot	94
Hand Portable Light	140
Handle Cup, Bracket	142
Handle, Remote Control "T"	82
Handles, Colored	26
Heavy Duty Swing-Out Valve	78
Hercules HC	104
HFRT-10, Trident	46
HID Light	133
High Pressure Nozzles	26
Hi-Riser, Apollo	57
Hoist, Hose	157
Holder, E-Z-Lok Nozzle	156
Holder, Spanner Wrench	152
Hose and Ladder Strap	157
Hose Cap	154
Hose Clamps	155
Hose Hoist	157
Hose Jacket	155
Hose Jacket Peg	155
Hose Plug	154
Hose Testing Cap	95
Hydrant Adapters	154-155
Hydrant Flow Test Kit	94
Hydrant Mount	72
Hydrant Valves	87
Hydrant Wrenches	152
Hydrant Wye	88
Hydraulic Monitors	62
Hydraulic Nozzles	34-39
Hydraulic Reels, Electric Rewind	148
HydroMax	78-79

<b>I</b>	
Industrial Eductors	90
Industrial Monitors	60-69
Industrial Turbojet Nozzles	10
In-Line Eductor	90
In-Line Valves	78-80
Intake Pressure Relief Valve	86
Intake Valves	84-85
Interior Lighting	128-132
IR Programmer	110
<b>J</b>	
Jackets, Hose	155
Joystick	51
Junction Box	151
<b>K</b>	
Kits	
Service	168-169
Tool	156
<b>L</b>	
Ladder Pipe, Manual	59
Ladder Strap, Hose	157
Leader Line Wye	88
LED	
Scene Lighting	133-136
Vehical Lighting	110-135
License Illuminators	131
Liftoff, OzzieMaster	54
Light Heads	136-144
Light Weight Apparatus Valve	83
Line Gauges	96
Line Valves	78-80
Live Cord Reel	148-149
Locking Collar Bracket	140
Lubricants	157
Lubriplate	157
<b>M</b>	
Male to Female Adapter	154
Male to Male Adapter	154
Manual Mast	143
Marker Lighting	124-26
Master Stacked Tips	23
Master Stream Nozzles	34-39
Mercury Monitor	53
Mercury Nozzle	39
MercuryMaster 1000™ Monitor	53
MercuryMaster Oscillating Nozzle	53
Mid-Range Nozzles	
Assault	12
SaberJet	16
TurboJets	8
Mid-X Medium Expansion Foam Tube	31
Military Nozzles	28
Mini Stream Shaper	23
Monitor Extension	43, 57

<b>Monitors</b>	
Aeromaster 12	47
Apollo™	55-57
Apollo Electric	56
Apollo Hi-Riser	57
Apollo PE	56
Aries	64
Conquest	65-66
Crowd Control	71
Deck	41-51
DeckMaster	43
Elevated	69
FireFox	41
Force Protection	71
Forestry	40
Gemini	42, 58, 62, 68
Genesis	68
GP Manual	58
Ladder Pipe	59
Manual Elevated	69
Mercury	53
MercuryMaster 1000	53
Omega	63-65
Omega SD	64
Omega XP, XPV	63
Ozzie	54
Ozzie Master	54
Portable	52-57
Renegade	48
Severe Duty Monitor	61-62
Storm	67
StreamMaster II	44-45
Trident HFRT-10	46
Tuckaway	76
Mounting Fixture, Monitor	57
Mounting Peg	155
Mounting Plate, E-Z-Lok	156
Multiplexing, V-MUX	98-109

## N

Navigator Pro Valve Controllers	83
Navy Fog Nozzle	29
Navy Fog Tip	29
Nodes, V-MUX	104-108
Nozzles	
Adapter	154-155
Adjustable, Manual MercuryMaster	39
AkroFoam	37
Akromatic	37
Applicators, Coast Guard	28
Aquamaster	35
Assault	12-15
Attic	27
Ball Shutoff	21
Brass Fog	26
Breakapart, Assault	10-13
Breakapart, TurboJet	7-10
Bush	25
Coast Guard Approved	28
Deck Pipe	41-51
Foam	30-33
Forestry	25
Holder, E-Z-Lok	156
Mid-Range	5, 9, 14, 16
Military Approved	28-29
Navy Approved	29
Oscillating MercuryMaster	53
Playpipe, Shutoff	20
Provenger	19
Revolving Cellar	27
SaberJet	16-17
SaberMaster	34
Turbojet	6-11

## O

Occupant Restraint Indicator	106
Off Truck Foam Kit	91
Omega	63-65
Omega, Severe-Duty	64
Oscillating Flange	72
Oscillating MercuryMaster Nozzle	53
Oscillating Monitor	54
Outrigger Lamp	119
Ozzie	54
Ozzie Master	54

## P

Panel Adapter, Pressure-Vacuum	95
Parker O-Lube	157
Peg, Hose Jacket	156
Piercing Applicator & Extension	27
Pipes	
Discharge	23
Ladder	59
Pistol Grip, Colored	24
Piston Intake Valve	85
Pitot Gauge	94
Plain Tip	22
Plain Wye	88
Platform Monitor	42-48

## Playpipes

Axial	20
Playpipe Nozzles	20
PL Series Light	140
Plug, Hose	154
Plugs & Connectors Electrical	151
Pneumatically Operated Light	144
Point and Aim Joystick	51
Portable Deck Monitor	54-57
Portable Flow Meter	95
Portable Light	140
Portable Mount	140
Position Indicators	
Monitor	51
Valve	82
Pressure, Flow Meter	95
Pressure, Gauge	96
Pressure Relief Valve	96
Pressure-Vacuum Panel Adapter	95
Proportioners	
By-Pass Eductor	91
In-Line Eductor	90
Truck Installations	91
Provenger Nozzles	19
Pull-up Flood Light	142
Pull-up Poles	142
Pump Panel Lamp	130
Push-up Poles	142
Pyrolite Fittings	
Double Females	154
Double Males	154
Hydrant Wye	88
Hydrant Valve, 4-Way	87
Leader Line Wye	88
Suction Siamese	89
Water Thief	88

## Q

Quarter Turn Drain Valve	86
Quick-Attack Foam Tubes	32
Quickfit Sprinkler Shutoff	156

## R

Rack and Sector Actuators	82
Rampage	35
Reach Data, Flow	173-177
Receptacles	151
Recess Mount Light	144
Recessed Interior Dome Lamp	128
Recessed T-Handle	82
Reels	
Brackets	149
Cord	148-149
Electric Rewind	148
Remote Control	82
Remote Control T-Handle	82
Remote Control Monitor	40-43
Remote Control Systems	66-71
Renegade Monitor	48
Repair Kits	168-169

Revel™ Scene Light	137
Revel Scout™	136
Revolving Cellar Nozzle	27
Revolution Intake Valve	84
Riser, DeckMaster	43
Roof Turret	75
Running Board Mounting Peg	155

## S

Saber Shutoff	16
SaberJet™ Nozzles	16-17
SaberMaster 1250	34
Scene Lighting	136-147
SceneStar LED Scene Light	138
Scout, Revel	136
Sealed Vista IV	102
Seatbelt Indicator, System	106
Sensor, Heat	108
Service Kits	168-169
Severe-Duty Monitor	61-62
Shutoffs	
Nozzles, Ball	21
Playpipe, Nozzles	20
Quickfit Sprinkler	156
Saber	16
Trigger	26
Siamese	
Clapper	89
Plain	89
Pyrolite	89
Suction	89
Side Mount Brackets	142
Single Gallonage Master Stream	38
Single Inlet Apollo	55
Slo-Cloz	82
Spanner Wrench Holder	152
Spanner Wrenches	152
Specialty Nozzles	25-27
Sprinkler Shutoff, Quickfit	156
Stacked Tips	23
Stepwell Lighting	131
Stop, Turn & Tail Lighting	118-121
Storm	67
Strainers, Suction	155
Strap, Hose & Ladder	156
StreamMaster II	44-45
Stream Shaper, Mini	23
Strobe Light	110, 114
Suction Adapters	154
Suction Elbow	154
Suction Siamese	
Clapper	89
Plain	89
Pyrolite	89
Suction Strainers	155
Suction Valves	89
Super Light, Light Head	138
Swing-Out Valve Guide	158-159
Swing-Out Valves	81-82
Swing-Out Valves, Heavy Duty	81-82
Swivel Base Light	143
Swivel Joint	154



Swiveling Elbow ..... 154  
 SystemDesigner Software.....100

### T

Tail Lamp Assemblies ..... 118-121  
 Tank Washdown System .....70  
 Test Gauge Kit .....95  
 Thief, Water .....88  
 Three-Way Hydrant Wye.....88  
 Three-Way Suction Siamese.....89  
 Three Wrench Holder ..... 152  
 Through the Roof Mount ..... 142  
 Tips  
     Assault .....12-15  
     Blitz ..... 21  
     Coast Guard, Fog .....28  
     Deluge.....22  
     Military Fog.....28  
     Monitor .....23  
     Navy Fog.....28  
     Plain.....22  
     Stacked.....2  
     Turbojet .....6-11  
 Tool Kit..... 156  
 Top Mount Brackets ..... 142  
 Top Mounting Fixture, Monitor..... 57  
 Trident HFRT-10 .....46  
 Trigger Shutoff.....26  
 Tripod.....140  
 Tripod Mounting Bracket ..... 14  
 Tri Tail Lamps ..... 121  
 Turbojet™ Nozzles .....6-11  
 Turbomaster .....35  
 Turrets .....74-77  
 Twist Lock Bracket ..... 142

### U

Ultra High Pressure Bumper Monitor ..... 77  
 Ultra High Pressure Bumper Turret..... 77  
 Ultra High Pressure Handline Nozzle..... 26  
 Universal II Monitor  
     Control System..... 50  
 Upper Deck .....57  
 Utility Lighting  
     Courtesy Lamps..... 131  
     Diamondback V-LED Utility Lamp.....130  
     Dome/Pump Panel Lamp.....128  
     License Illuminator / Stepwell..... 131  
     Stepwell Lamp..... 131  
     Utility Lamps .....131  
     Work Lamp, LED .....130

### V

Valve Controllers.....83  
 Valve Guide..... 158-167  
 Valves  
     Apparatus.....78-80  
     Butterfly.....85  
     Controllers .....83  
     Discharge.....78-80  
     Drain, Valve, 3/4".....86  
     Dranit, Drain Valve.....86  
     Gate.....87  
     Hydrant Valve, 4-Way.....76  
     In-Line.....78-80  
     Line .....78-80  
     Meter, Flow/Pressure.....95  
     Piston Intake.....85  
     Pressure Relief .....96  
     Suction.....89  
     Swing-Out.....78-83  
     Vari Nozzle .....28-29  
 Vehicle Data Recorder (VDR).....108  
 Vehicle Scene Lighting.....133-134  
 Vehicle Washdown System.....70  
 Vista IV Display .....102  
 V-MUX Multiplexing System .....98-108  
     Diagnostic Software .....101  
     Downloader Software .....100  
     Field Service Kit, Diagnostics.....101  
     Input/Output Nodes .....105-108  
     Pods / Switches.....103  
     SystemDesigner Software.....100  
     VFD Display .....108  
     Vista IV Display.....102  
     Vista IV, Sealed .....102

### W

Warning Lighting .....110-115  
 Washdown Systems  
     Tank.....70  
     Vehicle .....70  
 Water Flow Test Kits.....94  
 Water Thief.....88  
 Wide Range Turbojet .....9  
 Wildland Nozzles .....25  
 Work Lamp, LED .....130  
 Working Light, Revel Scout .....137  
 Wrench Holders.....152  
 Wrenches, Hydrant.....152  
 Wrenches, Spanner.....152  
 Wye.....  
     Gated .....88  
     Hydrant.....88  
     Leader Line .....88  
     Plain.....88  
     Pyrolite .....88

### Z

ZT Nozzle Grip .....25

From our global sales team to our customer care service and engineering staff, we endeavor to provide peace of mind for you, no matter what the location in the world.

**Ohio, USA Headquarters:**

Customer Care and Technical Assistance representatives are available Monday through Friday 8:00 A.M. – 5:00 P.M. EST.

**Akron Brass Company:** 800.228.1161 | 330.264.5678

**Weldon, a division of Akron Brass:** 800.989.2718 | 614.529.7230

**Contact Customer Care for:**

- Product orders and special requests
- Access to detailed product information
- Shipment details

**Contact Technical Support for:**

- Product troubleshooting
- Technical data such as parts lists, instructions, drawings
- Product repair seminars

**How to Order:**

Customers: Contact your local authorized Akron Distributor. Visit [akronbrass.com](http://akronbrass.com) to locate a distributor near you.

Distributors / OEMs: Send your orders to [akroncare@idexcorp.com](mailto:akroncare@idexcorp.com)

**How to return your product for Service & Warranty Evaluation:**

Submit your request online at [onlinerepair.akronbrass.com](http://onlinerepair.akronbrass.com) or call Customer Care for estimates and shipping instructions.

**How to return your product for Credit:**

Submit your request online at [akronbrass.com/customer-support-returns](http://akronbrass.com/customer-support-returns) or call Customer Care for a Return Materials Authorization (RMA) number.

**Follow us on:**



# Tested... Proven... Trusted.

