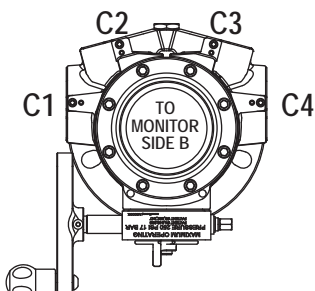


Slow Close Valve Option is available on all models. Call for additional information.

**CONTACT CUSTOMER SERVICE FOR CONFIGURATIONS AND AVAILABILITY**

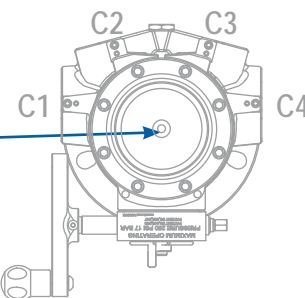
AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4			
Without Extension Pipe		With 4.75" Extension Pipe	With 2.75" Extension Pipe
1) Blind Plug	1) N/C		
2) 2.5" NH Gated Elbow Left-Hand*	2) \$740.00	B) \$895.00	G) \$895.00
3) 2.5" NH Gated Elbow Right-Hand*	3) \$740.00	C) \$895.00	H) \$895.00
4) 2.5" NH Hydrant Valve Straight*	4) \$740.00	D) \$895.00	J) \$895.00
5) 2.5" NH Male Threads (no valve)	5) \$160.00	E) \$315.00	K) \$315.00
6) 2.5" NPT Female Threads (no valve)	6) \$160.00	F) \$315.00	L) \$315.00
7) Pressure Relief Valve	7) \$460.00	Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.	
8) External Automatic Drain Valve	8) N/C		

## AUXILIARY PORT DESIGNATION



Note: Handwheel is factory configured on left-hand side of valve, but is field reversible for right-hand configuration.

## OPTIONAL DRAIN



If the VUM is equipped with an automatic drain valve, the monitor will drain following use to the extent allowable by gravity, the monitor's orientation and its geometry. The drain valve, located in the half ball, is designed to close automatically when pressure exceeds 5 psi. When pressure drops below 5 psi, the drain valve will open.

**OPTIONAL  
3" and 6" FLANGE  
Outlet or Inlet Adapter  
Available.**

## AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4

See Diagram and Chart on page 183

Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

## CRANK HANDLE CONTROL (WORM DRIVE GEARBOX)

## Dimensional Minimum

AKM11\*\*\*\*\*

19.3 lb (8.8 kg)

6.60" (16.8 cm) height

12.65" (32.1 cm) width

12.20" (31.0 cm) depth

## Dimensional Maximum

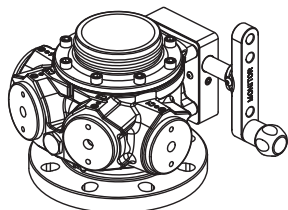
AKM11\*\*\*\*\*

49.3 lb (22.4 kg)

6.60" (16.8 cm) height

33.20" (84.3 cm) width

24.10" (61.2 cm) depth



- Worm Drive Control
- 4" ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet

**AKM11**

\$1070.00

BASE MODEL

C1	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4			
					N/C	
					D=Drain Z=No Drain	

## Dimensional Minimum

AKM12\*\*\*\*\*

20.0 lb (9.1 kg)

7.9" (20.1 cm) height

12.65" (32.1 cm) width

12.20" (31.0 cm) depth

## Dimensional Maximum

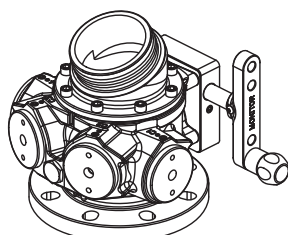
AKM12\*\*\*\*\*

50.0 lb (22.7 kg)

7.9" (20.1 cm) height

33.2" (84.3 cm) width

24.1" (61.2 cm) depth



- Worm Drive Control
- 4" ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet

**AKM12**

\$1495.00

BASE MODEL

C1	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4			
					N/C	
					D=Drain Z=No Drain	

## Dimensional Minimum

AKM13\*\*\*\*\*

23.9 lb (10.8 kg)

8.7" (22.1 cm) height

12.65" (32.1 cm) width

12.20" (31.0 cm) depth

## Dimensional Maximum

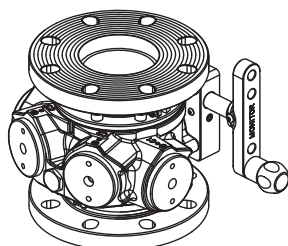
AKM13\*\*\*\*\*

53.9 lb (24.40kg)

8.7" (22.1 cm) height

33.2" (84.3 cm) width

24.1" (61.2 cm) depth



- Worm Drive Control
- 4" ANSI 150 Flange Inlet
- 4" ANSI 150 Flange Outlet

**AKM13**

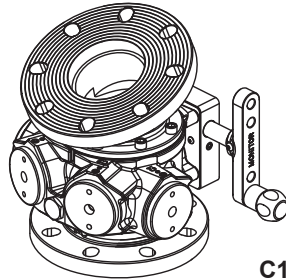
\$1495.00

BASE MODEL

C1	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4			
					N/C	
					D=Drain Z=No Drain	

**Dimensional Minimum**  
**AKM14\*\*\*\***  
 25.0 lb (11.3 kg)  
 9.9" (25.1 cm) height  
 12.65 (32.1 cm) width  
 12.20" (31.0 cm) depth

**Dimensional Maximum**  
**AKM14\*\*\*\***  
 55.0 lb (24.9 kg)  
 9.9" (25.1 cm) height  
 33.2" (84.3 cm) width  
 24.1" (61.2 cm) depth



- Worm Drive Valve Control
- 4" ANSI 150 Flange Inlet
- 22.5° 4" ANSI 150 flange Outlet

## AKM14

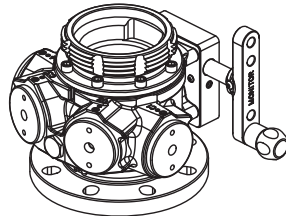
\$1860.00

BASE MODEL

	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C1	C2	C3	C4		
					N/C	
					D=Drain Z=No Drain	

**Dimensional Minimum**  
**AKM1Q1111D**  
 21.7 lb (9.8 kg)  
 8.20" (20.8 cm) height  
 12.65" (32.1 cm) width  
 12.20" (31.0 cm) depth

**Dimensional Maximum**  
**AKM1Q\*\*\*\***  
 51.7 lb (23.4 kg)  
 8.20" (20.8 cm) height  
 33.20" (84.3 cm) width  
 24.10" (61.2 cm) depth



- Worm Drive Control
- 4" ANSI 150 Flange Inlet
- 4.5" NH Quick Connect Outlet for Monitors and Elbows

## AKM1Q

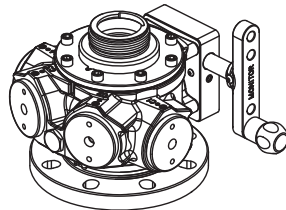
\$1070.00

BASE MODEL

	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C1	C2	C3	C4		
					N/C	
					D=Drain Z=No Drain	

**Dimensional Minimum**  
**AKM1T1111D**  
 21.5 lb (9.7 kg)  
 8.1" (20.7 cm) height  
 12.65" (32.1 cm) width  
 12.20" (31.0 cm) depth

**Dimensional Maximum**  
**AKM1T\*\*\*\***  
 51.5 lb (23.3 kg)  
 8.1" (20.7 cm) height  
 33.2" (84.3 cm) width  
 24.1" (61.2 cm) depth



- Worm Drive Control
- 4" ANSI 150 Flange Inlet
- 2.5" NH Quick Connect Outlet for Tornado Monitor

## AKM1T

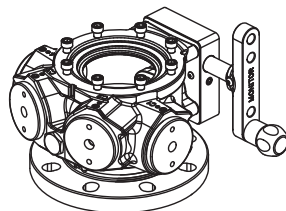
\$1070.00

BASE MODEL

	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C1	C2	C3	C4		
					N/C	
					D=Drain Z=No Drain	

**Dimensional Minimum**  
**AKM1V\*\*\*\***  
 17.5 lb (7.9 kg)  
 6.1" (15.5 cm) height  
 12.65 (32.1 cm) width  
 12.20" (31.0 cm) depth

**Dimensional Maximum**  
**AKM1V\*\*\*\***  
 47.5 lb (21.5 kg)  
 6.1" (15.5 cm) height  
 33.2" (84.3 cm) width  
 24.1" (61.2 cm) depth



- Worm Drive Valve Control
- 4" ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5" offset Typhoon

## AKM1V

\$1070.00

BASE MODEL

	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C1	C2	C3	C4		
					N/C	
					D=Drain Z=No Drain	

## AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4

See Diagram and Chart on page 183

Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

## CRANK HANDLE CONTROL (PARALLEL DRIVE GEARBOX)

## Dimensional Minimum

AKP111111D

19.3 lb (8.7 kg)

6.60" (16.8 cm) height

9.40" (23.9 cm) width

13.80" (35.1 cm) depth

## Dimensional Maximum

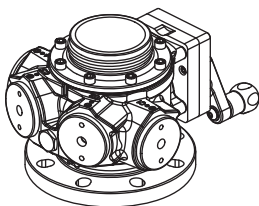
AKP11\*\*\*\*\*

49.4 lb (22.4 kg)

6.6" (16.8 cm) height

33.2" (84.3 cm) width

25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet

**AKP11**

\$1235.00

BASE MODEL

C1	AUXILIARY PORTS			BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

## Dimensional Minimum

AKP121111D

19.3 lb (8.7 kg)

7.9" (20.1 cm) height

9.4" (23.9 cm) width

13.8" (35.1 cm) depth

## Dimensional Maximum

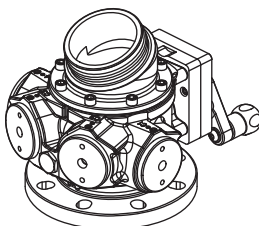
AKP12\*\*\*\*\*

50.1 lb (22.7 kg)

7.9" (20.1 cm) height

33.2" (84.3 cm) width

25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet

**AKP12**

\$1660.00

BASE MODEL

C1	AUXILIARY PORTS			BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

## Dimensional Minimum

AKP131111D

23.9 lb (10.8 kg)

8.7" (22.1 cm) height

9.4" (23.9 cm) width

13.8" (35.1 cm) depth

## Dimensional Maximum

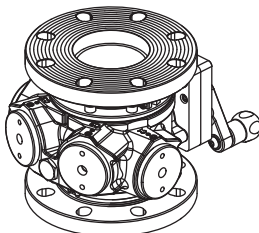
AKP13\*\*\*\*\*

53.9 lb (24.4 kg)

8.7" (22.1 cm) height

33.2" (84.3 cm) width

25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" ANSI 150 Flange Inlet
- 4" ANSI 150 Flange Outlet

**AKP13**

\$1660.00

BASE MODEL

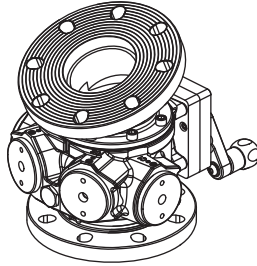
C1	AUXILIARY PORTS			BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum  
AKP14\*\*\*\***

25.0 lb (11.3 kg)  
9.9" (25.1 cm) height  
9.40" (23.9 cm) width  
13.80" (35.1 cm) depth

**Dimensional Maximum  
AKP14\*\*\*\***

55.0 lb (24.9 kg)  
9.9" (25.1 cm) height  
33.2" (84.3 cm) width  
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" ANSI 150 Flange Inlet
- 22.5° 4" ANSI 150 flange Outlet

**AKP14**

**\$2015.00**

**BASE MODEL**

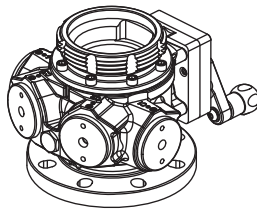
C1	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4			
					N/C	
					D=Drain Z=No Drain	

**Dimensional Minimum  
AKP1Q1111D**

21.4 lb (9.7 kg)  
8.20" (20.8 cm) height  
9.40" (23.9 cm) width  
13.80" (35.1 cm) depth

**Dimensional Maximum  
AKP1Q\*\*\*\***

51.4 lb (23.3 kg)  
8.2" (20.8 cm) height  
33.2" (84.3 cm) width  
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" ANSI 150 Flange Inlet
- 4.5" NH Quick Connect Outlet for Monitors and Elbows

**AKP1Q**

**\$1235.00**

**BASE MODEL**

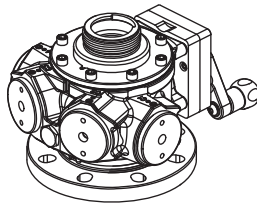
C1	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4			
					N/C	
					D=Drain Z=No Drain	

**Dimensional Minimum  
AKP1T1111D**

21.2 lb (9.6 kg)  
8.1" (20.7 cm) height  
9.4" (23.9 cm) width  
13.8" (35.1 cm) depth

**Dimensional Maximum  
AKP1T\*\*\*\***

51.2 lb (23.2 kg)  
8.1" (20.7 cm) height  
33.2" (84.3 cm) width  
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" ANSI 150 Flange Inlet
- 2.5" NH Quick Connect Outlet for Tornado Monitor

**AKP1T**

**\$1235.00**

**BASE MODEL**

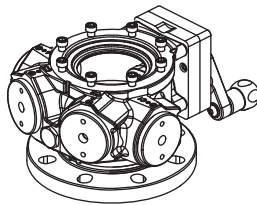
C1	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4			
					N/C	
					D=Drain Z=No Drain	

**Dimensional Minimum  
AKP1V\*\*\*\***

17.5 lb (7.9 kg)  
6.1" (15.5 cm) height  
9.40" (23.9 cm) width  
13.80" (35.1 cm) depth

**Dimensional Maximum  
AKP1V\*\*\*\***

47.5 lb (21.5 kg)  
6.1" (15.5 cm) height  
33.2" (84.3 cm) width  
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5" offset Typhoon

**AKP1V**

**\$1235.00**

**BASE MODEL**

C1	AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
	C2	C3	C4			
					N/C	
					D=Drain Z=No Drain	



## AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4

See Diagram and Chart on page 183

Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

## ELECTRIC REMOTE CONTROL (RC)

## Dimensional Minimum

AKE111111D

23.7 lb (10.7 kg)

6.6" (16.8 cm) height

10.3" (26.2 cm) width

12.9" (32.8 cm) depth

## Dimensional Maximum

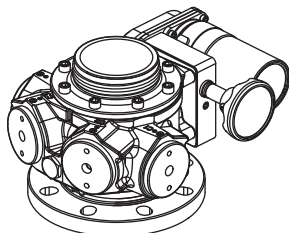
AKE11\*\*\*\*\*

53.7 lb (24.3 kg)

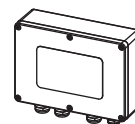
6.6" (16.8 cm) height

33.2" (84.3 cm) width

24.1" (61.2 cm) depth



- Electric Valve Control
- 4" ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet



Includes Interface Enclosure

**AKE11**

\$2835.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

## Dimensional Minimum

AKE112111D

24.4 lb (11.0 kg)

7.9" (20.1 cm) height

10.3" (26.2 cm) width

12.9" (32.8 cm) depth

## Dimensional Maximum

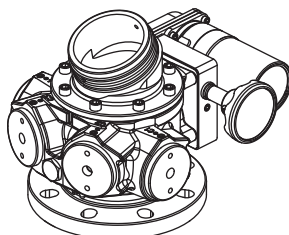
AKE12\*\*\*\*\*

54.4 lb (24.7 kg)

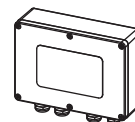
7.9" (20.1 cm) height

33.2" (84.3 cm) width

24.1" (61.2 cm) depth



- Electric Valve Control
- 4" ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet



Includes Interface Enclosure

**AKE12**

\$3575.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

## Dimensional Minimum

AKE131111D

28.2 lb (12.8 kg)

8.7" (22.1 cm) height

10.3" (26.2 cm) width

12.9" (32.8 cm) depth

## Dimensional Maximum

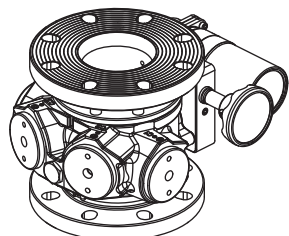
AKE13\*\*\*\*\*

58.2 lb (26.4 kg)

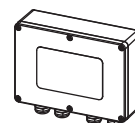
8.7" (22.1 cm) height

33.2" (84.3 cm) width

24.1" (61.2 cm) depth



- Electric Valve Control
- 4" ANSI 150 Flange Inlet
- 4" ANSI 150 Flange Outlet



Includes Interface Enclosure

**AKE13**

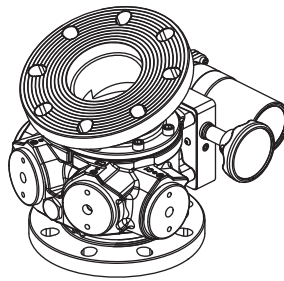
\$3620.00

BASE MODEL

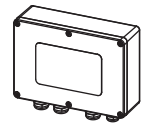
AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum  
AKE14\*\*\*\***  
29.4 lb (13.3 kg)  
9.9" (25.1 cm) height  
10.3" (26.2 cm) width  
12.9" (32.8 cm) depth

**Dimensional Maximum  
AKE14\*\*\*\***  
59.4 lb (26.9 kg)  
9.9" (25.1 cm) height  
33.2" (84.3 cm) width  
24.1" (61.2 cm) depth



- Electric Valve Control
- 4" ANSI 150 Flange Inlet
- 22.5° 4" ANSI 150 flange Outlet



Includes Interface  
Enclosure

## AKE14

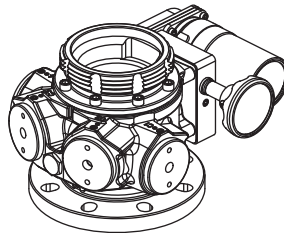
\$3925.00

BASE MODEL

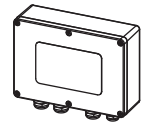
AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum  
AKE1Q1111D**  
26.0 lb (11.8 kg)  
8.2" (20.8 cm) height  
10.3" (26.2 cm) width  
12.9" (32.8 cm) depth

**Dimensional Maximum  
AKE1Q\*\*\*\***  
56.0 lb (25.4 kg)  
8.2" (20.8 cm) height  
33.2" (84.3 cm) width  
24.1" (61.2 cm) depth



- Electric Valve Control
- 4" ANSI 150 Flange Inlet
- 4.5" NH Quick Connect Outlet for Monitors and Elbows



Includes Interface  
Enclosure

## AKE1Q

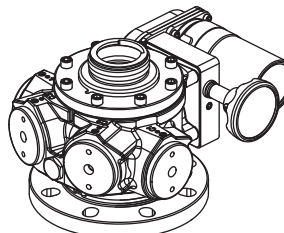
\$2835.00

BASE MODEL

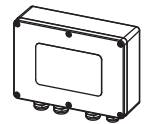
AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum  
AKE1T1111D**  
21.2 lb (9.6 kg)  
8.1" (20.7 cm) height  
10.3" (26.2 cm) width  
12.9" (32.8 cm) depth

**Dimensional Maximum  
AKE1T\*\*\*\***  
51.2 lb (23.2 kg)  
8.1" (20.7 cm) height  
33.2" (84.3 cm) width  
24.1" (61.2 cm) depth



- Electric Valve Control
- 4" ANSI 150 Flange Inlet
- 2.5" NH Quick Connect Outlet for Tornado Monitor



Includes Interface  
Enclosure

## AKE1T

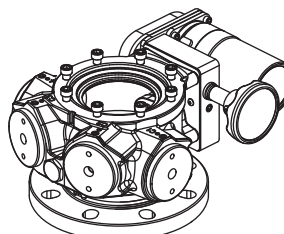
\$2835.00

BASE MODEL

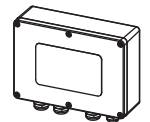
AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum  
AKE1V\*\*\*\***  
21.9 lb (9.9 kg)  
6.1" (15.5 cm) height  
10.3" (26.2 cm) width  
12.9" (32.8 cm) depth

**Dimensional Maximum  
AKE1V\*\*\*\***  
51.9 lb (23.5 kg)  
6.1" (15.5 cm) height  
33.2" (84.3 cm) width  
24.1" (61.2 cm) depth



- Electric Valve Control
- 4" ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5" offset Typhoon



Includes Interface  
Enclosure

## AKE1V

\$2835.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

BALL INTAKE VALVE RC

The Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT's Ball Intake Valve with the addition of powered operation. A large handwheel is installed on the drive shaft for immediate manual override. Designed for 12 VDC or 24 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick connect plug for the connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick connect electric plug. Six seconds from open to close meets NFPA 1901 slow close requirement. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Contact TFT customer service for configurations not shown. Pressure Loss Chart located at the end of catalog.

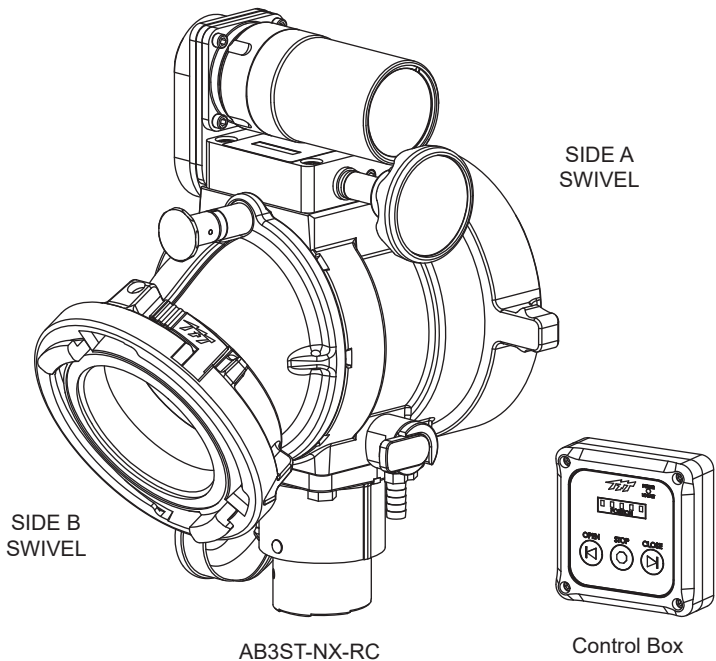
Dimensional Maximum  
AB7HNX-NX-RC  
40.0 lbs (18.0kg)  
16.50" (42.0cm) Height  
13.00" (26.0cm) Width  
14.00" (35.8cm) Depth

\$4080.00

For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.



To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 216.



Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

6" Threaded Male	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
	<b>AA9NX-NP</b> <b>\$140.00</b>	<b>AA9NX-NR</b> <b>\$140.00</b>

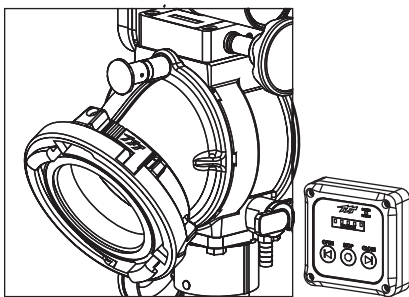
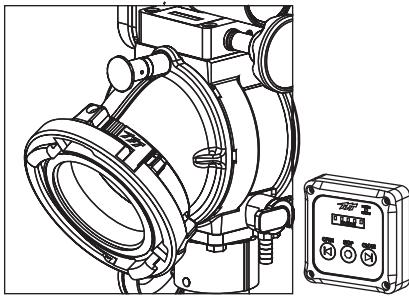
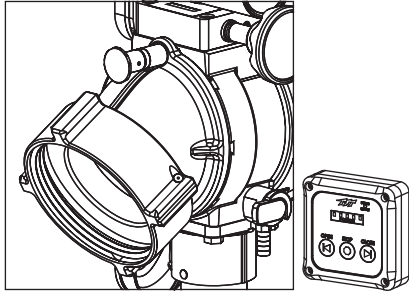
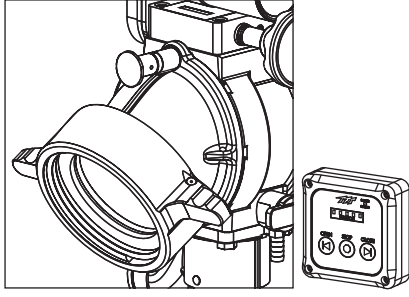
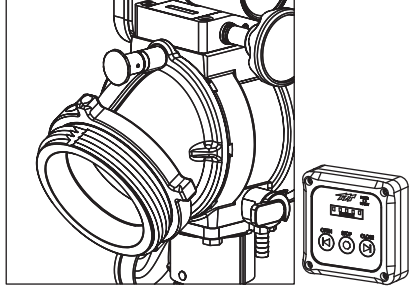
For additional control heads order A-DISP (page 177).

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 218 for diagram

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AB with AC.  
AC denotes no PRV, deduct \$250 from the appropriate AB published list price.  
Pressure Relief Valve information is located on page 151.  
Suction Screen information is located on page 216, under LDH service kits.



Side B			Side A												
AB			—		— RC										
	<div>1SP) 4.0" Rigid Storz 1ST) 5.0" Rigid Storz 1SX) 6.0" Rigid Storz</div> <div></div>			<div>NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel</div>											
	<div>3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz</div> <div></div>		<div>(Choose Side A/Side B suffix from table) Example: A 5.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be</div> <table><tr><td>AB</td><td>7</td><td>N</td><td>T</td><td>-</td><td>N</td><td>X</td><td>-</td><td>R</td><td>C</td></tr></table>			AB	7	N	T	-	N	X	-	R	C
AB	7	N	T	-	N	X	-	R	C						
	<div>7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel</div> <div></div>														
	<div>7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle</div> <div></div>														
	<div>8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid</div> <div></div>														

JUMBO BALL INTAKE VALVE RC

The Jumbo Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT's Jumbo Ball Intake Valve with the addition of powered operation. A handwheel is installed on the drive shaft for immediate manual override. Designed for 12 or 24 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick connect plug for the connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick connect electric plug. Six seconds from open to close, meets NFPA 1901 slow close requirement. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Contact TFT customer service for configurations not shown. Pressure Loss Chart located at the end of catalog.

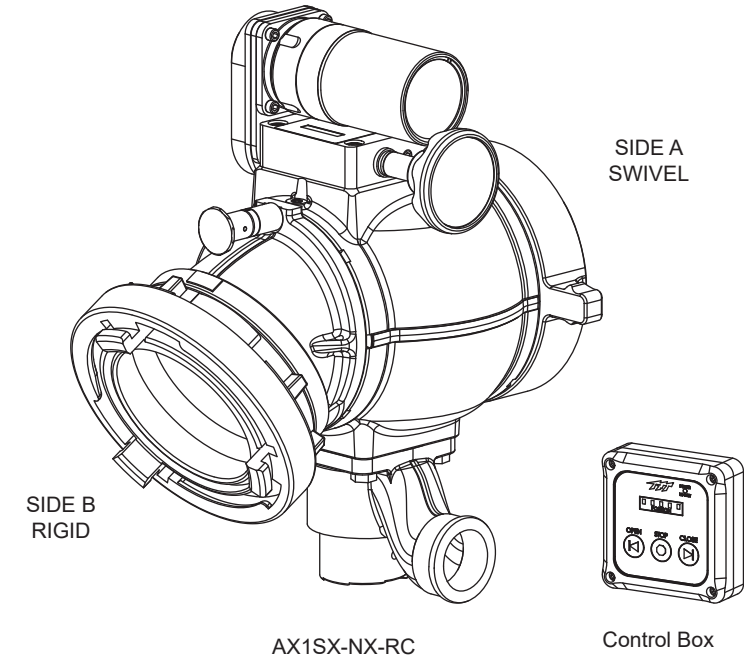
Dimensional Maximum  
AX7HNX-NX-RC  
40.0 lbs (18.0kg)  
17.60" (45.0cm) Height  
13.00" (26.0cm) Width  
15.50" (39.0cm) Depth

\$4435.00

For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.



To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 216.



Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	AA9NX-NP \$140.00	AA9NX-NR \$140.00

For additional control heads order A-DISP (page 177).

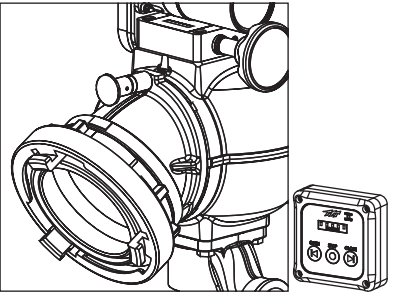
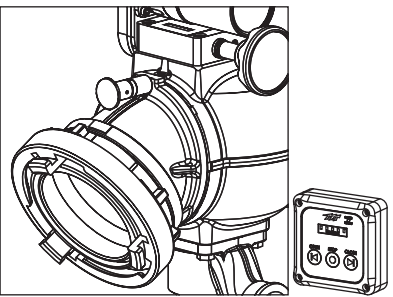
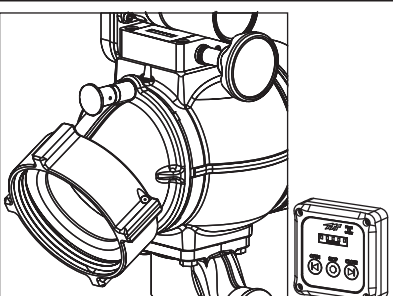
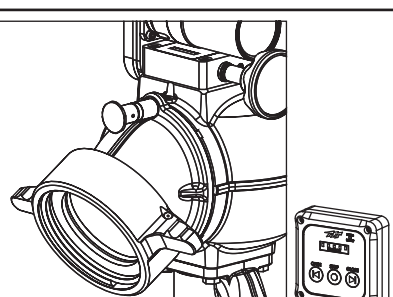
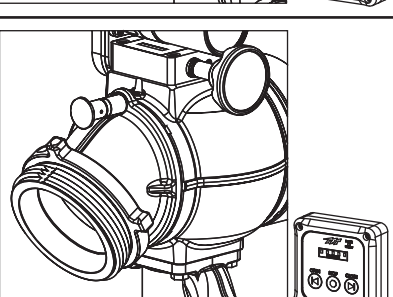
Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 218 for diagram

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AX with AZ.  
AZ denotes no PRV, deduct \$250 from the appropriate AX published list price.  
Pressure Relief Valve information is located on page 151.  
Suction Screen information is located on page 216, under LDH service kits.

## Side B

## Side A

AX			—		—	RC
	1SP) 4.0" Rigid Storz 1ST) 5.0" Rigid Storz 1SX) 6.0" Rigid Storz			NX) 6.0" Threaded Swivel NY) 8.0" Threaded Swivel		
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

**AX**   **-**   **-**   **R**   **C**

(Choose Side A/Side B suffix from table)

Example: A 5.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

AX 7 N T - N X - R C

JUMBO LOW PROFILE BALL INTAKE VALVE RC

AXD Series – The Jumbo Low Profile Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT’s Jumbo Low Profile Ball Intake Valve with the addition of powered operation. A handwheel is installed on the drive shaft for immediate manual override. Designed for 12 or 14 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick- connect plug for connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick-connect electric plug. Six seconds from open to close, meets NFPA 1901 slow close requirement. The valve is designed for pressure or vacuum service. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. A rugged ¼-turn Air Vent at the top of the valve allows air to be bled quickly. TFT’s adjustable Pressure Relief Valve (PRV) is installed with the discharge pointing downward and meets NFPA 1901 (2009 Edition). The aluminum castings are hardcoat anodized, and TFT powdercoated finished inside and out for maximum corrosion protection. All wetted components are aluminum alloys to prevent galvanic corrosion, and are specially coated for additional corrosion protection. Hose coupling and truck connections are attached to the valve using polymer bearing rings which can provide electrical isolation to help prevent galvanic corrosion. The Jumbo Low Profile Ball Intake Valve RC is covered by a 10 year warranty. Contact TFT customer service for configurations not shown. Friction loss is 5 psi at 2000 gpm; Pressure Loss Chart located at the end of catalog.



The Low Profile Jumbo Intake Value series includes a 10 year warranty against manufacturing defects and corrosion that affects the valve’s operational performance.

Dimensional Maximum  
AXD7HNX-NXRC  
30.5 lbs (13.8kg)  
12.3” (31.2cm) Height  
15.6” (39.6cm) Width  
11.3” (28.7cm) Depth  
  
\$4200.00

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

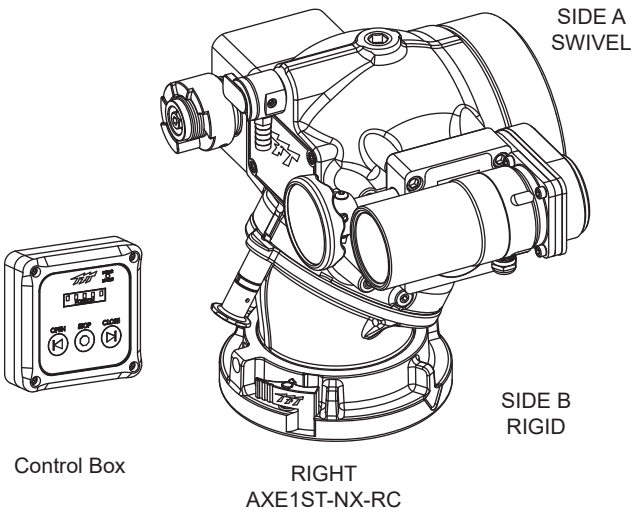
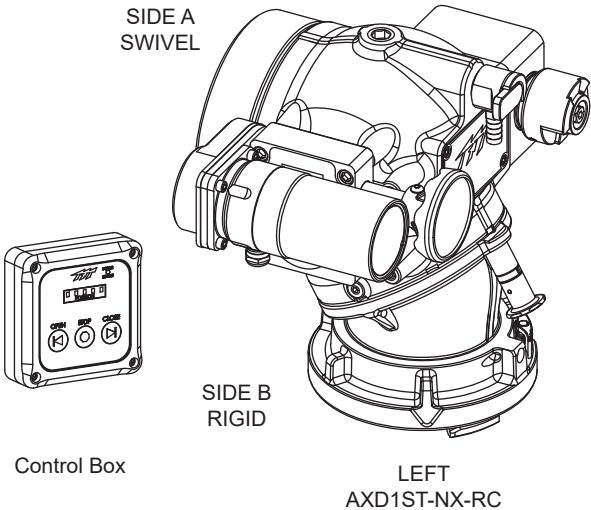
	4.00” (100.0mm) Pump Inlet Adapter	4.50” (110.0mm) Pump Inlet Adapter
6” Threaded Male	AA9NX-NP \$140.00	AA9NX-NR \$140.00



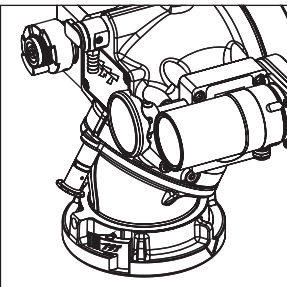

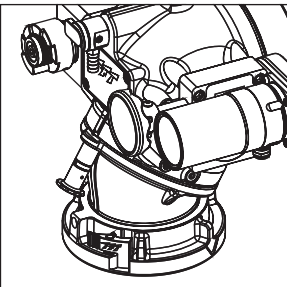

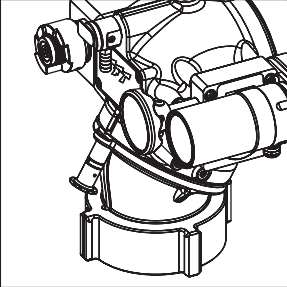

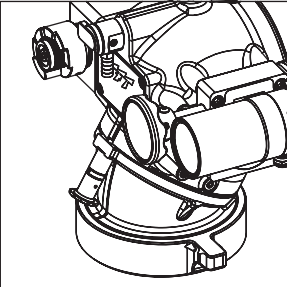

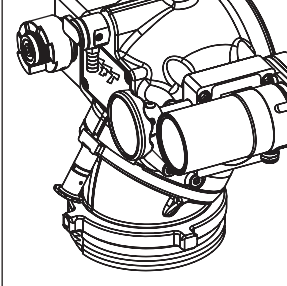

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 216.

For additional air bleed during operation, simply install a bleed valve with 3/4” NPT inlet. A bleed valve can be purchased if desired.

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations. To change a 4” or 5” Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 218 for diagram



If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AXD with AZD or AXE with AZE. AZD or AZE denotes no PRV, deduct \$250 from the appropriate AXD or AXE published list price. Pressure Relief Valve information is located on page 151. Suction Screen information is located on page 216, under LDH service kits.

Crank Side	Side B		Side A		RC
		—		—	RC
<b>AXD)</b> Left <b>AXE)</b> Right	1SP) 4.0" Rigid Storz 1ST) 5.0" Rigid Storz 1SX) 6.0" Rigid Storz	 	NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel NY) 8.0" Threaded Swivel		
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz  7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel  7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle  8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid	       	<b>AX*</b> (Choose Left or Right Side A/Side B suffix from table) Example: A Left 4.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be		

AXD	7	N	P	-	N	X	-	RC
-----	---	---	---	---	---	---	---	----



**Remote Control**

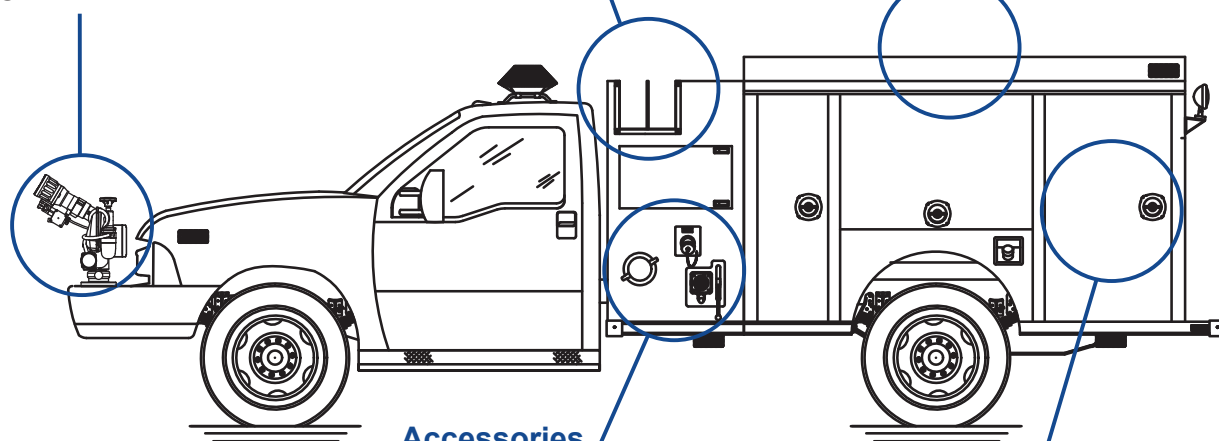
- EF1 Monitor
- Tornado Monitor
- Nozzles
- CAFS Nozzles

**Handheld Nozzles**

- Fixed
- Selectable
- Automatic

**Hard Suction Accessories**

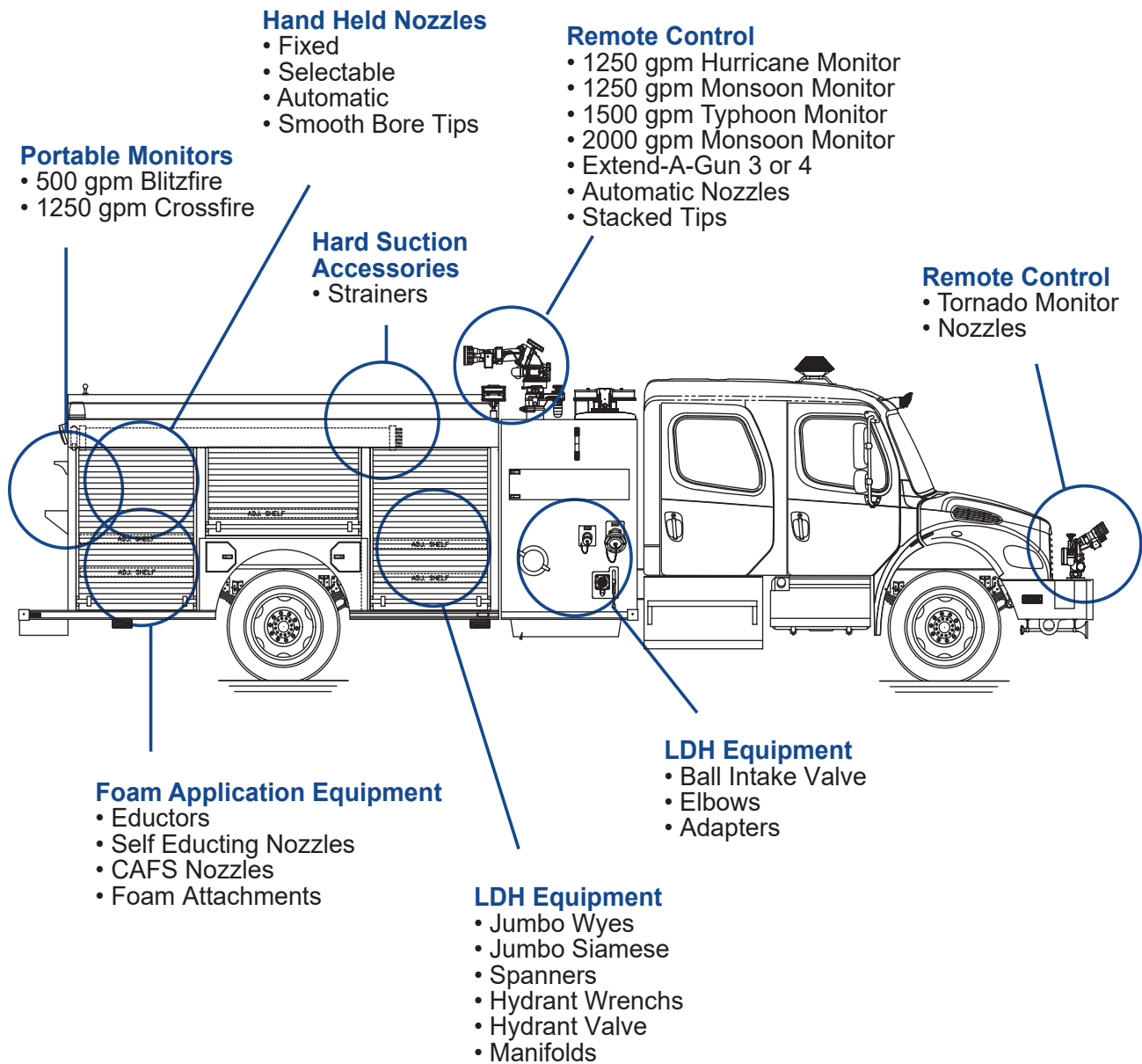
- Strainers

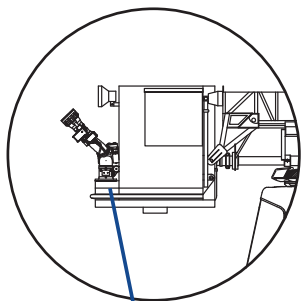
**Accessories**

- Adapters
- Elbows
- Wyes & Siamese
- Wrenches & Spanners

**Foam Application Equipment**

- Eductors
- Attachments





### Remote Control

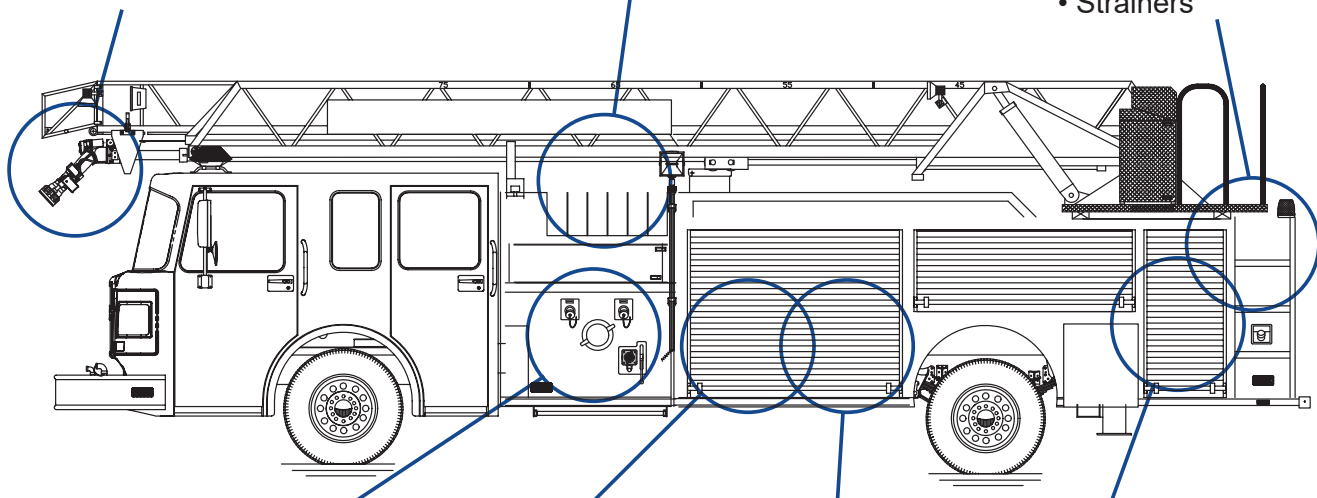
- 1250 gpm Monsoon Monitor
- 1500 gpm Typhoon Monitor
- 2000 gpm Monsoon Monitor
- Valve Under Monitor
- Automatic Nozzles
- Stacked Tips

### Hand Held Nozzles

- Fixed
- Selectable
- Automatic
- Smooth Bore Tips

### Hard Suction

- Strainers



### LDH Equipment

- Ball Intake Valve
- Elbows
- Adapters

### LDH Equipment

- Jumbo Wyes
- Jumbo Siamese
- Spanners
- Hydrant Wrenches
- Hydrant Valve
- Manifolds

### Foam Application Equipment

- Eductors
- Self Educating Nozzles
- CAFS Nozzles
- Foam Attachments

### Portable Monitors

- 1250 gpm Crossfire
- 500 gpm Blitzfire
- Masterstream Nozzles
- Stacked Tips