



PRODUCT INFORMATION

VALVE ACCESSORIES



ROSS CONTROLS

SILENCERS							
Port Size	Thread Type	Model Number		Avg. C _v	Dimensions inches (mm)		Weight lb (kg)
		NPT Threads	R/Rp Threads		Length	Width	
1/8	Male	5500A1003	D5500A1003	1.2	0.9 (21)	2.0 (51)	0.1 (0.1)
1/4	Male	5500A2003	D5500A2003	2.1	0.9 (21)	2.2 (55)	0.1 (0.1)
3/8	Male	5500A3013	D5500A3013	2.7	0.9 (21)	2.2 (55)	0.1 (0.1)
		5500A3003	D5500A3003	4.3	1.3 (32)	3.5 (88)	0.2 (0.1)
1/2	Male	5500A4003	D5500A4003	4.7	1.3 (32)	3.6 (91)	0.2 (0.1)
3/4	Male	5500A5013	D5500A5013	5.1	1.3 (32)	3.6 (92)	0.2 (0.1)
		5500A5003	D5500A5003	11.5	2.0 (51)	5.3 (135)	0.6 (0.3)
1	Male	5500A6003	D5500A6003	14.6	2.0 (51)	5.4 (138)	0.6 (0.3)
1¼	Male	5500A7013	D5500A7013	16.4	2.0 (51)	5.5 (140)	0.6 (0.3)
	Female	5500A7001	D5500A7001	24	2.5 (64)	5.7 (144)	1.0 (0.5)
1½	Female	5500A8001	D5500A8001	29.9	2.5 (64)	5.7 (144)	1.0 (0.5)
2	Female	5500B9001	D5500B9001	34.2	3.0 (76)	6.6 (168)	1.5 (0.7)
2½	Female	5500A9002	D5500A9002	103.7	4.0 (102)	5.7 (145)	2.9 (1.4)

Pressure Range: 0 to 290 psig (0 to 20 bar) maximum. **Flow Media:** Filtered air.



Port size
1/8 thru 2



Port size 2½



Stainless Steel SILENCERS								
Port Size	Thread Type	Model Number		Avg. C _v	Dimensions inches (mm)		Weight lb (kg)	Construction
		NPT Threads	R/Rp Threads		Length	Width		
1/4	Male	5500B2004	D5500B2004	1.44	1.75 (44.5)	0.56 (14.2)	0.05 (0.23)	Stainless steel
1/2	Male	5500B4004	D5500B4004	3.01	2.75 (69.7)	0.87 (22.1)	0.25 (0.11)	
1	Male	5500B6004	D5500B6004	10.41	3.87 (98.3)	1.31 (33.3)	0.45 (0.20)	NPT - Stainless steel
2	Male	5500A9004	D5500A9004	28.11	5.50 (139.7)	2.37 (60.2)	1.5 (0.68)	R - Nickel plated cold rolled steel Nickel plated cold rolled steel

Supplied with a standard pipe thread fitting for attaching directly to the exhaust ports of air-operated equipment.
Pressure Range: 0 to 175 psig (0 to 12.3 bar) maximum. **Flow Media:** Filtered air.

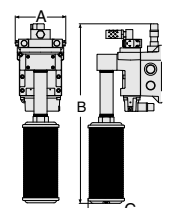


SILENCERS for Stainless Steel L-O-X® Air Entry Assemblies							
Port Size	Thread Type	Model Number		Avg. C _v	Dimensions inches (mm)		Description
		NPT Threads	BSP Threads		Length	Width	
1/4	Male	5500A2005	D5500A2005	1.5	1.50 (38)	0.67 (17)	Pressure Range: 0 to 125 psig (0 to 8.6 bar) maximum. Seals: Nitrile.
1/2	Male	5500A4005	D5500A4005	3.5	2.17 (55)	0.94 (24)	
1	Male	5500A6005	D5500A6005	5.7	2.95 (75)	1.41 (36)	



Noise-Reduction SILENCERS for DM ¹ & DM ² ® Series C Double Valves								
Valve Model	Basic Size	Kit Number*		Flow scfm	Dimensions inches (mm)			
		NPT Threads	R/Rp Threads		A	B (NPT)	B (R)	C
DM Series C	2	2324H77	2329H77	800 (378)	4.34 (110.2)	19.06 (484.1)	21.40 (543.6)	7.27 (184.7)
	4	2324H77	2329H77	800 (378)	4.34 (110.2)	19.06 (484.1)	21.40 (543.6)	7.27 (184.7)
	8	2325H77	2329H77	800 (378)	5.41 (137.4)	21.18 (538.0)	23.52 (597.4)	8.41 (213.6)
	12	2326H77	2330H77	2080 (982)	6.74 (117.2)	25.85 (656.6)	28.20 (716.3)	10.66 (270.8)
	30	2327H77	2331H77	7200 (3398)	9.85 (250.2)	41.55 (1055.4)	41.55 (1055.4)	13.47 (342.1)

Pressure Range: 125 psig (8.6 bar) maximum.
* Kits include all plumbing required for installation.
Reduces the Exponentially Perceived Noise (EPNdB), Impact noise reduction in the 35–40 dB range
Recommended for air exhaust applications for pressures up to 125 psig (8.6 bar)
Pressure Range – 125 psig (8.6 bar) maximum



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845/3-4 หมู่ 3 ถ.เทพารักษ์ ต.เทพารักษ์ อ.เมือง จ.สมุทรปราการ 10270
845/3-4 Thepharak RD., T.Thepharak, A.Muang, Samutprakarn 10270 THAILAND
Tel. 0 2384 6060, Fax 0 2384 5701, Email : sales@flutech.co.th, www.flutech.co.th

Noise-Reduction SILENCERS for DM ² ® Series D Double Valves						Description
Valve Basic Size	Thread Type	Kit Number*#	Flow scfm	Dimensions inches (mm)		
				Height	Width	
4	NPT	2324H77	800 (378)	19.1 (484)	4.4 (110)	Reduces the Exponentially Perceived Noise (EPNdB), Impact noise reduction in the 35–40 dB range Recommended for air exhaust applications for pressures up to 125 psig (8.6 bar) Pressure Range – 125 psig (8.6 bar) maximum
	BSPT	2329H77	800 (378)	21.4 (544)	4.4 (110)	
8	NPT	2325H77	800 (378)	21.2 (538)	5.4 (138)	
	BSPT	2330H77	800 (378)	23.5 (598)	5.4 (138)	
12	NPT	2326H77	2080 (982)	25.9 (657)	6.8 (117)	
	BSPT	2331H77	2080 (982)	28.2 (716)	6.8 (117)	
30	NPT	2327H77	7200 (3398)	41.6 (1056)	9.9 (250)	
	BSPT	2332H77				

* Kits include all plumbing required for installation.
Exhaust flange kit required, see below ordering information.



Exhaust Flange Kits for Noise Reduction Silencers	Valve Basic Size	Port Size	Kit Number		Used when installing noise reduction silencers
			NPT Threads	G Threads	
	4	1	726B25	D276B25	
8	1	617B25	D617B25		
12	1½	619B25	D619B25		
30	2½	621B25	D621B25		

Electrical CONNECTORS & CORD Sets

Connection Type	EN 175301-803 Connector		Fitting Connection	Cord Type/Termination		Length meters (feet)	Cord Diameter	Model Number			Cord Quantity	
	Option	Form		End 1	End 2			Without Light	Lighted Connector			
									24 V DC	120 V AC		
Solenoid	Connector Only	A	–	–	–	–	–	937K87	936K87-W	936K87-Z	–	
			1/2" NPT conduit	–	–	–	–	723K77	724K77-W	724K77-Z	–	
		B	–	–	–	–	–	372K77	328K77-W	328K77-Z	–	
		C	–	–	–	–	–	2452K77	2453K77-W	2453K77-Z	–	
	Prewired Connector	A	–	Connector	Flying leads	2 (6.5)	6-mm	721K77	720K77-W	720K77-Z	1	
						10-mm	371K77	383K77-W	383K77-Z	1		
				5 (16.4)	–	2243H77	–	–	2			
				10 (32.8)	–	2244H77	–	–	2			
		B	–	Connector	Flying leads	2 (6.5)	10-mm	266K77	267K77-W	267K77-Z	1	
						3 (10)	8-mm	2449K77	2450K77-W	2450K77-Z	1	
			C	–	Connector	Flying leads	2 (6.5)	5-mm	–	2476K77-W	2476K77-Z	1
							3 (10)	8-mm	–	2450K77-W	2450K77-Z	1

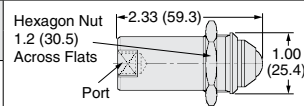


CAUTIONS: Do not use electrical connectors with surge suppressors, as this may increase valve response time when de-actuating the solenoids.

PRESSURE Indicators

H Pop-Up (Visual) Indicator	Model Number	Port Threads	May be installed on all valves with pressure sensing port. Provides a means to verify the release of downstream pressure to next obstruction.
	988A30	1/8 NPT	



Stainless Steel Visual Indicator	Model Number	Port Threads	Dimensions inches (mm)		Weight lb (kg)	
	1155H30	1/8 NPT	A	B	0.22 (0.1)	



316 Stainless Steel Body, Internals and Springs, Nitrile Seals
Visual Indicator piston, Acetal; Visual Indicator assembly, Acetal with acrylic lens

Status Indicator	Model Number	The Status Indicator pressure switch actuates when the valve is in a ready-to-run condition and de-actuates when the valve is in a lockout condition or when the inlet air pressure has been removed.
	670B94	

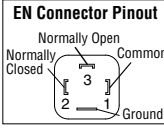
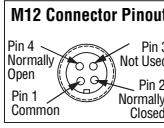



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PRESSURE SWITCHES For Verification Of Downstream Pressure Release

Pressure Switch Type	Connection Type	Model Number	Port Threads
Pressure Switches (Electrical) for Energy Release Verification	EN 175301-803 Form A	586A86	1/8 NPT
	M12	1153A30	
Redundant Downstream Feedback Switch for Energy Release Verification	EN 175301-803 Form A	RC026-13	3/8 NPT



Factory preset, 5 psi (0.3) - falling



May be installed on all valves with pressure sensing port.
Provides means to verify the release of downstream pressure to next obstruction.

Stainless Steel Pressure Switch	Inlet Port Size	Model Number	Weight lb (kg)
	1/8	1162A30	0.23 (.01)

316 Stainless Steel Body, Nitrile Seals, DPDT (Double-Pole Double-Throw Switch)
Factory preset 5 psi (falling)



NPT port threads.

1 Red/White Circuit 1

4 Red/Yellow Circuit 2

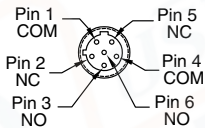
2 All Red

3 Green

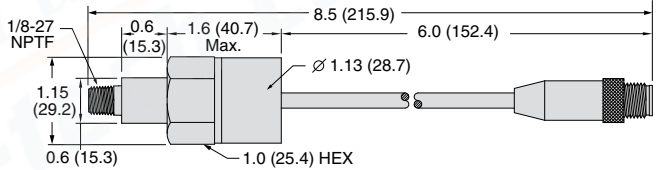
5 Red/Black

6 Red/Blue

Pin Configuration



Pin 1 COM
Pin 2 NC
Pin 3 NO
Pin 4 COM
Pin 5 NC
Pin 6 NO

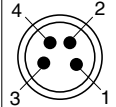


Digital PRESSURE TRANSDUCER For Digital Pressure Readout

Digital Pressure Transducer	Threads	Model Number	Pressure Range psig (bar)	Description			
				Electrical Output	Electrical Connection	Pressure Port Size/Type	Weight lb (Kg)
	NPT	760B94	0 (0) to 145 (10)	(1) PNP with (1) 4-20ma	M8, 4 Pin	1/8 NPT male	0.099 (0.045)
G	D760B94						

Analog 4-20mA Output, and Transistor Switching Output.

Sensor Pinout with Analog Output



Wire Colors

- 1 - Brown - 24 VDC
- 2 - White - 4 to 20mA
- 3 - Blue - 0 VDC
- 4 - Black PNP Open Collector Output 1



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Pressure GAUGES

	Type/Material	Port Size	Model Number		Pressure Range psig (bar)	Case Diameter inches (mm)
			NPT Threads	G Threads		
Pressure Gauges (Center Back Mounting)	Standard Aluminum	1/8	5400A1002	D5400A1002	0-160 (0-11)	1.7 (43)
		1/4	5400A2010	D5400A2010	0-60 (0-4)	2.0 (51)
		1/4	5400A2011	D5400A2011	0-200 (0-14)	2.0 (51)
		1/4	5400A2012	D5400A2012	0-300 (0-20)	2.0 (51)
	Liquid Filled Stainless Steel	1/4	5400A2014	D5400A2014	0-160 (0-11)	2.5 (64)
		1/4	5400A2015*	D5400A2015*	0-160 (0-11)	2.0 (51)

* Green shade between 40-70 psi (2.7-4.8 bar).




Multiple Lock-out Device

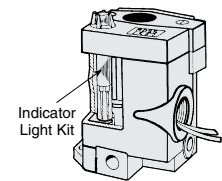
Model Number	Description
356A30	For use with any ROSS model valve with L-O-X® capability. Allows use of multiple lockout devices on a single energy isolation device.






INDICATOR Light Kits for valves with Solenoid Controlled Pacer Pilot

Indicator Light Kits for 27 & 21 Series and SV27 & SV27 PO Check Valves	Kit Number			Indicator Light 
	24 volts DC	110-120 volts AC 50-60 Hz	220 volts 50-60 Hz	
	862K87-W	862K87-Z	862K87-Y	

To visually verify valve operation indicator lights are available in kit form. The indicator light extends through the solenoid or pilot cover and is illuminated when the solenoid is energized. Such lights are standard on double solenoid valves. Indicator light kit is available for single solenoid models.



Manual Override Kits	Flush Button			Extended Button			Extended Button with Palm		
	Locking Type	Kit Number		Locking Type	Kit Number		Locking Type	Kit Number	
	Non-Locking	790K87		Non-Locking	791K87		Non-Locking	984H87	
Locking	792K87	Locking	—	Locking	—				

Flush flexible manual overrides are standard on single solenoid models. Double solenoid models have flush metal-button overrides. Both types are non-locking. Each of the buttons in the override kits below is made of metal and is spring-returned. The locking type button, however, can be kept in the actuated position by turning the slot in the top of the button with a screwdriver.

CONNECTORS & CORD Sets

Connection Type	Connector Option	Connector Form	Fitting Connection	Cord Type/Termination		Length meters (feet)	Cord Diameter	Model Number		Cord Quantity
				End 1	End 2			Without Light	Lighted Connector 24 Volts DC	
Solenoid	Connector Only	EN 175301-803 Form A	1/2" NPT conduit	-	-	-	-	937K87	936K87-W	-
				-	-	-	-	723K77	724K77-W	-
	Prewired Connector	EN 175301-803 Form A	-	Connector	Flying leads	2 (6.5)	6-mm	721K77	720K77-W	1
						5 (16.4)	-	2243H77	-	2
						10 (32.8)	-	2244H77	-	2
Sensor	Prewired Connector	M12 5-pin, straight A-coded	-	Female	Flying leads	5 (16.4)	-	2644B77	-	2
					Male	5 (16.4)	-	2645B77	-	2
					Flying leads	10 (32.8)	-	2370B77	-	2
					Male	10 (32.8)	-	2371B77	-	2



CAUTIONS: Do not use electrical connectors with surge suppressors, as this may increase valve response time when de-actuating the solenoids.

