

FM-200® System Components Customer Price List 2023



Effective October 1, 2022

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Guidelines for Use

This document contains prices for mechanical and integral electrical components of the Janus Fire Systems® FM-200® Fire Extinguishing Systems. All prices shown are customer list prices. Prices do not include freight, state or local taxes. Possession of these price pages does not constitute a valid distributorship. A valid distributorship is defined solely by Janus Fire Systems.

All listed weights are approximate; actual shipping weight may vary. Freight charges will be based on actual shipping weight.

Verbal orders are not accepted. All orders must be in writing and contain a valid purchase order number.

For prices on alarm, detection, agent releasing panels, and associated equipment, refer to the Janus Fire Systems® Alarm and Detection Component Customer Price List.

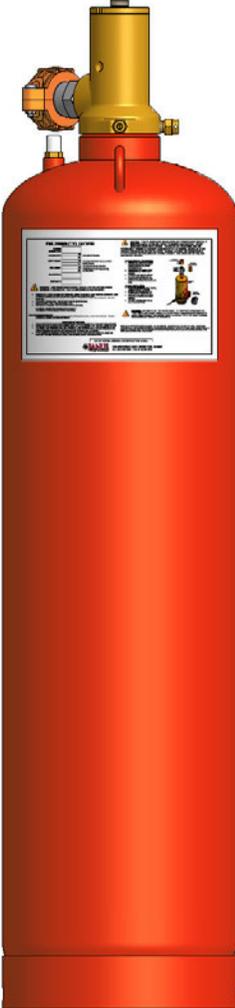
Ordering Information

- All orders placed are subject to approval and acceptance by Janus Fire Systems.
- Janus Fire Systems part numbers must be used when placing orders.
- Prices are subject to change without notice.
- Domestic shipping terms are F.O.B. Origin, Freight Pre-Paid and Add.
- International shipping terms are Ex Works Factory.
- Prices are contingent on ship date.
- Terms subject to Credit Department approval.
- Invoices not paid within 30 days may seriously affect your credit standing with Janus Fire Systems and may delay processing of future orders.
- Refer to page 39 for Terms and Conditions.

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Cylinder and Valve Assemblies (FM-200 Agent only available outside the US)

	P/N	Description	Ship. Wt. lb (kg) ¹	Price
	18583 ²	Cylinder Assembly, FM-200, 40 lb Fill Range - 22 to 43 lbs (10.0 to 19.5 kg) <i>Sv Series – Datasheet DS1004</i>	36.0 (16.3)	\$2,766.00
	18584 ²	Cylinder Assembly, FM-200, 80 lb Fill Range - 41 to 81 lbs (18.6 to 36.7 kg) <i>Sv Series – Datasheet DS1004</i>	65.0 (29.5)	\$2,850.00
	18585 ²	Cylinder Assembly, FM-200, 130 lb Fill Range - 66 to 131 lbs (29.9 to 59.4 kg) <i>Sv Series – Datasheet DS1004</i>	77.0 (35.0)	\$3,360.00
	18525	Cylinder Assembly, FM-200, 250 lb Fill Range - 126 to 252 lbs (57.2 to 114.3 kg) <i>Mv Series – Datasheet DS1003</i>	213 (96.6)	\$6,042.00
	18526	Cylinder Assembly, FM-200, 420 lb Fill Range - 211 to 422 lbs (95.7 to 191.4 kg) <i>Mv Series – Datasheet DS1003</i>	279 (126.6)	\$6,666.00
	18527	Cylinder Assembly, FM-200, 600 lb Fill Range - 304 to 609 lbs (137.9 to 276.2 kg) <i>Lv Series – Datasheet DS1002</i>	346 (157.0)	\$9,080.00
	18528	Cylinder Assembly, FM-200, 900 lb Fill Range - 455 to 910 lbs (206.4 to 412.7 kg) <i>Lv Series – Datasheet DS1002</i>	471 (213.6)	\$9,682.00
	18529	Cylinder Assembly, FM-200, 1000 lb Fill Range - 561 to 1000 lbs (254.5 to 453.6 kg) <i>Lv Series – Datasheet DS1002</i>	766 (347.5)	\$12,802.00

NOTE: FM-200 filled cylinders are no longer be available in the U.S. They will continue to be available internationally until further notice.

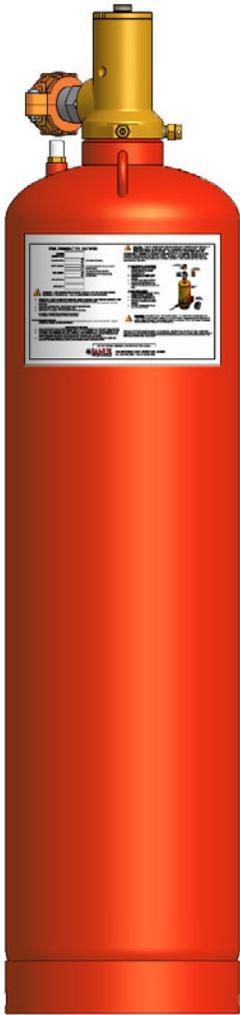
¹ Weight of empty cylinder.

² For explosion-proof or marine trim kit compatible Sv cylinders, add an X after the fill weight as shown in example below.

Ordering Instructions: Specify the Cylinder Assembly P/N followed by a dash and the fill weight in pounds expressed in three digits.

- Examples: 18583-039 = Cylinder Assembly, FM-200, 40 lb, Fill 39 lbs (17.7 kg), Sv Series
- 18525-160 = Cylinder Assembly, FM-200, 250 lb, Fill 160 lbs (72.6 kg), Mv Series
- 18529-100 = Cylinder Assembly, FM-200, 1000 lb, Fill 1000 lbs (453.6 kg), Lv Series
- 18583-039X = Cylinder Assembly, FM-200, 40 lb, Fill 39 lbs (17.7 kg), Sv Series, XP

Cylinder and Valve Assemblies (CE Certified)¹

	P/N	Description	Ship. Wt. lb (kg) ²	Price
	18586 ³	Cylinder Assembly, FM-200, 40 lb, CE Fill Range - 22 to 43 lbs (10.0 to 19.5 kg) <i>Sv Series – Datasheet DS1004</i>	36.0 (16.3)	See Note 4
	18587 ³	Cylinder Assembly, FM-200, 80 lb, CE Fill Range - 41 to 81 lbs (18.6 to 36.7 kg) <i>Sv Series – Datasheet DS1004</i>	65.0 (29.5)	See Note 4
	18588 ³	Cylinder Assembly, FM-200, 130 lb, CE Fill Range - 66 to 131 lbs (29.9 to 59.4 kg) <i>Sv Series – Datasheet DS1004</i>	77.0 (35.0)	See Note 4
	18589	Cylinder Assembly, FM-200, 250 lb, CE Fill Range - 126 to 250 lbs (57.2 to 113.4 kg) <i>Mv Series – Datasheet DS1003</i>	213 (96.6)	See Note 4
	18590	Cylinder Assembly, FM-200, 420 lb, CE Fill Range - 211 to 422 lbs (95.7 to 191.4 kg) <i>Mv Series – Datasheet DS1003</i>	279 (126.6)	See Note 4
	18591	Cylinder Assembly, FM-200, 600 lb, CE Fill Range - 304 to 609 lbs (137.9 to 276.2 kg) <i>Lv Series – Datasheet DS1002</i>	346 (157.0)	See Note 4
	18592	Cylinder Assembly, FM-200, 900 lb, CE Fill Range - 455 to 910 lbs (206.4 to 412.7 kg) <i>Lv Series – Datasheet DS1002</i>	471 (213.6)	See Note 4
	18593	Cylinder Assembly, FM-200, 1000 lb, CE Fill Range - 561 to 1000 lbs (254.5 to 453.6 kg) <i>Lv Series – Datasheet DS1002</i>	766 (347.5)	See Note 4

NOTE: FM-200 filled cylinders are no longer be available in the U.S. They will continue to be available internationally until further notice.

¹ CE Certification is required for the United Kingdom and parts of Europe.

² Weight of empty cylinder.

³ CE Certified Sv cylinders are not compatible with explosion-proof or marine trim kits.

⁴ CE Cylinder Assemblies are currently unavailable. Contact your Sales Representative for any inquiries

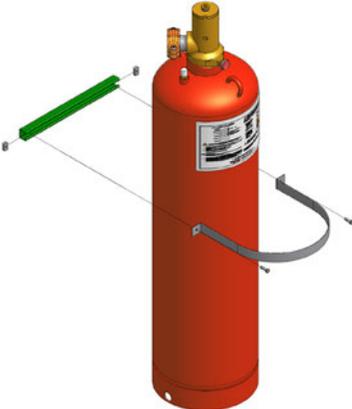
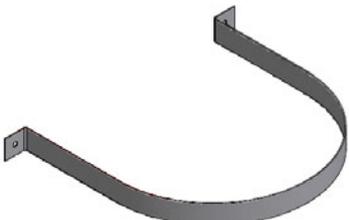
Ordering Instructions: Specify the Cylinder Assembly P/N followed by a dash and the fill weight in pounds expressed in three digits.

Examples: 18586-039 = Cylinder Assembly, FM-200, 40 lb, CE, Fill 39 lbs (17.7 kg), Sv Series

18589-160 = Cylinder Assembly, FM-200, 250 lb, CE, Fill 160 lbs (72.6 kg), Mv Series

18593-100 = Cylinder Assembly, FM-200, 1000 lb, CE, Fill 1000 lbs (453.6 kg), Lv Series

Cylinder Brackets, Standard Industrial¹

	P/N	Description	Ship. Wt. lb (kg)	Price
	18595	Bracket Assembly, Cylinder, 10" [includes (2) 3/8" twirl nuts, (2) 3/8"-16 1-1/4" cap screws, (1) strap, & (1) back channel] <i>Sv Series, 40, 80, & 130 lb</i>	5.0 (2.3)	\$152.00
	18535	Bracket Assembly, Cylinder, 16" [includes (2) 3/8" twirl nuts, (2) 3/8"-16 1-1/4" cap screws, (1) strap, & (1) back channel] <i>Mv Series, 250 & 420 lb</i>	5.0 (2.3)	\$188.00
	18536	Bracket Assembly, Cylinder, 24" [includes (2) 3/8" twirl nuts, (2) 3/8"-16 1-1/4" cap screws, (1) strap, & (1) back channel] <i>Lv Series, 600 & 900 lb</i>	6.0 (2.7)	\$224.00
	18537	Bracket Assembly, Cylinder, 30" [includes (2) 3/8" twirl nuts, (2) 3/8"-16 1-1/4" cap screws, (1) strap, & (1) back channel] <i>Lv Series, 1000 lb only</i>	6.0 (2.7)	\$272.00
	18596	Strap, Cylinder, 10" <i>Sv Series, 40, 80, & 130 lb</i>	1.5 (0.7)	\$80.00
	18597	Strap, Cylinder, 16" <i>Mv Series, 250 & 420 lb</i>	2.3 (1.0)	\$114.00
	18598	Strap, Cylinder, 24" <i>Lv Series, 600 & 900 lb</i>	3.3 (1.5)	\$144.00
	18599	Strap, Cylinder, 30" <i>Lv Series, 1000 lb only</i>	4.0 (1.8)	\$162.00

¹ These brackets are not approved for Marine use. Refer to section "Cylinder Brackets, For Marine Application"

Miscellaneous Cylinder Items

P/N	Description	Ship. Wt. lb (kg)	Price
98002	Pen, Paint Touch-Up, Fire Red, 0.3 oz <i>For Field Cylinder Paint Touch-up</i>	0.2 (0.1)	\$38.00
18490	Label, Cylinder Assembly, FM-200, Spare	0.1 (0.05)	\$22.00

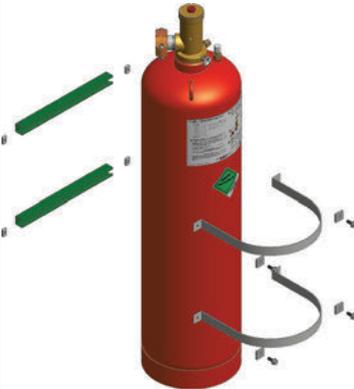
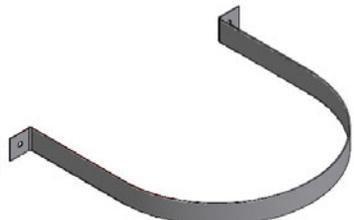
Nitrogen Driver Cylinder Assemblies, For Marine Application

	P/N	Description	Ship. Wt. lb (kg)	Price
	26093	Cylinder Assembly, Nitrogen Driver, 39.1 Liter	106.0 (48.1)	\$2,606.00
	26094	Cylinder Assembly, Nitrogen Driver, 50.0 Liter	170.0 (77.1)	\$2,632.00
	26095	Cylinder Assembly, Nitrogen Driver, 66.7 Liter	220.0 (99.8)	\$2,826.00

Remote Nitrogen Actuation Cylinder Assemblies, For Marine Application

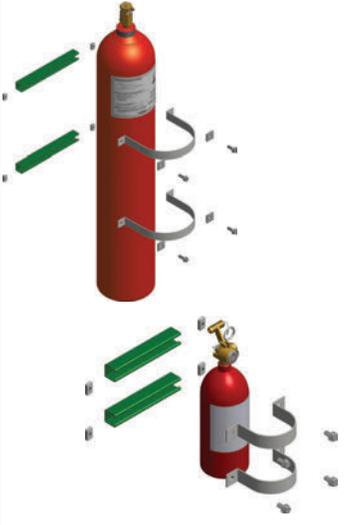
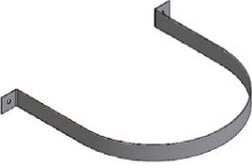
	P/N	Description	Ship. Wt. lb (kg)	Price
	26101	Cylinder Assembly, Remote Nitrogen Actuation	15.0 (6.8)	\$1,114.00
	97985	Marine Application Enclosure, w/ Remote Nitrogen Actuation Cylinder Assembly, One Cylinder <i>Includes Cylinder Bracket and Cylinder Connection; Cylinder Ordered Separately</i>	45.0 (20.4)	\$2,670.00
	97984	Marine Application Enclosure, w/ Remote Nitrogen Actuation Cylinder Assembly, Two Cylinder <i>Includes Cylinder Bracket and Cylinder Connection; Cylinders Ordered Separately</i>	60.0 (27.2)	\$3,548.00
	97987	Cylinder Connection, CGA 580 x 1/4 inch MNPT	0.9 (0.4)	\$50.00

Cylinder Brackets, For Marine Application

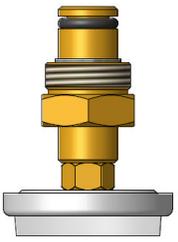
	P/N	Description	Ship. Wt. lb (kg)	Price
	97773	Bracket Assembly, Cylinder, 10", For Marine Application [includes (4) 1/2" twirl nuts, (4) 1/2"-13 1-1/2" cap screws, (4) 1/2" square washers, (2) strap, & (2) back channel] <i>Sv Series, 40, 80, & 130 lb</i>	12.0 (5.4)	\$290.00
	97772	Bracket Assembly, Cylinder, 16", For Marine Application [includes (4) 1/2" twirl nuts, (4) 1/2"-13 1-1/2" cap screws, (4) 1/2" square washers, (2) strap, & (2) back channel] <i>Mv Series, 250 & 420 lb</i>	12.0 (5.4)	\$358.00
	97771	Bracket Assembly, Cylinder, 24", For Marine Application [includes (4) 1/2" twirl nuts, (4) 1/2"-13 1-1/2" cap screws, (4) 1/2" square washers, (2) strap, & (2) back channel] <i>Lv Series, 600 & 900 lb</i>	14.0 (6.4)	\$430.00
	97770	Bracket Assembly, Cylinder, 30", For Marine Application [includes (4) 1/2" twirl nuts, (4) 1/2"-13 1-1/2" cap screws, (4) 1/2" square washers, (2) strap, & (2) back channel] <i>Lv Series, 1000 lb only</i>	16.0 (7.3)	\$526.00
	97781 ¹	Strap, Cylinder, 10", For Marine Application <i>Sv Series, 40, 80, & 130 lb</i>	1.5 (0.7)	\$80.00
	97780 ¹	Strap, Cylinder, 16", For Marine Application <i>Mv Series, 250 & 420 lb</i>	2.3 (1.0)	\$114.00
	97779 ¹	Strap, Cylinder, 24", For Marine Application <i>Lv Series, 600 & 900 lb</i>	3.3 (1.5)	\$144.00
	97778 ¹	Strap, Cylinder, 30", For Marine Application <i>Lv Series, 1000 lb only</i>	4.0 (1.8)	\$162.00

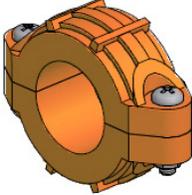
¹ Part number, weights, and prices shown for single strap. Two straps are required for Marine use.

Cylinder Brackets, For Marine Nitrogen Cylinders

	P/N	Description	Ship. Wt. lb (kg)	Price
	97768	Bracket, Nitrogen Driver Cylinder, 39.1 Liter	10.0 (4.5)	\$246.00
	97767	Bracket, Nitrogen Driver Cylinder, 50 Liter	10.0 (4.5)	\$256.00
	97766	Bracket, Nitrogen Driver Cylinder, 66.7 Liter	10.0 (4.5)	\$288.00
	97769	Bracket, Remote Nitrogen Actuation Cylinder, 3.61 Liter	10.0 (4.5)	\$204.00
	97776 ¹	Strap, Nitrogen Driver Cylinder, 39.1 Liter	1.5 (0.7)	\$66.00
	97775 ¹	Strap, Nitrogen Driver Cylinder, 50 Liter	1.5 (0.7)	\$70.00
	97774 ¹	Strap, Nitrogen Driver Cylinder, 66.7 Liter	1.5 (0.7)	\$80.00
	97777 ¹	Strap, Remote Nitrogen Actuation Cylinder, 3.61 Liter	1.5 (0.7)	\$56.00

¹ Part number, weights, and prices shown for single strap. Two straps are required for Marine use.

Trim Components				
	P/N	Description	Ship. Wt. lb (kg)	Price
	18775	Switch Assembly, Low-Pressure Supervisory <i>Mv & Lv Series</i>	0.5 (0.2)	\$150.00
	98056	Plug, Hex, For Clean Agent Valve Gauge and Pressure Port, Brass <i>Recommended for Mv and Lv Series when not ordering Low-Pressure Supervisory Switch</i>	0.3 (0.1)	\$58.00
	99408	Conduit Adapter, 1/2" (15 mm), Low-Pressure Supervisory Switch <i>Sv, Mv, & Lv Series</i>	0.5 (0.2)	\$26.00
	18772	Gauge Assembly, Pressure, FM-200 <i>Mv & Lv Series</i>	0.4 (0.2)	\$112.00
	18481	Electric Valve Actuator	2.0 (0.9)	OBSOLETE ORDER P/N 20722
	20722	Electric Valve Actuator, w/ Supervision (NC Contacts, Held Open)	2.0 (0.9)	\$670.00
	17001	Manual Valve Actuator	0.6 (0.3)	\$98.00

Discharge Fittings				
	P/N	Description	Ship. Wt. lb (kg)	Price
	18555	Coupling, Grooved, 2" (50 mm) <i>Mv Series</i> <i>(one coupling shipped with Mv Cylinder Assembly as part of Anti-Recoil Safety Device)</i>	2.8 (1.3)	\$148.00
	18554	Coupling, Grooved, 3" (80 mm) <i>Lv Series</i> <i>(one coupling shipped with Lv Cylinder Assembly as part of Anti-Recoil Safety Device)</i>	4.7 (2.1)	\$192.00
	18551	Elbow, Grooved, 2" (50 mm) <i>Mv Series</i>	2.0 (0.9)	\$102.00
	18550	Elbow, Grooved, 3" (80 mm) <i>Lv Series</i>	3.9 (1.8)	\$172.00
	18474	Nipple, 2" (50 mm) Grooved x MNPT <i>Mv Series</i>	1.4 (0.6)	\$62.00

Explosion-Proof Trim Kits (for Mv, Lv, and XP Kit Compatible Sv Series Cylinders)

	P/N	Description	Ship. Wt. lb (kg)	Price
	98301	Explosion-Proof Actuation Kit, Clean Agent, 24 VDC, w Explosion-Proof Low-Pressure Supervisory Switch, 360 psi <i>Kit includes 24 VDC Solenoid with 360 psi Low-Pressure Supervisory Switch Assembly (P/N 98664), JIC Adapter Fitting (P/N 18625), Actuation Flex Hose (P/N 18649), Manual/Pneumatic Valve Actuator (P/N 98533), Manual Valve Actuator (P/N 19589), Actuator Hex Plug (P/N 98287), and Vent Check (P/N 10173)</i>	8.2 (3.7)	\$2,538.00
	98300	Explosion-Proof Actuation Kit, Clean Agent, 120 VAC, w Explosion-Proof Low-Pressure Supervisory Switch, 360 psi <i>Kit includes 120 VAC Solenoid with 360 psi Low-Pressure Supervisory Switch Assembly (P/N 98663), JIC Adapter Fitting (P/N 18625), Actuation Flex Hose (P/N 18649), Manual/Pneumatic Valve Actuator (P/N 98533), Manual Valve Actuator (P/N 19589), Actuator Hex Plug (P/N 98287), and Vent Check (P/N 10173)</i>	8.2 (3.7)	\$2,538.00
	98299	Explosion-Proof Actuation Kit, Clean Agent, 220/240 VAC, w Explosion-Proof Low-Pressure Supervisory Switch, 360 psi <i>Kit includes 220/240 VAC Solenoid with 360 psi Low-Pressure Supervisory Switch Assembly (P/N 98662), JIC Adapter Fitting (P/N 18625), Actuation Flex Hose (P/N 18649), Manual/Pneumatic Valve Actuator (P/N 98533), Manual Valve Actuator (P/N 19589), Actuator Hex Plug (P/N 98287), and Vent Check (P/N 10173)</i>	8.2 (3.7)	\$2,538.00

All Explosion-Proof Solenoids:
 NEMA 4, 4x, 7 and 9;
 Class I, Div I, Group A,B,C,D;
 Class II, Div I, Group E,F,G

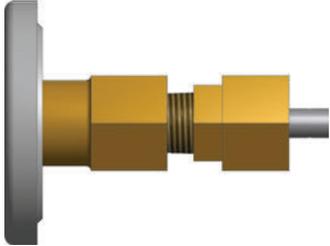
Explosion-Proof Low-Pressure Supervisory Switch:
 NEMA 4x, 7 and 9 and IP67;
 Class I, Div I, Group A,B,C,D;
 Class II, Div I, Group E,F,G; Class III

Explosion-Proof Trim Kits (Continued)

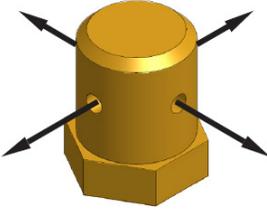
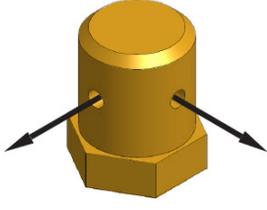
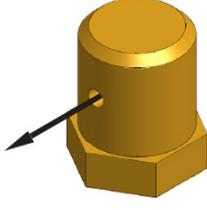
	P/N	Description	Ship. Wt. lb (kg)	Price
	98298	Explosion-Proof Actuation Kit, Clean Agent, 24 VDC, w/o Low-Pressure Supervisory Switch <i>Kit includes 24 VDC Solenoid Assembly (P/N 98305), JIC Adapter Fitting (P/N 18625), Actuation Flex Hose (P/N 18649), Manual/Pneumatic Valve Actuator (P/N 98533), Manual Valve Actuator (P/N 19589), Actuator Hex Plug (P/N 98287), and Vent Check (P/N 10173)</i>	6.8 (3.1)	\$1,500.00
	98297	Explosion-Proof Actuation Kit, Clean Agent, 120 VAC, w/o Low-Pressure Supervisory Switch <i>Kit includes 120 VAC Solenoid Assembly (P/N 98304), JIC Adapter Fitting (P/N 18625), Actuation Flex Hose (P/N 18649), Manual/Pneumatic Valve Actuator (P/N 98533), Manual Valve Actuator (P/N 19589), Actuator Hex Plug (P/N 98287), and Vent Check (P/N 10173)</i>	6.8 (3.1)	\$1,500.00
	98296	Explosion-Proof Actuation Kit, Clean Agent, 220/240 VAC, w/o Low-Pressure Supervisory Switch <i>Kit includes 220/240 VAC Solenoid Assembly (P/N 98303), JIC Adapter Fitting (P/N 18625), Actuation Flex Hose (P/N 18649), Manual/Pneumatic Valve Actuator (P/N 98533), Manual Valve Actuator (P/N 19589), Actuator Hex Plug (P/N 98287), and Vent Check (P/N 10173)</i>	6.8 (3.1)	\$1,500.00
	98660	Switch Assembly, Low-Pressure Supervisory, 360 psi, Explosion Proof <i>For Secondary Cylinder - 360 psi</i>	1.7 (0.8)	\$1,206.00

All Explosion-Proof Solenoids:
 NEMA 4, 4x, 7 and 9;
 Class I, Div I, Group A,B,C,D;
 Class II, Div I, Group E,F,G

Explosion-Proof Low-Pressure Supervisory Switch:
 NEMA 4x, 7 and 9 and IP67;
 Class I, Div I, Group A,B,C,D;
 Class II, Div I, Group E,F,G; Class III

Marine Trim Components				
	P/N	Description	Ship. Wt. lb (kg)	Price
	98533	Manual-Pneumatic Valve Actuator	1.7 (0.8)	\$530.00
	19589	Manual Valve Actuator, Marine Style	0.2 (0.1)	\$226.00
	19588	Adapter, Manual Actuation Port, 1/8 Inch MNPT x 1/4 Inch male JIC, HPCO2	0.2 (0.1)	\$28.00
	99707	Hose, Flex, Discharge, w/ Discharge Adapter, for Nitrogen Driver Cylinder	3.4 (1.5)	\$218.00
	26096	Gauge Assembly, Pressure, Nitrogen Driver, 1800 psig	0.2 (0.1)	\$196.00
	26098	Gauge/Switch Assembly, Pressure, Nitrogen Driver, 1800 psig	0.2 (0.1)	\$462.00

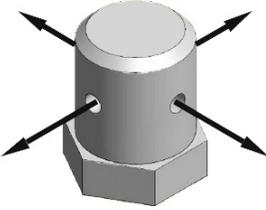
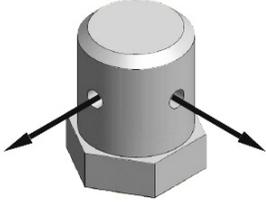
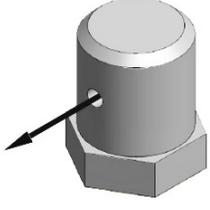
Discharge Nozzles (Brass)

	P/N	Description	Ship. Wt. lb (kg)	Price
	18507	Nozzle: 360°, 3/8" (10 mm), Brass	0.5 (0.2)	\$184.00
	18508	Nozzle: 360°, 1/2" (15 mm), Brass	0.6 (0.3)	\$158.00
	18509	Nozzle: 360°, 3/4" (20 mm), Brass	0.8 (0.4)	\$162.00
	18510	Nozzle: 360°, 1" (25 mm), Brass	1.2 (0.5)	\$174.00
	18511	Nozzle: 360°, 1-1/4" (32 mm), Brass	1.6 (0.7)	\$260.00
	18512	Nozzle: 360°, 1-1/2" (40 mm), Brass	1.7 (0.8)	\$260.00
	18513	Nozzle: 360°, 2" (50 mm), Brass	3.6 (1.6)	\$416.00
	18500	Nozzle: 180°, 3/8" (10 mm), Brass	0.5 (0.2)	\$184.00
	18501	Nozzle: 180°, 1/2" (15 mm), Brass	0.6 (0.3)	\$158.00
	18502	Nozzle: 180°, 3/4" (20 mm), Brass	0.8 (0.4)	\$162.00
	18503	Nozzle: 180°, 1" (25 mm), Brass	1.2 (0.5)	\$174.00
	18504	Nozzle: 180°, 1-1/4" (32 mm), Brass	1.6 (0.7)	\$260.00
	18505	Nozzle: 180°, 1-1/2" (40 mm), Brass	1.7 (0.8)	\$260.00
	18506	Nozzle: 180°, 2" (50 mm), Brass	3.6 (1.6)	\$416.00
	18493	Nozzle: 90°, 3/8" (10 mm), Brass	0.5 (0.2)	\$184.00
	18494	Nozzle: 90°, 1/2" (15 mm), Brass	0.6 (0.3)	\$158.00
	18495	Nozzle: 90°, 3/4" (20 mm), Brass	0.8 (0.4)	\$162.00
	18496	Nozzle: 90°, 1" (25 mm), Brass	1.2 (0.5)	\$174.00
	18497	Nozzle: 90°, 1-1/4" (32 mm), Brass	1.6 (0.7)	\$260.00
	18498	Nozzle: 90°, 1-1/2" (40 mm), Brass	1.7 (0.8)	\$260.00
	18499	Nozzle: 90°, 2" (50 mm), Brass	3.6 (1.6)	\$416.00

Ordering Instructions: Specify the Nozzle P/N followed by a dash and the three digits representative of the drill code as provided by the Janus Design Suite software.

Example: 18507-XXX = Nozzle: 360°, 3/8" (10 mm), Brass (with drill code as specified)

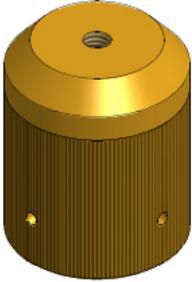
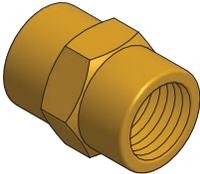
Discharge Nozzles (Stainless Steel)

	P/N	Description	Ship. Wt. lb (kg)	Price
	18796	Nozzle: 360°, 3/8" (10 mm), SST	0.5 (0.2)	\$242.00
	18797	Nozzle: 360°, 1/2" (15 mm), SST	0.6 (0.3)	\$242.00
	18798	Nozzle: 360°, 3/4" (20 mm), SST	0.8 (0.4)	\$252.00
	18799	Nozzle: 360°, 1" (25 mm), SST	1.2 (0.5)	\$260.00
	18800	Nozzle: 360°, 1-1/4" (32 mm), SST	1.6 (0.7)	\$384.00
	18801	Nozzle: 360°, 1-1/2" (40 mm), SST	1.7 (0.8)	\$416.00
	18802	Nozzle: 360°, 2" (50 mm), SST	3.6 (1.6)	\$686.00
	18789	Nozzle: 180°, 3/8" (10 mm), SST	0.5 (0.2)	\$242.00
	18790	Nozzle: 180°, 1/2" (15 mm), SST	0.6 (0.3)	\$242.00
	18791	Nozzle: 180°, 3/4" (20 mm), SST	0.8 (0.4)	\$252.00
	18792	Nozzle: 180°, 1" (25 mm), SST	1.2 (0.5)	\$260.00
	18793	Nozzle: 180°, 1-1/4" (32 mm), SST	1.6 (0.7)	\$384.00
	18794	Nozzle: 180°, 1-1/2" (40 mm), SST	1.7 (0.8)	\$416.00
	18795	Nozzle: 180°, 2" (50 mm), SST	3.6 (1.6)	\$686.00
	18782	Nozzle: 90°, 3/8" (10 mm), SST	0.5 (0.2)	\$242.00
	18783	Nozzle: 90°, 1/2" (15 mm), SST	0.6 (0.3)	\$242.00
	18784	Nozzle: 90°, 3/4" (20 mm), SST	0.8 (0.4)	\$252.00
	18785	Nozzle: 90°, 1" (25 mm), SST	1.2 (0.5)	\$260.00
	18786	Nozzle: 90°, 1-1/4" (32 mm), SST	1.6 (0.7)	\$384.00
	18787	Nozzle: 90°, 1-1/2" (40 mm), SST	1.7 (0.8)	\$416.00
	18788	Nozzle: 90°, 2" (50 mm), SST	3.6 (1.6)	\$686.00

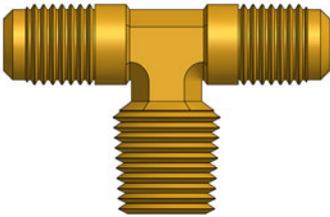
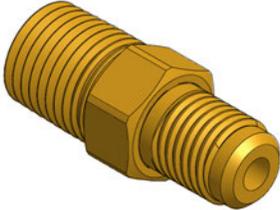
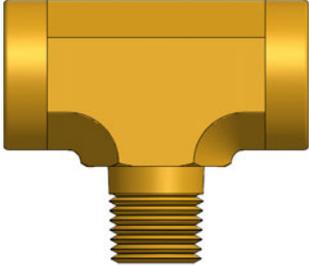
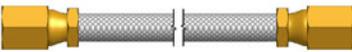
Ordering Instructions: Specify the Nozzle P/N followed by a dash and the three digits representative of the drill code as provided by the Janus Design Suite software.

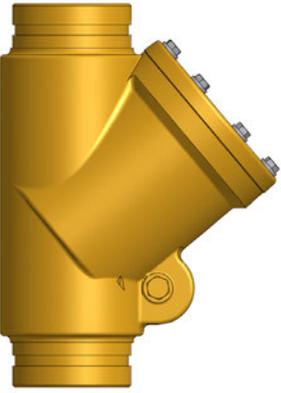
Example: 18796-XXX = Nozzle: 360°, 3/8" (10 mm), SST (with drill code as specified)

Multi-Cylinder Arrangement Components

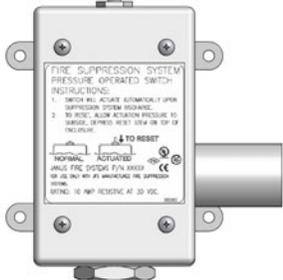
	P/N	Description	Ship. Wt. lb (kg)	Price
	17019	Pneumatic Valve Actuator	1.2 (0.5)	\$146.00
	10262	Valve, Check, 1/4" FNPT x 1/4" MNPT (8 mm x 8 mm), Brass <i>NPT Style Pilot Actuation Check Valve</i>	0.3 (0.1)	\$72.00
	18713	Adapter, 3/8" MNPT x 1/4" MNPT (10 mm x 8 mm), Hex Nipple, Brass <i>Sv Series, Valve to NPT Style Pilot Actuation Check Valve P/N 10262</i>	0.2 (0.1)	\$34.00
	19192	Adapter, 1/4" MNPT x 1/4" MNPT (8 mm x 8 mm), Hex Nipple, Brass <i>Mv and Lv Series, Valve to Pilot Actuation Check Valve P/N 10262</i>	0.2 (0.1)	\$32.00
	99686	Coupling, Hex, 1/4" FNPT x 1/4" FNPT (8 mm x 8 mm), Brass	0.2 (0.1)	\$30.00
	18560	Valve, Check, 1/4" MNPT x 1/4" JIC Male (8 mm x 8 mm), Brass <i>Pilot Actuation Check Valve — Sv, Mv, & Lv Series</i>	0.3 (0.1)	\$122.00
	18624	Bushing, 3/8" MNPT x 1/4" FNPT (10 mm x 8 mm), Brass <i>Sv Series, Valve to Pilot Actuation Check Valve P/N 18650</i>	0.2 (0.1)	\$48.00

Multi-Cylinder Arrangement Components (Continued)

	P/N	Description	Ship. Wt. lb (kg)	Price
	10173	Vent Check <i>Connects to Pilot Actuation End Line Tee P/N 18611</i>	0.2 (0.1)	\$28.00
	18622	Tee, 1/4" JIC Male x 1/4" MNPT (8 mm x 8 mm), Brass <i>Pilot Actuation Mid Line Tee</i>	0.2 (0.1)	\$94.00
	18625	Adapter, 1/4" MNPT x 1/4" JIC Male (8 mm x 8 mm), Brass <i>Connects to Pilot Actuation End Line Tee P/N 18611</i>	0.2 (0.1)	\$28.00
	99353	Elbow, 1/4" MNPT x 1/4" 45° Flared, Brass	0.2 (0.1)	\$28.00
	18611	Tee, 1/4" FNPT x 1/4" MNPT (8 mm x 8 mm), Brass <i>Pilot Actuation End Line Tee</i>	0.3 (0.1)	\$56.00
	18648	Hose, Flex, 3/16", 1/4" JIC Female (8 mm) - 16" (406 mm) <i>40, 80, and 130 lb Cylinders</i>	0.6 (0.3)	\$88.00
	18649	Hose, Flex, 3/16", 1/4" JIC Female (8 mm) - 24" (610 mm) <i>250 and 420 lb Cylinders</i>	0.6 (0.3)	\$102.00
	18650	Hose, Flex, 3/16", 1/4" JIC Female (8 mm) - 34" (864 mm) <i>600 and 900 lb Cylinders</i>	0.6 (0.3)	\$124.00
	18651	Hose, Flex, 3/16", 1/4" JIC Female (8 mm) - 40" (1016 mm) <i>1000 lb Cylinders</i>	0.6 (0.3)	\$132.00
	18777	Adapter, 1/4 Inch JICM x 1/4 Inch JICM (8 mm x 8 mm), Brass <i>Flex Hose to Flex Hose Adapter</i>	0.5 (0.2)	\$32.00

Manifold Check Valves				
	P/N	Description	Ship. Wt. lb (kg)	Price
	18547	Valve, Check, 1-1/4" FNPT (32 mm) <i>Sv Series</i>	6.0 (2.7)	\$520.00
	18546	Valve, Check, 2" FNPT (50 mm) <i>Mv Series</i>	9.9 (4.5)	\$802.00
	18538	Valve, Check, 3" Grooved (80 mm) <i>Lv Series</i>	25.0 (11.3)	\$1,684.00

Warning Signs				
	P/N	Description	Ship. Wt. lb (kg)	Price
	18489	Sign, Warning, Exit, "Leave Area...", Clean Agent, English <i>Dimensions: 6" x 6" (152 mm x 152 mm)</i>	0.2 (0.1)	\$48.00
	99792	Sign, Warning, Exit, Clean Agent, Spanish <i>Dimensions: 6" x 6" (152 mm x 152 mm)</i>	0.2 (0.1)	\$52.00
	98947	Sign, Warning, Exit, "Leave Area...", Clean Agent, English/Arabic <i>Dimensions: 12" x 12" (305 mm x 305 mm)</i>	0.2 (0.1)	\$94.00
	18770	Sign, Warning, Entrance, "Do Not Enter...", Clean Agent, English <i>Dimensions: 6" x 6" (152 mm x 152 mm)</i>	0.2 (0.1)	\$48.00
	99791	Sign, Warning, Entrance, Clean Agent, Spanish <i>Dimensions: 6" x 6" (152 mm x 152 mm)</i>	0.2 (0.1)	\$52.00
	98946	Sign, Warning, Entrance, "Do Not Enter...", Clean Agent, English/Arabic <i>Dimensions: 12" x 12" (305 mm x 305 mm)</i>	0.2 (0.1)	\$94.00

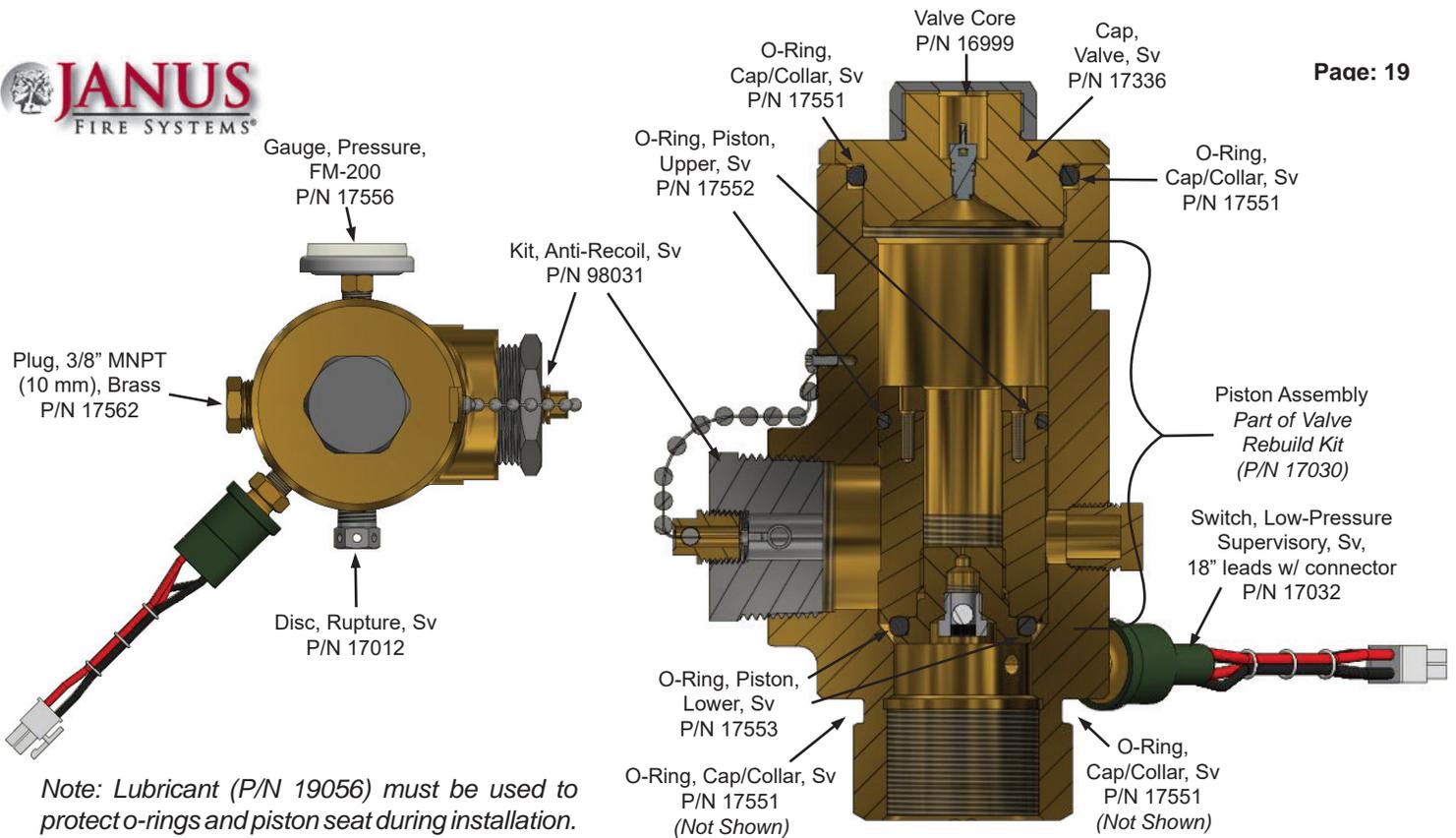
Discharge Pressure Switch				
	P/N	Description	Ship. Wt. lb (kg)	Price
	97428	Switch, Discharge, Pressure, Watertight, NEMA 3/4X/13, SPDT, 50 psig Rise, 1/4 Inch FNPT, Manual Reset <i>Indoor/Outdoor Use</i>	1.6 (0.7)	\$450.00
	18773	Switch, Discharge Pressure, w/ 1/2" (15 mm) Conduit Connection, SPDT <i>Indoor Use</i>	1.4 (0.6)	\$646.00
	97429	Switch, Discharge, Pressure, Explosion-Proof, NEMA 7/9, DPDT, 50 psig Rise, 1/4 Inch FNPT, Manual Reset <i>Class I, Groups C, & D</i> <i>Class II, Groups E, F & G</i>	5.0 (2.3)	\$2,840.00
	97430	Switch, Discharge, Pressure, Explosion-Proof, NEMA 4X/7/9, DPDT, 50 psig Rise, 72 Inch Leads, 1/4 Inch MNPT, Self Restoring <i>Class I, Div 1, Groups A, B, C, & D</i> <i>Class II, Div 1, Groups E, F & G</i>	1.0 (0.5)	\$758.00
	98580	Switch, Discharge, Pressure, Watertight, NEMA 4, SPDT, 50 psig Rise, 20 Inch Leads, 1/4 Inch MNPT, Self Restoring <i>Indoor/Outdoor Use</i>	0.5 (0.2)	\$436.00

Marine Cable Pull Components

	P/N	Description	Ship. Wt. lb (kg)	Price
	97722	Remote Manual Pull Station, Watertight	2.5 (1.1)	\$570.00
	97765	Corner Pulley, Cable Pull, Brass, 3/8 in FNPT	0.5 (0.2)	\$158.00
	97758	Cable Operator, Dual-Pull, 3/8 in FNPT	4.0 (1.8)	\$442.00
	12553	Cable, Remote Actuation, 1/16 in (1.59 mm) (Spool of 500 ft)	5.0 (2.7)	\$268.00
	97751	Cable Exit Guide, w/ Bracket and Clamp, 3/8 in FNPT	1.0 (0.5)	\$168.00
	97711	Cable Pull Stop Valve	0.6 (0.3)	\$384.00

Marine Pneumatic Actuation Components

	P/N	Description	Ship. Wt. lb (kg)	Price
	99766	Pneumatic Stop Valve	1.0 (0.5)	\$316.00
	19173	Manual Stop Valve Bypass	0.6 (0.3)	\$78.00

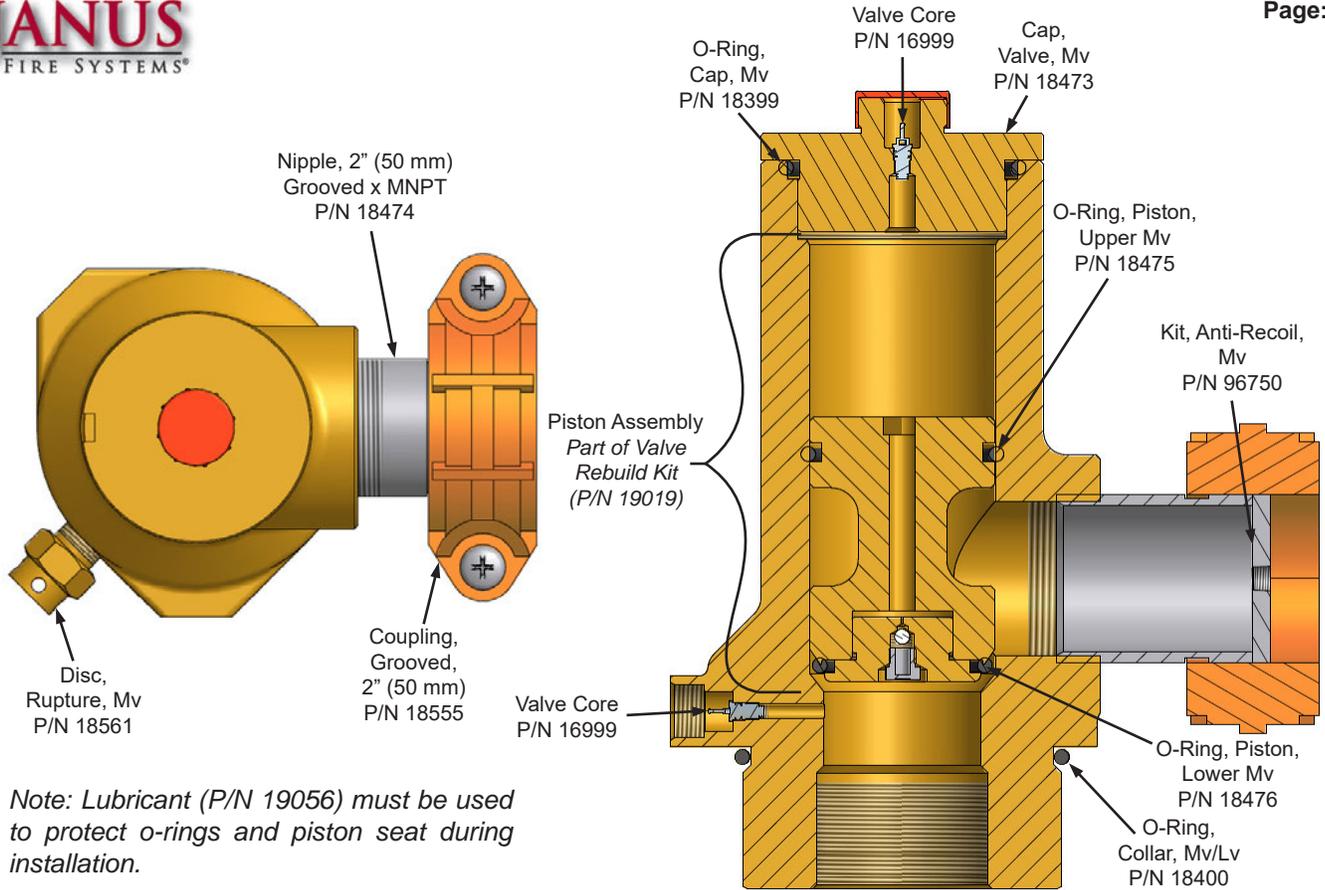


Note: Lubricant (P/N 19056) must be used to protect o-rings and piston seat during installation.

Sv Series Valve Replacement Components

P/N	Description	Ship. Wt. lb (kg)	Price
17011 ¹	Valve Assembly, 1-1/4", Sv	12.5 (5.7)	\$1,134.00
18854	Valve Assembly, 1-1/4", Sv, CE	12.5 (5.7)	\$1,186.00
17551	O-Ring, Cap/Cylinder, Sv — <i>Part of Valve Rebuild Kit (P/N 17030)</i>	0.1 (0.05)	\$28.00
17552	O-Ring, Piston, Upper, Sv — <i>Part of Piston Assembly in Valve Rebuild Kit (P/N 17030)</i>	0.1 (0.05)	\$26.00
17553	O-Ring, Piston, Lower, Sv — <i>Part of Piston Assembly in Valve Rebuild Kit (P/N 17030)</i>	0.1 (0.05)	\$32.00
16999	Valve Core — <i>Part of Valve Rebuild Kit (P/N 17030)</i>	0.2 (0.1)	\$28.00
17336	Cap, Valve, Sv	1.6 (0.7)	\$154.00
17012	Disc, Rupture, Sv	0.3 (0.1)	\$166.00
98031	Kit, Anti-Recoil, Sv	1.5 (0.7)	\$196.00
17032	Switch, Low-Pressure Supervisory, Sv, 18" leads w/ connector	0.4 (0.2)	\$68.00
17556	Gauge, Pressure, FM-200	0.2 (0.1)	\$48.00
17562	Plug, 3/8" MNPT (10 mm), Brass — <i>For Pilot Actuation Port</i>	0.2 (0.1)	\$52.00
19056	Lubricant, Valve, Sv/Mv/Lv — <i>5.29 oz Tube</i>	0.3 (0.1)	\$128.00
19057	Tool, Valve Core Removal	0.1 (0.05)	\$68.00
19058	Wrench, Spanner, Cylinder Cap, Sv/Mv	1.3 (0.6)	\$240.00
99527	Pliers, Retaining, Fixed-Tip, Piston, Sv	1.3 (0.6)	\$154.00
97609	Key, Piston, Valve, Sv (used in conjunction with P/N 99527)	0.2 (0.1)	\$420.00
97642	Tool, Piston Removal, Sv/Mv/Lv	0.2 (0.1)	\$36.00
17030	Kit, Valve Rebuild, Sv — <i>Piston Assembly, Valve Core, & Cap/Cyl. O-Rings (qty. 2)</i>	1.7 (0.8)	\$238.00

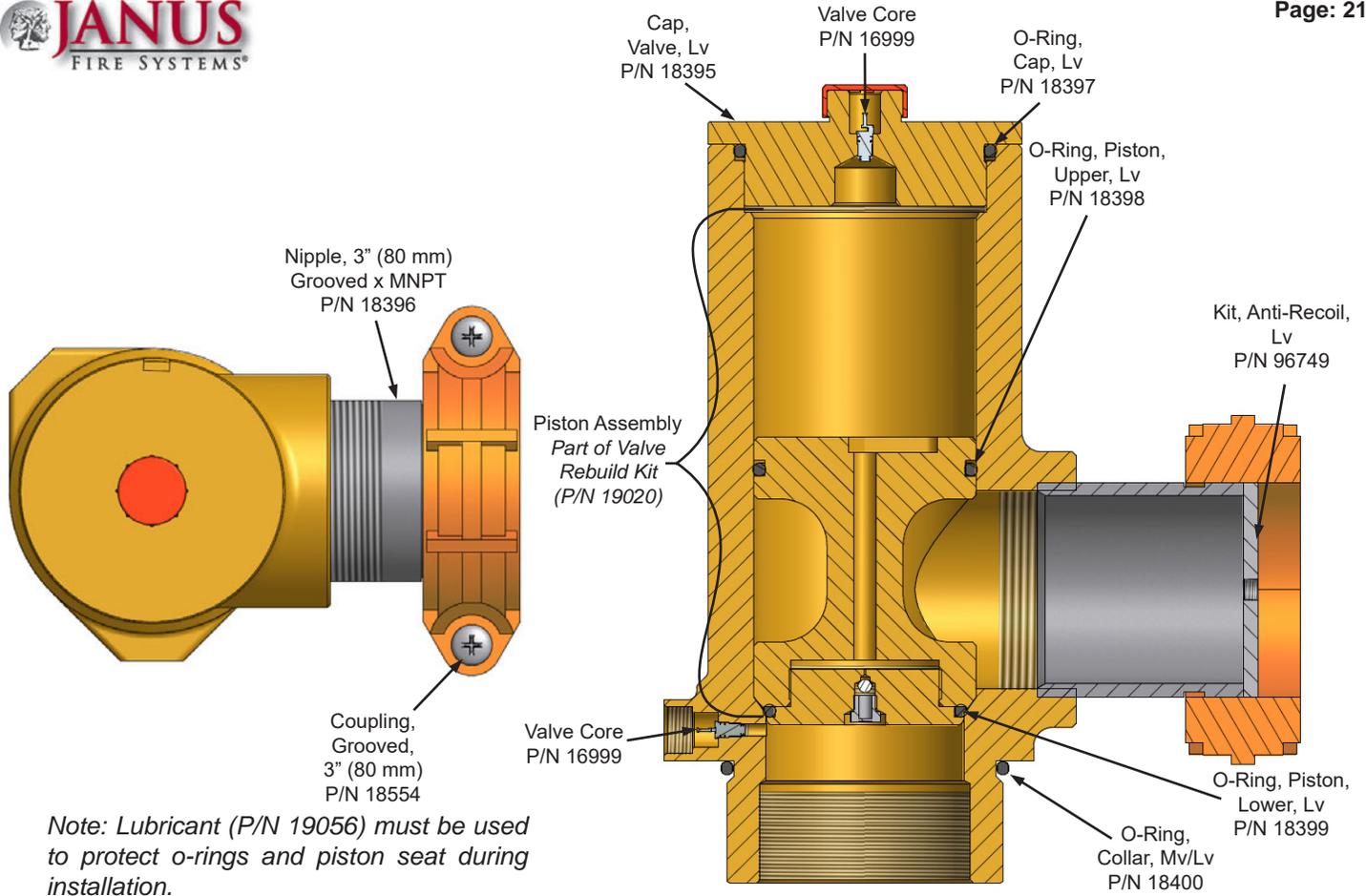
¹ For Replacement Explosion-Proof Trim Kit Compatible Sv Valve Assembly, see Explosion-Proof Kit Replacement Components



Note: Lubricant (P/N 19056) must be used to protect o-rings and piston seat during installation.

Mv Series Valve Replacement Components

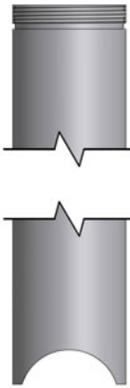
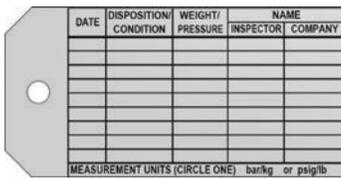
P/N	Description	Ship. Wt. lb (kg)	Price
18477	Valve Assembly, 2", Mv	43.0 (19.5)	\$2,768.00
18852	Valve Assembly, 2", Mv, CE	43.0 (19.5)	\$2,832.00
18399	O-Ring, Cap, Mv — Part of Valve Rebuild Kit (P/N 19019)	0.1 (0.05)	\$30.00
18400	O-Ring, Collar, Mv/Lv — Part of Valve Rebuild Kit (P/N 19019)	0.1 (0.05)	\$30.00
18475	O-Ring, Piston, Upper, Mv — Part of Piston Assembly in Valve Rebuild Kit (P/N 19019)	0.1 (0.05)	\$38.00
18476	O-Ring, Piston, Lower, Mv — Part of Piston Assembly in Valve Rebuild Kit (P/N 19019)	0.1 (0.05)	\$34.00
16999	Valve Core — Part of Valve Rebuild Kit (P/N 19019)	0.2 (0.1)	\$28.00
18473	Cap, Valve, Mv	3.9 (1.8)	\$266.00
18561	Disc, Rupture, Mv	0.3 (0.1)	\$244.00
96750	Kit, Anti-Recoil, Mv — Grooved Coupling Ordered Separately	3.8 (1.7)	\$156.00
18474	Nipple, 2" (50 mm) Grooved x MNPT	1.4 (0.6)	\$62.00
18555	Coupling, Grooved, 2" (50 mm)	2.8 (1.3)	\$148.00
14218	Plug, 1/4" MNPT (8 mm), Brass — For Pilot Actuation Port	0.2 (0.1)	\$30.00
19056	Lubricant, Valve, Sv/Mv/Lv — 5.29 oz Tube	0.3 (0.1)	\$128.00
19057	Tool, Valve Core Removal	0.1 (0.05)	\$68.00
19058	Wrench, Spanner, Cylinder Cap, Sv/Mv	1.3 (0.6)	\$240.00
99526	Wrench, Spanner, Piston, Mv	0.3 (0.1)	\$94.00
97608	Key, Piston, Valve, Mv (used in conjunction with P/N 99526)	0.2 (0.1)	\$420.00
97642	Tool, Piston Removal, Sv/Mv/Lv	0.2 (0.1)	\$36.00
19019	Kit, Valve Rebuild, Mv — Piston Assembly, Valve Core, Cap O-Ring, & Collar O-Ring	4.2 (1.9)	\$318.00



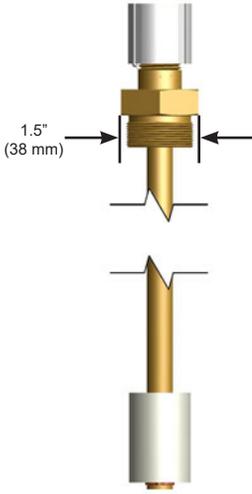
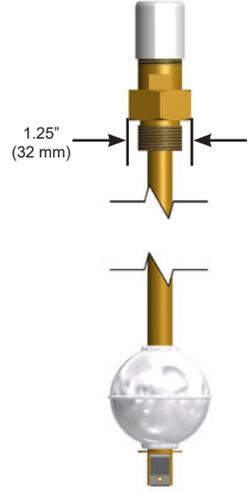
Note: Lubricant (P/N 19056) must be used to protect o-rings and piston seat during installation.

Lv Series Valve Replacement Components

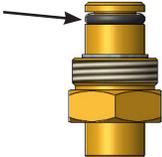
P/N	Description	Ship. Wt. lb (kg)	Price
18402	Valve Assembly, 3", Lv	59.5 (27.0)	\$3,478.00
18853	Valve Assembly, 3", Lv, CE	59.5 (27.0)	\$3,548.00
18397	O-Ring, Cap, Lv — Part of Valve Rebuild Kit (P/N 19020)	0.1 (0.05)	\$38.00
18400	O-Ring, Collar, Mv/Lv — Part of Valve Rebuild Kit (P/N 19020)	0.1 (0.05)	\$30.00
18398	O-Ring, Piston, Upper, Lv — Part of Piston Assembly in Valve Rebuild Kit (P/N 19020)	0.1 (0.05)	\$38.00
18399	O-Ring, Piston, Lower, Lv — Part of Piston Assembly in Valve Rebuild Kit (P/N 19020)	0.1 (0.05)	\$30.00
16999	Valve Core — Part of Valve Rebuild Kit (P/N 19020)	0.2 (0.1)	\$28.00
18395	Cap, Valve, Lv	6.4 (2.9)	\$518.00
96749	Kit, Anti-Recoil, Lv — Grooved Coupling Ordered Separately	6.5 (2.9)	\$238.00
18396	Nipple, 3" (80 mm) Grooved x MNPT	2.2 (1.0)	\$128.00
18554	Coupling, Grooved, 3" (80 mm)	4.7 (2.1)	\$192.00
14218	Plug, 1/4" MNPT (8 mm), Brass — For Pilot Actuation Port	0.2 (0.1)	\$30.00
19056	Lubricant, Valve, Sv/Mv/Lv — 5.29 oz Tube	0.3 (0.1)	\$128.00
19057	Tool, Valve Core Removal	0.1 (0.05)	\$68.00
19059	Wrench, Spanner, Cylinder Cap, Lv	1.4 (0.6)	\$248.00
99525	Wrench, Spanner, Piston, Lv	0.3 (0.1)	\$126.00
97607	Key, Piston, Valve, Lv (used in conjunction with P/N 99525)	0.2 (0.1)	\$420.00
97642	Tool, Piston Removal, Sv/Mv/Lv	0.2 (0.1)	\$36.00
19020	Kit, Valve Rebuild, Lv — Piston Assembly, Valve Core, Cap O-Ring, & Collar O-Ring	7.8 (3.5)	\$532.00

Miscellaneous Components				
	P/N	Description	Ship. Wt. lb (kg)	Price
	18558	Disc, Rupture, Lv	0.5 (0.2)	\$248.00
	18562	O-Ring, Disc, Rupture, Lv	0.1 (0.05)	\$26.00
	17002	Dip Tube, 40 lb Cylinder	2.0 (0.9)	\$98.00
	18439	Dip Tube, 80 lb Cylinder	3.5 (1.6)	\$144.00
	17004	Dip Tube, 130 lb Cylinder	5.4 (2.4)	\$154.00
	18431	Dip Tube, 250 lb Cylinder	10.5 (4.7)	\$320.00
	18429	Dip Tube, 420 lb Cylinder	17.0 (7.7)	\$432.00
	18427	Dip Tube, 600 lb Cylinder	16.4 (7.4)	\$394.00
	18425	Dip Tube, 900 lb Cylinder	24.0 (10.9)	\$538.00
	18423	Dip Tube, 1000 lb Cylinder	19.5 (8.8)	\$450.00
	18612	Cylinder Inspection Tag, Spare	0.1 (0.05)	\$24.00
	20238	Indicator, Pressure, Discharge	2.0 (0.9)	\$308.00
	20239	Trip, Pressure Release <i>Maximum load of 35 lbs (15.88 kg)</i>	2.0 (0.9)	\$374.00
	99702	Bracket Kit, Mounting, Pressure Release Trip	1.0 (0.5)	\$68.00

Miscellaneous Components (Continued)

	P/N	Description	Ship. Wt. lb (kg)	Price
 <p>1.5" (38 mm)</p>	23322	Indicator, Liquid Level, 28", Wide-Boss 250 lb, 600 lb Cylinder For Cylinders Filled After July 1 2014 (Refer to TB1010 for more information)	1.3 (0.6)	\$590.00
	23323	Indicator, Liquid Level, 43", Wide-Boss 420 lb, 900 lb, 1000 lb Cylinder For Cylinders Filled After July 1 2014 (Refer to TB1010 for more information)	1.7 (0.8)	\$574.00
	23289	O-Ring, Liquid Level Indicator, Wide-Boss Model	0.1 (0.05)	\$26.00
 <p>1.25" (32 mm)</p>	18530	Indicator, Liquid Level, 28", Narrow-Boss 250 lb, 600 lb Cylinder For Cylinders Filled Before April 1 2014 (Refer to TB1010 for more information)	1.3 (0.6)	\$590.00
	18531	Indicator, Liquid Level, 43", Narrow-Boss 420 lb, 900 lb, 1000 lb Cylinder For Cylinders Filled Before April 1 2014 (Refer to TB1010 for more information)	1.7 (0.8)	\$574.00
	18562	O-Ring, Liquid Level Indicator, Narrow-Boss Model	0.1 (0.05)	\$26.00

Miscellaneous Components (Continued)

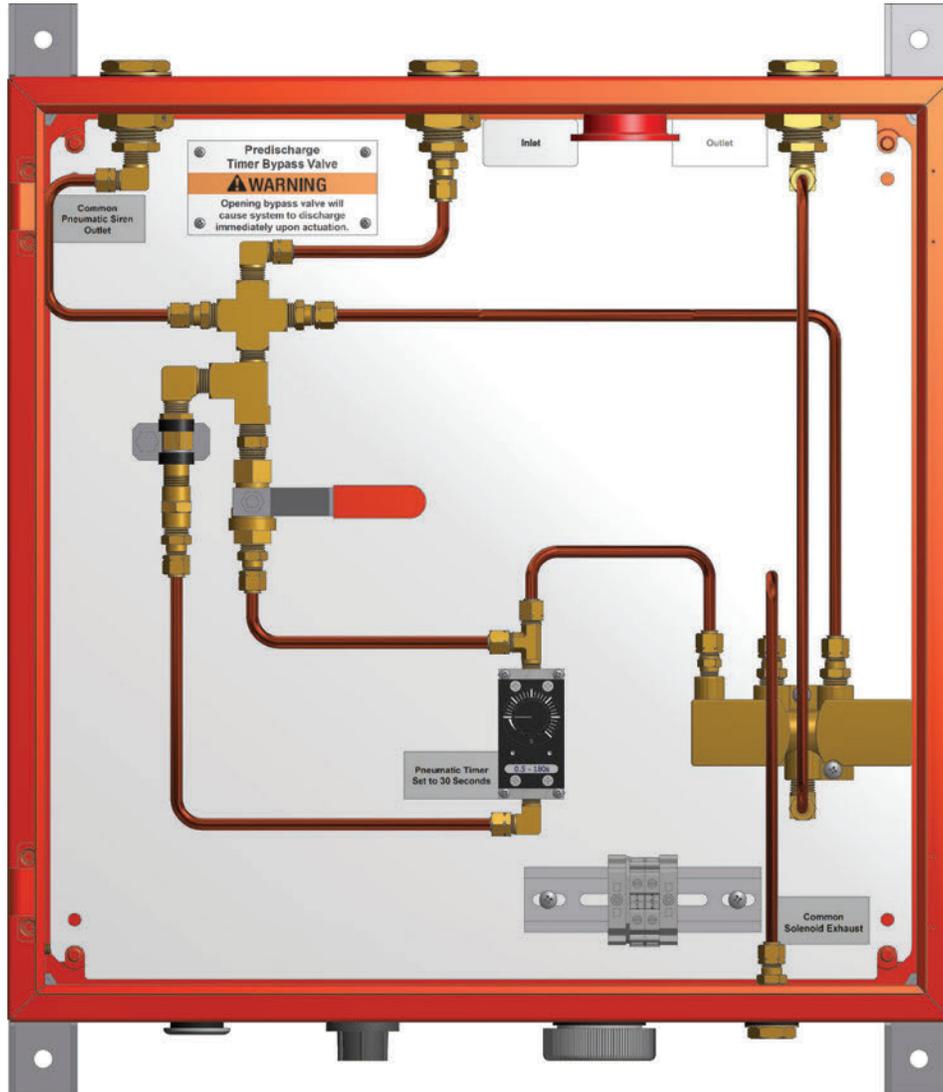
	P/N	Description	Ship. Wt. lb (kg)	Price
	19317	Relief Valve Assembly, 1/2" NPT (15 mm), 450 psi (31.0 bar)	1.2 (0.5)	\$152.00
	19316	Relief Valve Assembly, 1/2" NPT (15 mm), 125 psi (31.0 bar)	1.2 (0.5)	\$152.00
	19318	Adaptor, Pipe-Away, 1/2" NPT (15 mm) (For P/N 19317)	0.3 (0.1)	\$46.00
	19170	Regulator, Pressure, 1/2" (15 mm) FNPT, 50-135 PSIG, CV=3.6	3.2 (1.5)	\$498.00
	19513	Regulator, Pressure, 1" (25 mm), 50-135 PSIG, Brass	6.2 (2.8)	\$1,026.00
	19171	Gauge, Pressure, 1/4" (8 mm) MNPT, 0-160 PSIG, 2-1/2" Dial	0.4 (0.2)	\$72.00
	98791	O-Ring, Low-Pressure Supervisory Switch/Pressure Gauge Assembly, Spare <i>Pack of 25</i>	0.5 (0.2)	\$32.00

Spare Marine Nitrogen Cylinder Components

P/N	Description	Ship. Wt. lb (kg)	Price
26092	Valve, Nitrogen Driver	4.0 (1.8)	\$796.00
26102	Valve, Remote Nitrogen Actuation Cylinder	1.7 (0.8)	\$738.00

Marine Application Pneumatic Time Delay Cabinet

P/N	Description	Ship. Wt. lb (kg)	Price
97691	Cabinet, Pilot, NEMA 4, w/Timer, w/o Solenoid Valve, w/o Supervision, N2	42.0 (19.1)	\$5,420.00

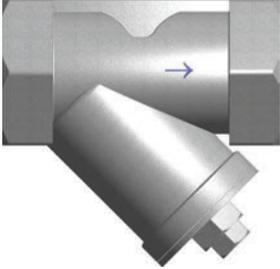
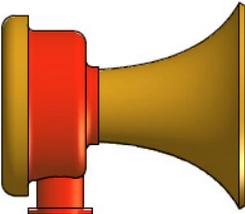


Pneumatic Time Delay Cabinet for Marine Application

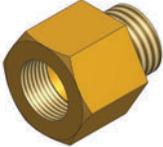
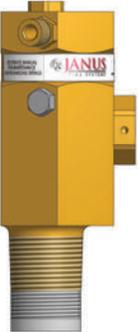
Time Delay Cabinet Replacement Components

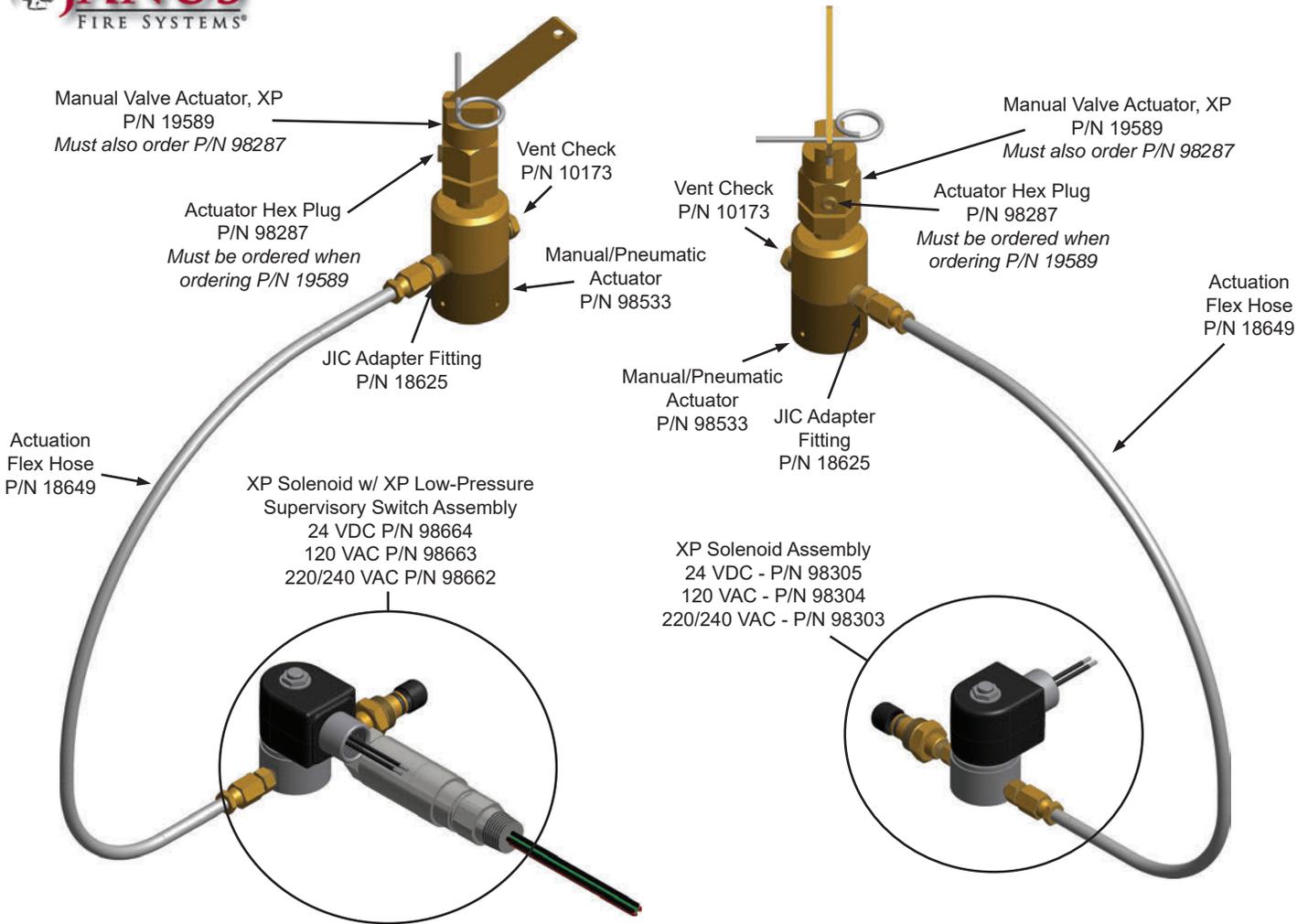
P/N	Description	Ship. Wt. lb (kg)	Price
19173	Valve, Ball, 1/4", w/ Locking Device	0.6 (0.3)	\$78.00
19174	Valve, Pneumatic Pilot	1.9 (0.9)	\$700.00
19172	Timer, Pneumatic, (1-180 Sec) <i>Temperature Range: 20° to 130°F (-7° to 54°C)</i>	0.9 (0.4)	\$1,196.00
99109	Filter, 1/4 Inch (8 mm) FNPT x MNPT, Brass, 20 Micron	0.2 (0.1)	\$40.00

Miscellaneous Marine Components

	P/N	Description	Ship. Wt. lb (kg)	Price
	98656	Strainer, 1/2 Inch (15 mm) FNPT, Y, 40 Mesh, SST, Class 1500#	1.2 (0.5)	\$2,392.00
	19370	Strainer, 1/2 Inch (15 mm) FNPT, Y, 40 Mesh, SST	0.3 (0.1)	\$302.00
	99767	Valve, Shuttle, 1/4 Inch, Brass, 3000PSI	1.0 (0.5)	\$204.00
	19599	Regulator, High Pressure, 1/4" (8 mm) FNPT, Outlet Range 0-250psi, Cv=0.5	1.9 (0.9)	\$1,978.00
	99772	Regulator, High Pressure, 100 psi (6.7 bar), 1/2" FNPT (15 mm), Cv = 1.0	4.4 (2.0)	\$2,844.00
	19171	Gauge, Pressure, 1/4" (8 mm) MNPT, 0-160 PSIG, 2-1/2" Dial	0.4 (0.2)	\$72.00
	19224	Siren, Pneumatic, CO2	3.1 (1.4)	\$924.00
	19225	Bracket, Pneumatic Siren	0.9 (0.4)	\$200.00
	19598	Device, Header Safety, 1/2 Inch (15 mm) MNPT, HPCO2	0.5 (0.2)	\$144.00

Marine Replacement Components

	P/N	Description	Ship. Wt. lb (kg)	Price
	19591	Adapter, Discharge Outlet, 3/4" <i>Single Cylinder Arrangements</i>	0.7 (0.3)	\$122.00
	19590	Valve, Check, Discharge Outlet, 3/4" <i>Multiple Cylinder Arrangements</i>	0.9 (0.3)	\$184.00
	19609	Hose, Flex, Discharge	2.7 (1.2)	\$218.00
	19428	Valve, Cylinder w/ Dip Tube Adapter	4.0 (1.8)	\$956.00
	98243	Kit, Rupture Disc Replacement	0.7 (0.3)	\$58.00
	97886	Plug, Anti-Recoil, HPCO2	0.7 (0.3)	\$54.00
	97882	Shipping Cap, Cylinder, Replacement, HPCO2	2.8 (1.3)	\$52.00



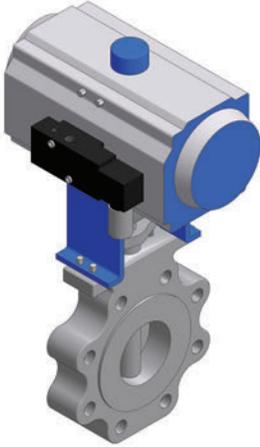
Explosion-Proof Kit Replacement Components

P/N	Description	Ship. Wt. lb (kg)	Price
98664	Solenoid Assembly, XP, 24VDC, w XP Low-Pressure Supervisory Switch, 360 psi	4.2 (1.9)	\$2,510.00
98663	Solenoid Assembly, XP, 120VAC, w XP Low-Pressure Supervisory Switch, 360 psi	4.2 (1.9)	\$2,510.00
98662	Solenoid Assembly, XP, 220/240VAC, w XP Low-Pressure Supervisory Switch, 360 psi	4.2 (1.9)	\$2,510.00
19589	Manual Valve Actuator, XP <i>Must also order P/N 98287</i>	1.1 (0.5)	\$226.00
98287	Actuator Hex Plug <i>Must be ordered when ordering P/N 19589</i>	0.2 (0.1)	\$26.00
98533	Manual-Pneumatic Valve Actuator	1.7 (0.8)	\$530.00
18649	Actuation Flex Hose, 24 Inch Long	0.6 (0.3)	\$102.00
18625	JIC Adapter Fitting	0.2 (0.1)	\$28.00
10173	Vent Check	0.2 (0.1)	\$28.00
98305	Solenoid Assembly, XP, Mv/Lv, 24VDC	2.8 (1.3)	\$1,102.00
98304	Solenoid Assembly, XP, Mv/Lv, 120VAC	2.8 (1.3)	\$1,102.00
98303	Solenoid Assembly, XP, Mv/Lv, 220/240VAC	2.8 (1.3)	\$1,102.00
24776	Valve Assembly, 1-1/4 Inch (32mm), Sv, For Explosion Proof Cylinder Assembly	12.5 (5.7)	\$1,134.00

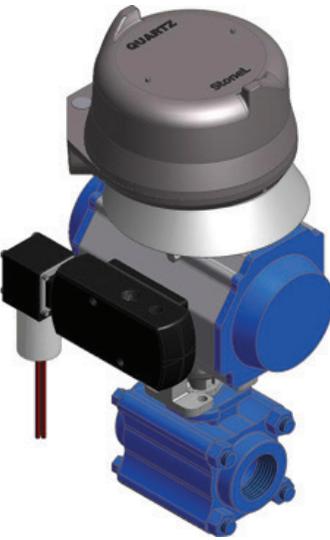
Pneumatically Actuated Ball Valves (w/ Solenoid)

	P/N	Description	Ship. Wt. lb (kg)	Price
	19483-CS0	Ball Valve, Pneumatically Actuated, 1/2", Carbon Steel, w/ Solenoid	5.3 (2.4)	\$2,392.00
	19483-SS0	Ball Valve, Pneumatically Actuated, 1/2", Stainless Steel, w/ Solenoid	5.3 (2.4)	\$2,388.00
	19484-CS0	Ball Valve, Pneumatically Actuated, 3/4", Carbon Steel, w/ Solenoid	7.6 (3.4)	\$2,690.00
	19484-SS0	Ball Valve, Pneumatically Actuated, 3/4", Stainless Steel, w/ Solenoid	7.6 (3.4)	\$2,702.00
	19485-CS0	Ball Valve, Pneumatically Actuated, 1", Carbon Steel, w/ Solenoid	9.7 (4.4)	\$2,722.00
	19485-SS0	Ball Valve, Pneumatically Actuated, 1", Stainless Steel, w/ Solenoid	9.7 (4.4)	\$2,814.00
	19486-CS0	Ball Valve, Pneumatically Actuated, 1-1/2", Carbon Steel, w/ Solenoid	20.6 (9.3)	\$3,668.00
	19486-SS0	Ball Valve, Pneumatically Actuated, 1-1/2", Stainless Steel, w/ Solenoid	20.6 (9.3)	\$4,060.00
	19487-CS0	Ball Valve, Pneumatically Actuated, 2", Carbon Steel, w/ Solenoid	28.1 (12.7)	\$4,308.00
	19487-SS0	Ball Valve, Pneumatically Actuated, 2", Stainless Steel, w/ Solenoid	28.1 (12.7)	\$4,760.00

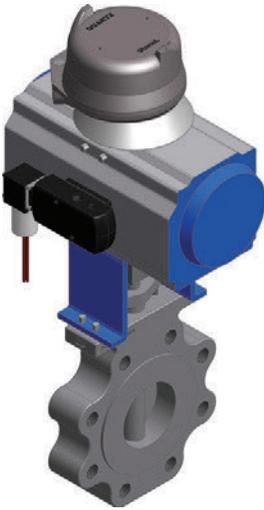
Pneumatically Actuated Wafer Valves (830 Series w/ Solenoid)

	P/N	Description	Ship. Wt. lb (kg)	Price
	19488-CS0	Wafer Valve, Pneumatically Actuated, 3", 830 Series, Carbon Steel, w/ Solenoid	35.4 (16.0)	\$6,818.00
	19488-SS0	Wafer Valve, Pneumatically Actuated, 3", 830 Series, Stainless Steel, w/ Solenoid	35.4 (16.0)	\$7,336.00
	19489-CS0	Wafer Valve, Pneumatically Actuated, 4", 830 Series, Carbon Steel, w/ Solenoid	57.9 (26.3)	\$8,824.00
	19489-SS0	Wafer Valve, Pneumatically Actuated, 4", 830 Series, Stainless Steel, w/ Solenoid	57.9 (26.3)	\$9,458.00
	19490-CS0	Wafer Valve, Pneumatically Actuated, 6", 830 Series, Carbon Steel, w/ Solenoid	106.1 (48.1)	\$14,860.00
	19490-SS0	Wafer Valve, Pneumatically Actuated, 6", 830 Series, Stainless Steel, w/ Solenoid	106.1 (48.1)	\$18,560.00

Pneumatically Actuated Ball Valves (w/ Solenoid and Position Indicator)

	P/N	Description	Ship. Wt. lb (kg)	Price
	19483-CSP	Ball Valve, Pneumatically Actuated, 1/2", Carbon Steel, w/ Solenoid & Position Indicator	9.3 (4.2)	\$3,634.00
	19483-SSP	Ball Valve, Pneumatically Actuated, 1/2", Stainless Steel, w/ Solenoid & Position Indicator	9.3 (4.2)	\$3,620.00
	19484-CSP	Ball Valve, Pneumatically Actuated, 3/4", Carbon Steel, w/ Solenoid & Position Indicator	11.6 (5.3)	\$3,924.00
	19484-SSP	Ball Valve, Pneumatically Actuated, 3/4", Stainless Steel, w/ Solenoid & Position Indicator	11.6 (5.3)	\$3,936.00
	19485-CSP	Ball Valve, Pneumatically Actuated, 1", Carbon Steel, w/ Solenoid & Position Indicator	13.7 (6.2)	\$3,964.00
	19485-SSP	Ball Valve, Pneumatically Actuated, 1", Stainless Steel, w/ Solenoid & Position Indicator	13.7 (6.2)	\$4,056.00
	19486-CSP	Ball Valve, Pneumatically Actuated, 1-1/2", Carbon Steel, w/ Solenoid & Position Indicator	24.6 (11.2)	\$4,874.00
	19486-SSP	Ball Valve, Pneumatically Actuated, 1-1/2", Stainless Steel, w/ Solenoid & Position Indicator	24.6 (11.2)	\$5,264.00
	19487-CSP	Ball Valve, Pneumatically Actuated, 2", Carbon Steel, w/ Solenoid & Position Indicator	32.1 (14.6)	\$5,518.00
	19487-SSP	Ball Valve, Pneumatically Actuated, 2", Stainless Steel, w/ Solenoid & Position Indicator	32.1 (14.6)	\$5,964.00

Pneumatically Actuated Wafer Valves (830 Series w/ Solenoid and Position Indicator)

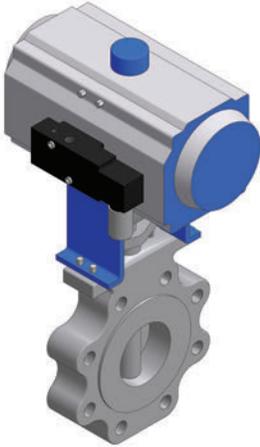
	P/N	Description	Ship. Wt. lb (kg)	Price
	19488-CSP	Wafer Valve, Pneumatically Actuated, 3", 830 Series, Carbon Steel, w/ Solenoid & Position Indicator	39.4 (17.9)	\$8,024.00
	19488-SSP	Wafer Valve, Pneumatically Actuated, 3", 830 Series, Stainless Steel, w/ Solenoid & Position Indicator	39.4 (17.9)	\$8,546.00
	19489-CSP	Wafer Valve, Pneumatically Actuated, 4", 830 Series, Carbon Steel, w/ Solenoid & Position Indicator	61.9 (28.1)	\$10,026.00
	19489-SSP	Wafer Valve, Pneumatically Actuated, 4", 830 Series, Stainless Steel, w/ Solenoid & Position Indicator	61.9 (28.1)	\$10,658.00
	19490-CSP	Wafer Valve, Pneumatically Actuated, 6", 830 Series, Carbon Steel, w/ Solenoid & Position Indicator	109.1 (49.5)	\$16,062.00
	19490-SSP	Wafer Valve, Pneumatically Actuated, 6", 830 Series, Stainless Steel, w/ Solenoid & Position Indicator	109.1 (49.5)	\$19,906.00

Pneumatically Actuated Ball Valves (w/ XP Solenoid)

	P/N	Description	Ship. Wt. lb (kg)	Price
	19483-CX0	Ball Valve, Pneumatically Actuated, 1/2", Carbon Steel, w/ XP Solenoid	5.3 (2.4)	\$2,520.00
	19483-SX0	Ball Valve, Pneumatically Actuated, 1/2", Stainless Steel, w/ XP Solenoid	5.3 (2.4)	\$2,506.00
	19484-CX0	Ball Valve, Pneumatically Actuated, 3/4", Carbon Steel, w/ XP Solenoid	7.6 (3.4)	\$2,798.00
	19484-SX0	Ball Valve, Pneumatically Actuated, 3/4", Stainless Steel, w/ XP Solenoid	7.6 (3.4)	\$2,818.00
	19485-CX0	Ball Valve, Pneumatically Actuated, 1", Carbon Steel, w/ XP Solenoid	9.7 (4.4)	\$2,856.00
	19485-SX0	Ball Valve, Pneumatically Actuated, 1", Stainless Steel, w/ XP Solenoid	9.7 (4.4)	\$2,946.00
	19486-CX0	Ball Valve, Pneumatically Actuated, 1-1/2", Carbon Steel, w/ XP Solenoid	20.6 (9.3)	\$3,792.00
	19486-SX0	Ball Valve, Pneumatically Actuated, 1-1/2", Stainless Steel, w/ XP Solenoid	20.6 (9.3)	\$4,184.00
	19487-CX0	Ball Valve, Pneumatically Actuated, 2", Carbon Steel, w/ XP Solenoid	28.1 (12.7)	\$4,438.00
	19487-SX0	Ball Valve, Pneumatically Actuated, 2", Stainless Steel, w/ XP Solenoid	28.1 (12.7)	\$4,894.00

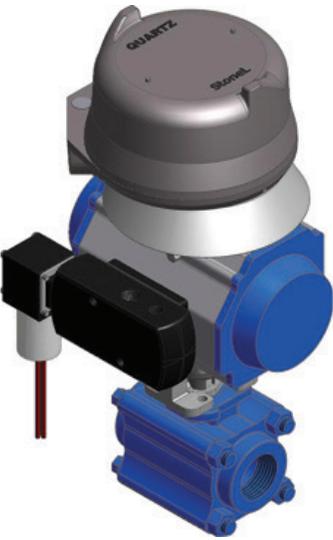
Refer to DS1093 for explosion-proof ratings.

Pneumatically Actuated Wafer Valves (830 Series w/ XP Solenoid)

	P/N	Description	Ship. Wt. lb (kg)	Price
	19488-CX0	Wafer Valve, Pneumatically Actuated, 3", 830 Series, Carbon Steel, w/ XP Solenoid	35.4 (16.0)	\$6,946.00
	19488-SX0	Wafer Valve, Pneumatically Actuated, 3", 830 Series, Stainless Steel, w/ XP Solenoid	35.4 (16.0)	\$7,462.00
	19489-CX0	Wafer Valve, Pneumatically Actuated, 4", 830 Series, Carbon Steel, w/ XP Solenoid	57.9 (26.3)	\$8,944.00
	19489-SX0	Wafer Valve, Pneumatically Actuated, 4", 830 Series, Stainless Steel, w/ XP Solenoid	57.9 (26.3)	\$9,580.00
	19490-CX0	Wafer Valve, Pneumatically Actuated, 6", 830 Series, Carbon Steel, w/ XP Solenoid	106.1 (48.1)	\$14,990.00
	19490-SX0	Wafer Valve, Pneumatically Actuated, 6", 830 Series, Stainless Steel, w/ XP Solenoid	106.1 (48.1)	\$18,628.00

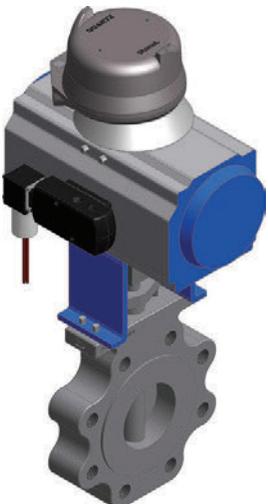
Refer to DS1093 for explosion-proof ratings.

Pneumatically Actuated Ball Valves (w/ XP Solenoid and Position Indicator)

	P/N	Description	Ship. Wt. lb (kg)	Price
	19483-CXP	Ball Valve, Pneumatically Actuated, 1/2", Carbon Steel, w/ XP Solenoid & Position Indicator	9.3 (4.2)	\$3,754.00
	19483-SXP	Ball Valve, Pneumatically Actuated, 1/2", Stainless Steel, w/ XP Solenoid & Position Indicator	9.3 (4.2)	\$3,752.00
	19484-CXP	Ball Valve, Pneumatically Actuated, 3/4", Carbon Steel, w/ XP Solenoid & Position Indicator	11.6 (5.3)	\$4,052.00
	19484-SXP	Ball Valve, Pneumatically Actuated, 3/4", Stainless Steel, w/ XP Solenoid & Position Indicator	11.6 (5.3)	\$4,060.00
	19485-CXP	Ball Valve, Pneumatically Actuated, 1", Carbon Steel, w/ XP Solenoid & Position Indicator	13.7 (6.2)	\$4,090.00
	19485-SXP	Ball Valve, Pneumatically Actuated, 1", Stainless Steel, w/ XP Solenoid & Position Indicator	13.7 (6.2)	\$4,176.00
	19486-CXP	Ball Valve, Pneumatically Actuated, 1-1/2", Carbon Steel, w/ XP Solenoid & Position Indicator	24.6 (11.2)	\$5,000.00
	19486-SXP	Ball Valve, Pneumatically Actuated, 1-1/2", Stainless Steel, w/ XP Solenoid & Position Indicator	24.6 (11.2)	\$5,388.00
	19487-CXP	Ball Valve, Pneumatically Actuated, 2", Carbon Steel, w/ XP Solenoid & Position Indicator	32.1 (14.6)	\$5,646.00
	19487-SXP	Ball Valve, Pneumatically Actuated, 2", Stainless Steel, w/ XP Solenoid & Position Indicator	32.1 (14.6)	\$6,090.00

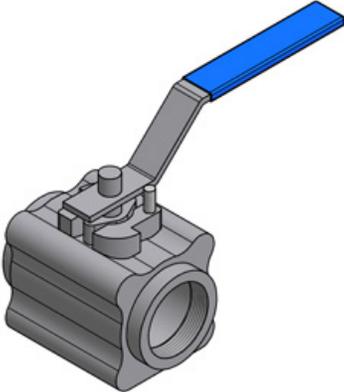
Refer to DS1093 for explosion-proof ratings.

Pneumatically Actuated Wafer Valves (830 Series w/ XP Solenoid and Position Indicator)

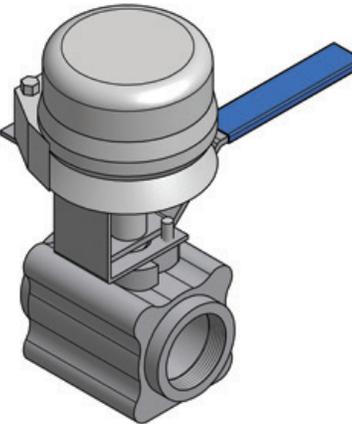
	P/N	Description	Ship. Wt. lb (kg)	Price
	19488-CXP	Wafer Valve, Pneumatically Actuated, 3", 830 Series, Carbon Steel, w/ XP Solenoid & Position Indicator	39.4 (17.9)	\$8,144.00
	19488-SXP	Wafer Valve, Pneumatically Actuated, 3", 830 Series, Stainless Steel, w/ XP Solenoid & Position Indicator	39.4 (17.9)	\$8,666.00
	19489-CXP	Wafer Valve, Pneumatically Actuated, 4", 830 Series, Carbon Steel, w/ XP Solenoid & Position Indicator	61.9 (28.1)	\$10,146.00
	19489-SXP	Wafer Valve, Pneumatically Actuated, 4", 830 Series, Stainless Steel, w/ XP Solenoid & Position Indicator	61.9 (28.1)	\$10,786.00
	19490-CXP	Wafer Valve, Pneumatically Actuated, 6", 830 Series, Carbon Steel, w/ XP Solenoid & Position Indicator	109.1 (49.5)	\$16,200.00
	19490-SXP	Wafer Valve, Pneumatically Actuated, 6", 830 Series, Stainless Steel, w/ XP Solenoid & Position Indicator	109.1 (49.5)	\$19,974.00

Refer to DS1093 for explosion-proof ratings.

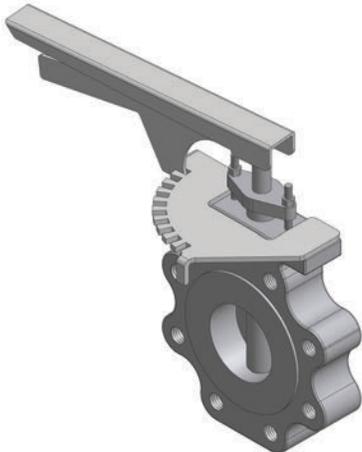
Manually Actuated Ball Valves (Standard)

	P/N	Description	Ship. Wt. lb (kg)	Price
	19465-C00	Ball Valve, Manually Actuated, 1/2", Carbon Steel	1.9 (0.9)	\$556.00
	19465-S00	Ball Valve, Manually Actuated, 1/2", Stainless Steel	1.9 (0.9)	\$556.00
	19466-C00	Ball Valve, Manually Actuated, 3/4", Carbon Steel	2.7 (1.2)	\$648.00
	19466-S00	Ball Valve, Manually Actuated, 3/4", Stainless Steel	2.7 (1.2)	\$670.00
	19467-C00	Ball Valve, Manually Actuated, 1", Carbon Steel	4.8 (2.2)	\$690.00
	19467-S00	Ball Valve, Manually Actuated, 1", Stainless Steel	4.8 (2.2)	\$790.00
	19468-C00	Ball Valve, Manually Actuated, 1-1/2", Carbon Steel	9.8 (4.4)	\$924.00
	19468-S00	Ball Valve, Manually Actuated, 1-1/2", Stainless Steel	9.8 (4.4)	\$1,310.00
	19469-C00	Ball Valve, Manually Actuated, 2", Carbon Steel	12.7 (5.8)	\$1,254.00
	19469-S00	Ball Valve, Manually Actuated, 2", Stainless Steel	12.7 (5.8)	\$1,722.00

Manually Actuated Ball Valves (w/ Limit Switch)

	19465-CL0	Ball Valve, Manually Actuated, 1/2", Carbon Steel, w/ Limit Switch	5.9 (2.7)	\$2,166.00
	19465-SL0	Ball Valve, Manually Actuated, 1/2", Stainless Steel, w/ Limit Switch	5.9 (2.7)	\$2,156.00
	19466-CL0	Ball Valve, Manually Actuated, 3/4", Carbon Steel, w/ Limit Switch	6.7 (3.0)	\$2,272.00
	19466-SL0	Ball Valve, Manually Actuated, 3/4", Stainless Steel, w/ Limit Switch	6.7 (3.0)	\$2,322.00
	19467-CL0	Ball Valve, Manually Actuated, 1", Carbon Steel, w/ Limit Switch	8.8 (4.0)	\$2,474.00
	19467-SL0	Ball Valve, Manually Actuated, 1", Stainless Steel, w/ Limit Switch	8.8 (4.0)	\$2,476.00
	19468-CL0	Ball Valve, Manually Actuated, 1-1/2", Carbon Steel, w/ Limit Switch	13.8 (6.3)	\$2,688.00
	19468-SL0	Ball Valve, Manually Actuated, 1-1/2", Stainless Steel, w/ Limit Switch	13.8 (6.3)	\$3,070.00
	19469-CL0	Ball Valve, Manually Actuated, 2", Carbon Steel, w/ Limit Switch	16.7 (7.6)	\$3,032.00
	19469-SL0	Ball Valve, Manually Actuated, 2", Stainless Steel, w/ Limit Switch	16.7 (7.6)	\$3,478.00

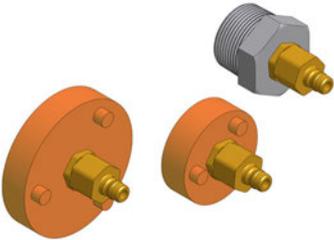
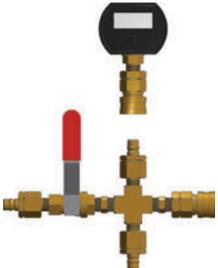
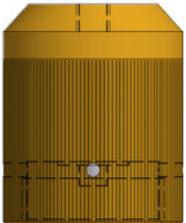
Manually Actuated Wafer Valves (830 Series Standard & w/ Limit Switch)

	P/N	Description	Ship. Wt. lb (kg)	Price
	19470-C00	Wafer Valve, Manually Actuated, 3", 830 Series, Carbon Steel	23.0 (10.4)	\$3,582.00
	19470-S00	Wafer Valve, Manually Actuated, 3", 830 Series, Stainless Steel	23.0 (10.4)	\$4,110.00
	19470-CL0	Wafer Valve, Manually Actuated, 3", 830 Series, Carbon Steel, w/ Limit Switch	23.0 (10.4)	\$5,158.00
	19470-SL0	Wafer Valve, Manually Actuated, 3", 830 Series, Stainless Steel, w/ Limit Switch	23.0 (10.4)	\$5,694.00
	19471-C00	Wafer Valve, Manually Actuated, 4", 830 Series, Carbon Steel	32.0 (14.5)	\$4,074.00
	19471-S00	Wafer Valve, Manually Actuated, 4", 830 Series, Stainless Steel	32.0 (14.5)	\$4,724.00
	19471-CL0	Wafer Valve, Manually Actuated, 4", 830 Series, Carbon Steel, w/ Limit Switch	32.0 (14.5)	\$5,510.00
	19471-SL0	Wafer Valve, Manually Actuated, 4", 830 Series, Stainless Steel, w/ Limit Switch	32.0 (14.5)	\$6,430.00
	19472-C00	Wafer Valve, Manually Actuated, 6", 830 Series, Carbon Steel	69.0 (31.3)	\$6,190.00
	19472-S00	Wafer Valve, Manually Actuated, 6", 830 Series, Stainless Steel	69.0 (31.3)	\$8,566.00
	19472-CL0	Wafer Valve, Manually Actuated, 6", 830 Series, Carbon Steel, w/ Limit Switch	69.0 (31.3)	\$7,720.00
	19472-SL0	Wafer Valve, Manually Actuated, 6", 830 Series, Stainless Steel, w/ Limit Switch	69.0 (31.3)	\$10,304.00

Valve Replacement Components

P/N	Description	Ship. Wt. lb (kg)	Price
97864	Position Indicator Kit, Replacement, for .5 in, .75 in, and 1 in Pneumatic Ball Valves	0.3 (0.1)	\$100.00
97863	Position Indicator Kit, Replacement, for 1.5 in, 2 in Pneumatic Ball Valves and 3 in 830 Series Pneumatic Butterfly Valves	0.3 (0.1)	\$110.00
97862	Position Indicator Kit, Replacement, for 4 in 830 Series Pneumatic Butterfly Valves	0.3 (0.1)	\$132.00
97861	Position Indicator Kit, Replacement, for 6 in 830 Series Pneumatic Butterfly Valves	0.3 (0.1)	\$140.00
96836	Limit Switch Bracket Linkage Kit, Replacement, for 1/2 in and 3/4 in Manual Ball Valves	0.3 (0.1)	\$768.00
96835	Limit Switch Bracket Linkage Kit, Replacement, for 1 in Manual Ball Valves	0.3 (0.1)	\$768.00
96834	Limit Switch Bracket Linkage Kit, Replacement, for 1-1/2 in and 2 in Manual Ball Valves	0.3 (0.1)	\$768.00
99456	Limit Switch, Replacement, XP	2.5 (1.1)	\$1,242.00

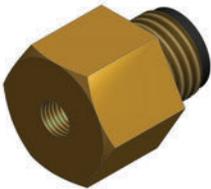
Cylinder Refill Components

	P/N	Description	Ship. Wt. lb (kg)	Price
	99502	Fill Station, FM-200	150.0 (68.0)	\$24,328.00
	23070	Label, Clear Overlay, Clean Agent <i>(placed over cylinder nameplate after recording fill information)</i>	0.2 (0.1)	\$20.00
	99511	Fill Adapter Kit, Sv/Mv/Lv	5.0 (2.3)	\$1,070.00
	99517	Cylinder Fill Assembly <i>(includes Pressure Gauge)</i>	4.0 (1.8)	\$3,356.00
	99516	Nitrogen Regulator/Hose Assembly	10.0 (4.5)	\$5,642.00
	99499	Adapter, 1/4 Inch Male Quick-Connect x MNPT, Unchecked	0.2 (0.1)	\$36.00
	17292	Valve Closing Adapter	2.0 (0.9)	\$130.00

Cylinder Refill Components (cont'd)

	P/N	Description	Ship. Wt. lb (kg)	Price
	97830	Leak Detector, H-10 Pro	5.1 (2.3)	\$2,080.00
	97832	Leak Standard, FM-200, 0.48 oz per Year Leak Rate, 25% Tolerance <i>Must be calibrated annually</i>	1.3 (0.6)	\$5,346.00

Nitrogen Cylinder Refill Components

	P/N	Description	Ship. Wt. lb (kg)	Price
	99743	Adapter, Filling, Cylinder, N2 Driver	4.0 (1.8)	\$884.00
	98270	Adapter, Valve Closing, N2 Driver	0.3 (0.1)	\$62.00

FM-200® Agent Pricing

P/N	Price
FM200AGENT	Contact your Regional Sales Manager for up-to-date pricing.

FM-200® Bulk Containers

P/N	Tank Size	Deposit Charge (Net)
FM200DEP-1150	1150 lb Tank	\$1,500.00
FM200DEP-ISO	34,000 lb (ISO) Tank	\$100.00 per day after five days from delivery of tank

Note:
Cylinder deposits are fully refundable if cylinders are returned in good condition within six (6) months of shipment. Contact your Janus Fire Systems Customer Relations Account Specialist for specific refund procedure.

NOTE: Bulk agent is no longer available in the U.S. It will continue to be available internationally until further notice.

Refill (includes Valve Rebuild)

P/N	Description	Price (plus Agent)
FM200REFILL-SV	Refill and Valve Rebuild for Sv Cylinders	\$1,188.00
FM200REFILL-MV	Refill and Valve Rebuild for Mv Cylinders	\$1,572.00
FM200REFILL-LV	Refill and Valve Rebuild for Lv Cylinders	\$2,412.00

NOTE: Refills are available in the both the U.S. and internationally until further notice. Contact your Regional Sales Manager for up-to-date agent pricing.

Services		
<ul style="list-style-type: none"> Design (FM-200®, Novec 1230 Fluid, CO2, Dry Chemical, Foam, Water Based, Alarm & Detection) Application Engineering Site Surveys Hazard Analysis Field Commissioning, Testing and Training Project Integration Turnkey 		
Systems Application		
	Standard Daily Rate	\$1,504.00
Computer Calculation Software		
	FM-200® Software	\$650.00
Field Services (Domestic)		
Mon - Fri	Standard Daily Rate	\$1,504.00
	After initial 8 hours	\$282.00 per hour
Sat	Standard Daily Rate	\$2,256.00
	After initial 8 hours	\$376.00 per hour
Sun	Standard Daily Rate	\$3,008.00
	After initial 8 hours	\$376.00 per hour
Field Services (International)		
Mon - Fri	Standard Daily Rate	\$1,808.00
	After initial 8 hours	\$339.00 per hour
Sat	Standard Daily Rate	\$2,712.00
	After initial 8 hours	\$452.00 per hour
Sun	Standard Daily Rate	\$3,616.00
	After initial 8 hours	\$452.00 per hour
<p>Note:</p> <ul style="list-style-type: none"> Minimum labor charge for services provided is the applicable standard daily rate. All travel is portal to portal and charged at the applicable standard daily rate. All expenses are charged at cost plus 15%. (Receipts available upon request.) International air travel, excluding Canada, Mexico, and the Caribbean, will be business class. 		
Online Training Classes		
	— Clean Agent (Valid for 2 Year Access)	\$500.00 per attendee
	— HPCO2 (Valid for 2 Year Access)	\$500.00 per attendee
	— Dry Chemical (Valid for 2 Year Access)	\$500.00 per attendee
	— Alarm & Detection (Valid for 2 Year Access)	\$500.00 per attendee
	All Four Classes (Valid for 2 Year Access)	\$1600.00 per attendee

TERMS AND CONDITIONS OF SALE AND SERVICE

1. ENTIRE AGREEMENT. Each party agrees that all sales of goods ("Goods") and/or provision of services ("Services") by Janus Fire Systems ("Seller") to Buyer are governed by these Terms and Conditions of Sale and Service ("Terms and Conditions of Sale and Service") which supersede any other terms of Buyer or Seller. Buyer acknowledges that these Terms and Conditions of Sale are subject to change from time to time and the parties agree that each sale of Goods and provision of Services will be governed by the version of Terms and Conditions of Sale and Service available online at www.janusfiresystems.com under the Terms and Conditions tab at the time of acceptance by Seller of an order for such Goods and/or Services. The Terms and Conditions of Sale and Service and the order from Buyer and agreed by Seller ("Order") or other contract documents to which they apply constitute the entire agreement between the parties with respect to Goods and Services ("Agreement"). All references by Seller to Buyer's specifications and similar requirements are only to describe Goods and Services covered hereby and no warranties or other terms will have any force or effect. No other terms of Buyer, no modification, amendment, or waiver to this Agreement, and no cancellation, change, or return of any Order under this Agreement will be binding on either party until agreed in writing by such party's authorized representative. Buyer may not rely on any representation, promise, or term not set forth herein and Seller expressly objects to and rejects all terms not contained in this Agreement. Seller's acceptance of Orders, whether oral or written, and/or its delivery of Goods to and performance of Services for Buyer is based on the express condition that Buyer agrees to these Terms and Conditions of Sale and Service.

2. QUOTATIONS. Where this Agreement is used by Seller to place a bid, Seller's quotation is for prompt acceptance and Seller may change and/or withdraw without notice. Buyer's prompt acceptance of the quotation is a material term of the bid and any subsequent agreement. In cases where freight allowance is included in the quotation, Buyer is liable for any rate increase and/or additional expense over the calculated allowance resulting from compliance with Buyer's shipping instructions.

3. DELIVERY OF GOODS. Delivery terms for Goods (stated in Incoterms® 2020) are stated on each Order. All Orders must include Buyer's or forwarder address and are assumed to authorize immediate release upon ready-to-ship status unless otherwise specified in writing. All shipping dates are approximate; production will not begin until receipt by Seller of complete manufacturing, shipping, and credit information. Tender of delivery is deemed to occur at the earliest of (A) acceptance of shipment by designated shipper, (B) allocation of Goods to Buyer at location other than Seller's location, (C) delivery to Buyer's representative or designee, or (D) mailing of an invoice to Buyer. Buyer agrees to provide Seller with defined shipping instructions within seven (7) business days following receipt of packing list provided by Seller. Title to Goods will pass to Buyer on tender of delivery, subject to Seller's right to stop Goods in transit and to any interest of Seller reserved to secure Buyer's payment or performance to Seller, even if freight is included or prepaid. If Seller holds Goods at Buyer's instruction or because Buyer has failed to supply shipping instructions or because Seller, in its sole discretion, determines that any part of Goods should be held for Buyer's account, Seller may invoice Buyer for the Goods, as well as for storage. Storage fees will be at Seller's standard rates. Goods invoiced and held at any location for whatever reason will be at Buyer's risk and Seller may charge for (but is not obligated to carry) insurance. If Buyer fails to provide shipping instructions, Seller may, at its option, ship the Goods to Buyer at the address specified in the applicable Order and invoice Buyer for the Goods. Buyer agrees to make payment of such invoice when due under this Agreement. Buyer will accept and pay for partial deliveries at the Agreement prices and terms. If Buyer declares or indicates an intention to not accept delivery, Seller

may, at its option, give written notice to Buyer that Seller is ready and willing to deliver, and such notice will constitute a valid tender of delivery. Buyer must report any shortages in shipments within three (3) calendar days of receipt of the initial shipment. Buyer may not make any deduction from any payment due because of loss or damage to Goods in transit. If Buyer makes a written request, Seller, in its sole discretion, may agree as a service to Buyer to process Buyer's claim against the freight vendor for any loss or damage in transit, so long as Seller receives the claim within five (5) calendar days of delivery of the Goods. All claims will be waived unless accompanied by a delivery receipt, signed by freight vendor's agent at time of delivery, on which receipt the loss or damage has been noted.

4. PERFORMANCE OF SERVICES. Promptly following delivery of Goods, if applicable, or promptly following notice to proceed from Buyer, Seller will begin and diligently proceed to perform Services. All completion dates or milestone dates are approximate. Title and risk of loss to work performed by Seller will pass to Buyer upon complete payment by Buyer for such Services.

5. PRICES; PAYMENT. Prices and payment terms are stated on the Order or invoice document. Seller may make partial shipments and payment for that portion will be due as indicated on the Order or invoice document based on time of shipment. Seller's prices do not include sales, use, excise, or other similar taxes and Buyer agrees to pay the amount of any present or future such tax in addition to the price specified in each Order, unless Buyer, at the time of sale, provides Seller with all tax-exemption certificates required by taxing authorities. If Seller has any cause to question Buyer's ability to perform, Seller may demand such assurances of Buyer's performance as Seller deems necessary in its discretion, including payment in advance for all shipments. If (A) Buyer fails to provide Seller with such assurance within ten (10) calendar days of Seller's demand, or (B) Buyer is declared bankrupt or insolvent or any proceeding is brought against Buyer, voluntarily or involuntarily, under any bankruptcy or insolvency laws, or (C) Buyer fails to make payment for Goods or Services when due, Seller may suspend its performance, cancel any Order then outstanding, receive reimbursement for its reasonable and proper cancellation charges and collect any sums due and owing, its reasonable cancellation charges and all damages resulting from Buyer's default. Additionally, if Buyer fails to make payment for Goods or Services when due, Buyer's account will be deemed delinquent and Buyer will be liable to Seller for a service charge of eighteen percent (18%) per annum or the maximum allowed by law, whichever is greater, on any unpaid amount. Buyer will be liable to Seller for all costs and expenses of collection, including court costs and reasonable attorneys' fees.

6. CANCELLATION, CHANGES AND RETURNS. If Buyer properly requests a cancellation, change, or return, Seller may, at its option: (A) charge Buyer for any costs Seller incurred prior to or because of such cancellation, change, or return; (B) revise its prices and delivery dates to reflect such change; and/or (C) accept returned Goods for credit if, in Seller's sole discretion, it finds such Goods to be standard stock and in good condition. The credit will be the invoice price less twenty-five percent (25%), along with shipping and handling charges to be determined by Seller. All returned Goods must be securely packed by Buyer to ensure that returned material is not damaged during shipment. All returns must be accompanied by a Return Materials Authorization ("RMA") issued by Seller explaining the nature of the problem, which can be obtained by written request to Seller's Sales Department.

7. FORCE MAJEURE; DEFERRED DELIVERY. Seller will not be liable for any expense, loss, or damage resulting from delay in delivery or prevention of performance caused by any event beyond Seller's reasonable control ("Force Majeure"), including but not limited to: fire; flood; storm; act of God; strike, labor dispute or labor shortage; lack of or inability to obtain materials, fuels, supplies, or equipment; civil unrest or riot; pandemic; accident; transportation delay or

shortage; act or failure to act of Buyer or any government; or any other cause whatsoever, provided that such cause is beyond Seller's reasonable control. Seller will have such additional time for performance as reasonably necessary under the circumstances and may adjust the price to reflect increases caused by Force Majeure. Buyer's acceptance of any Goods will constitute Buyer's waiver of any claim for damages for delay in delivery of such Goods. If delivery is delayed or interrupted by Force Majeure, Seller may store the Goods at Buyer's expense and risk and charge Buyer a reasonable storage rate. If Seller is delayed because it is awaiting Buyer's approval or acceptance of designs, drawings, prints, or engineering or technical data, or is awaiting Buyer's approval or acceptance of Goods, Seller will be entitled to a price adjustment equal to increase in Seller's production costs and all other losses and expenses incurred by Seller because of such delays. If Buyer requests and Seller approves in writing a deferred delivery on any Order, Seller may charge Buyer for the completed portion of the Order and warehouse all completed Goods at Buyer's expense and risk of loss. As to any uncompleted portion of the Order, Seller may, at its option, cancel the uncompleted portion under Section 5 above or revise its prices and delivery schedules on the uncompleted portion to reflect its increased costs and expenses attributable to the delay.

8. WARRANTY; PATENTS. Warranty as to Services: Seller warrants that the Services will be performed in accordance with generally accepted industry standards and practices by competent personnel. If any Services fail to comply with this standard and Buyer provides notice of such non-compliance within ninety (90) days from the date such Services were performed, Seller will, at its option, either re-perform such Services at no additional charge or refund to Buyer all fees paid by Buyer with respect to such non-complying Services. The foregoing remedies are the exclusive remedies for any breach of Seller's warranty of Services. Warranty as to Goods: Seller warrants that Goods will be of the kind described in this Agreement and free from defects in material and workmanship under conditions of normal use for a period of one (1) year from the date of purchase. Seller reserves the right to make any modifications required by production conditions to information set forth in Seller's catalogues and advertising literature. Seller will not be liable or responsible for (A) any defects attributed to normal wear and tear, erosion or corrosion, improper storage, use, installation, or maintenance, modification, alteration, or misuse or use of Goods with incompatible products, or (B) defects in any part of Goods manufactured by others. If (B) above is applicable, Seller will, as an accommodation to Buyer, assign to Buyer any warranties given to it by any such other manufacturers; provided, however, that the foregoing will not extend Seller's warranty to any accessory products unless Seller specifically agrees in writing. All warranties are void if Goods are modified or used in conjunction with products or accessories not manufactured or approved by Seller or which are incompatible with Goods. This warranty does not cover failure of any part manufactured by others, failure of any part from external forces, including but not limited to corrosive soils, earthquake, installation, vandalism, vehicular or other impact, or other Force Majeure. Any claim by Buyer with reference to Goods for any cause will be deemed waived by Buyer unless submitted to Seller in writing within ten (10) calendar days from the date Buyer discovered, or should have discovered, any claimed breach. Buyer will give Seller an opportunity to investigate. If Buyer furnishes prompt notice to Seller of any defect and an opportunity to inspect the alleged defect as provided above, Seller will, in its sole discretion, either: (i) repair the defective or nonconforming Goods; (ii) replace nonconforming Goods, or part thereof, which are sent to Seller by Buyer within sixty (60) calendar days after receipt of the Goods at Buyer's plant or storage facilities; or (iii) if Seller is unable or chooses not to repair or replace, return the purchase price paid and cancel any obligation to pay unpaid portions of the purchase price of nonconforming Goods. In no event will any obligation to pay or refund exceed the purchase price paid. Repair and/

or replacement as provided above will be shipped EXW (Ex-Works) Seller's facility (Incoterms® 2020) unless otherwise agreed in writing by Seller. Buyer will prepay all transportation charges for return of all or part of Goods to Seller, unless otherwise agreed in writing by Seller. Seller will not be responsible for any labor, removal, or installation charges that may result from repair and/or replacement of any Goods. Buyer's exclusive remedy and Seller's sole liability for any loss, damage, injury, or expense of any kind arising from manufacture, delivery, sale, installation, use, or shipment of Goods will be, at Seller's option, the remedies described above, whether based on contract, warranty, tort, or any other basis of recovery. If any claim is made against Buyer based on a claim that any Goods constitute an infringement of any U.S. Letter Patent, Buyer will notify Seller immediately. Seller may, with Buyer's assistance, if required, but at Seller's expense, conduct settlement negotiations or defense of any litigation. If any Goods are held to infringe any U.S. Letter Patent, and their use is enjoined, or, if as a result of a settlement, Seller deems their continued use inadvisable and provided that Buyer has given Seller the immediate notice required above and has used Goods only in accordance with the provisions of this Agreement and has not altered or changed them in any material way, Seller will, at its option and expense, procure for Buyer the right to continue using Goods, modify Goods so that they become non-infringing, replace Goods with non-infringing Goods of substantially equal quality, or replace Goods and refund the purchase price, less reasonable depreciation. The above is intended as a complete allocation of risks between the parties, including without limitation liability for patent infringement. Because this Agreement and the price paid reflect such allocation, this limitation will not have failed of its essential purpose even if it operates to bar recovery for such consequential damages.

9. LIMITATION OF LIABILITY. THE WARRANTIES IN SECTION 8 ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED BY LAW OR STATUTE OR ARISING FROM TRADE USAGE OR COURSE OF DEALING. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), OR STRICT LIABILITY, WILL SELLER BE LIABLE FOR ANY PUNITIVE, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFIT, LOSS OF USE OF GOODS OR OTHER PROPERTY OR EQUIPMENT, DAMAGE TO OTHER PROPERTY, COST OF CAPITAL, COST OF SUBSTITUTE GOODS, DOWNTIME, OR CLAIMS OF BUYER'S CUSTOMERS FOR ANY OF THE AFORESAID DAMAGES, EVEN IF BUYER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BUYER UNDERSTANDS THAT IT WILL NOT BE ABLE TO RECOVER CONSEQUENTIAL DAMAGES EVEN THOUGH IT MAY SUFFER SUCH DAMAGES IN SUBSTANTIAL AMOUNTS. SELLER WILL NOT BE LIABLE, AND BUYER AGREES TO INDEMNIFY SELLER, FOR ALL PERSONAL INJURY, PROPERTY DAMAGE, AND OTHER LIABILITY RESULTING IN WHOLE OR PART FROM BUYER'S NEGLIGENCE OR WILLFUL MISCONDUCT. NO CLAIMS OF ANY KIND, WHETHER BASED ON CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE, MAY BE BROUGHT AGAINST SELLER MORE THAN TWENTY-FOUR (24) MONTHS AFTER DELIVERY OF GOODS TO BUYER. In any contract by Buyer for resale of Goods, Buyer will effectively disclaim, as against Seller, any implied warranty of merchantability and all liability for property damage or personal injury resulting from handling, possession, or use of Goods, and will exclude, as against Seller, any liability for special or consequential damages.

10. CONTROLLING LAW; CONSENT TO VENUE; DISPUTE RESOLUTION. This Agreement and all rights and obligations hereunder will be governed by, and construed in accordance with, the laws of the State of Delaware, without regard to its conflicts of law provisions. The United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement.

All disputes, claims, and controversies ("Dispute") between the parties arising out of or relating to this Agreement, including but not limited to Disputes based on or arising from an alleged tort, will be resolved by binding arbitration in accordance with Title 9 of the U.S. Code and the Commercial Arbitration Rules of the American Arbitration Association ("AAA"). Disputes will be arbitrated in Wilmington, Delaware. Defenses based on statutes of limitation and similar doctrines will be applicable in any such proceeding, and commencement of an arbitration proceeding under this Agreement will be deemed commencement of an action for such purposes. The parties will select arbitrators in accordance with the Commercial Arbitration Rules of the AAA. The AAA will designate a panel of ten (10) potential arbitrators knowledgeable in the subject matter of the Dispute. Seller and Buyer will each designate, within thirty (30) calendar days of receipt of the list of potential arbitrators, one of the potential arbitrators to serve, and the two arbitrators so designated will select a third arbitrator from the eight remaining candidates. No Dispute will be arbitrated as a class action, representative or general public action, collective action, private attorney-general action, or otherwise be joined with claims of any other person ("Collective Proceedings"). Accordingly, AAA's Supplementary Rules for Class Arbitrations will not be applicable. If this limitation on Collective Proceedings is held by an arbitrator or court of competent jurisdiction to be unenforceable or interpreted to not prevent a Collective Proceeding, then such action will proceed in a court of law as provided below and not arbitration. If any arbitrator renders a decision regarding the question of arbitrability of the above limitation or orders any form of Collective Proceeding, then the arbitrator has exceeded its powers under the Federal Arbitration Act. Notwithstanding the foregoing, Seller reserves the right to resolve or bring any Dispute in a court of competent jurisdiction in the state or federal courts of Delaware and the parties agree that, except when the Dispute is arbitrated, the exclusive venue for all Disputes between the parties will be the state and federal courts of Delaware, to which jurisdiction each party hereby irrevocably submits. Each party waives any objection or defense that it is not personally subject to jurisdiction of the state and federal courts of Delaware; that venue of the action is improper; and that the action, suit, or proceeding is brought in an inconvenient forum. In addition to any other mode of service of process authorized by law, each party consents to service of process by registered or certified mail. EACH PARTY EXPRESSLY WAIVES ALL RIGHTS IT MAY HAVE TO A TRIAL BY JURY.

11. COMPLIANCE WITH LAWS. Each party represents and warrants, in connection with transactions contemplated by this Agreement, and any other agreement contemplated by or entered into pursuant to this Agreement, that it will comply with all applicable federal, state and local laws, codes, regulations, orders, and ordinances, including but not limited to all applicable: (A) laws and regulations regarding export controls, economic sanctions, trade embargoes, anti-boycott restrictions and anti-corruption laws, including but not limited to the U.S. Foreign Corrupt Practices Act (as amended), and the United Kingdom Bribery Act ("Applicable International Trade and Anti-Corruption Laws"); (B) laws and regulations addressing human trafficking and slavery; and (C) equal employment opportunity laws, regulations, and requirements, including but not limited to those set forth in U.S. Executive Order 11246, the U.S. Rehabilitation Act of 1973, as amended, and the U.S. Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended, and other laws and regulations prohibiting discrimination against any person because of veteran status, disability, race, creed, color, national origin, religion, age or sex in any term or condition of employment, all of which are incorporated by reference into this Agreement. Specifically, Seller and its subcontractors and vendors will abide by the requirements of 41 C.F.R. §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, sex, or

national origin, and require that covered prime contractors, and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status, or disability. Each party acknowledges and confirms that it and its officers, directors, employees, agents, contractors, designees, and/or any other party acting on its behalf ("Related Parties") are familiar with the provisions of Applicable International Trade and Anti-Corruption Laws. Each party agrees to indemnify, defend, and hold harmless the other party and its employees from and against all claims, demands, costs, penalties, and fines arising in connection with any alleged breach by the indemnifying party or any of its Related Parties of this Section. Seller may terminate this Agreement entirely, without liability to Buyer, if Seller believes in good faith that Buyer or any of its Related Parties has violated or intends to violate this Section.

12. INDEMNITY AND INSURANCE. In the event that Seller is performing Services on Buyer's property, Seller agrees to be responsible to the fullest extent permitted by applicable law to indemnify, defend and hold Buyer harmless from and against claims, losses, suits, damages, liabilities, settlements, expenses and costs (including without limitation reasonable attorneys' fees and other costs of litigation) arising from sickness, disease, death or bodily injury ("Injuries") and injury to property of others to the extent arising out of Seller's negligence or willful misconduct in performing Services. Seller will maintain and require its subcontractors to maintain insurance coverage (under an "occurrence" policy form) evidencing the following:

- a. Commercial General Liability Insurance of \$1,000,000 per occurrence and \$2,000,000 annual aggregate covering bodily injury and property damage arising out of Seller's activities at Buyer's site and including \$1,000,000 Personal and Advertising Injury and \$2,000,000 Products/Completed Operations coverage;
- b. Automobile Liability Insurance with a combined single limit of \$1,000,000;
- c. Employers Liability Insurance with limits of \$1,000,000 each accident/ \$1,000,000 each employee/ \$1,000,000 each disease;
- d. Umbrella/Excess Insurance covering the insurance provided in (a), (b) and (c) above with limits of \$4,000,000 per occurrence and aggregate; and
- e. Workers Compensation Insurance with statutory limits.

Upon request, Seller will furnish Buyer with certificates of insurance in the standard ACORD form evidencing the above coverages and including a statement that notice of cancellation will be provided in accordance with policy provisions.

13. MISCELLANEOUS.

(A) No waiver of any provision, right or remedy contained in this Agreement, including the terms of this Section 13(A), is binding on or effective against a party unless expressly stated in writing and signed by such party's authorized representative. Each party agrees that no right or remedy provided for in this Agreement can be waived through course of dealing, course of performance or trade usage and that reliance on any waiver without the other party's written consent is unreasonable. Waiver by a party of any breach will be limited to the specific breach so waived and will not be construed as a waiver of any subsequent breach. A party's approval or consent to any action proposed by the other will not be considered an agreement to the propriety, fitness, or usefulness of the proposed action, and will not affect the proposing party's obligation to strictly comply with this Agreement and all related Orders.

(B) Subject to Buyer's payment under this Agreement and any Order, Seller will pay, satisfy, and discharge all mechanics', suppliers', materialmen's, and other liens and all claims, obligations, and liabilities which may be asserted against Buyer or its property by reason of, or as a result of, Seller's acts or omissions

relating to furnishing of Goods or performance of Services.

(C) Buyer may not assign this Agreement or any rights or obligations hereunder without Seller's prior written consent. Any attempted assignment in violation of this Section is void; however, this Agreement and the Terms and Conditions of Sale and Service contained herein are enforceable against Buyer's successors and permitted assigns.

(D) Seller's remedies in this Agreement are cumulative and in addition to any other remedies available to Seller, whether at law, equity, or otherwise.

(E) If any provision or part of a provision contained in this Agreement is held by a court of competent jurisdiction to be contrary to law or public policy, the remaining provisions of the Agreement will remain in full force and effect.

(F) Each party is an independent contractor with respect to this Agreement and not an agent or employee of the other party.

(G) Any notice, request, demand, or other communication from one party to the other required or permitted to be given under this Agreement will be sent to the address for each party indicated on the applicable Order and (i) delivered in person; (ii) sent by overnight service (signature required); or (iii) sent via email with confirmation of delivery. All notices will be effect on the date of receipt. Parties may change such notice addresses upon written notice to the other party. In the case of notice to Seller, please also send a copy to:

Janus Fire Systems
2900 Hwy 280 S, Suite 250
Birmingham, AL 35223
Attn: General Counsel

(H) No provision of this Agreement may be construed against either party as the drafting party. The English language version of this Agreement will govern over any translations.

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