

SAFE RETURN DOUBLE VALVES CROSSMIRROR® CM26 SERIES

PRODUCT CATALOG



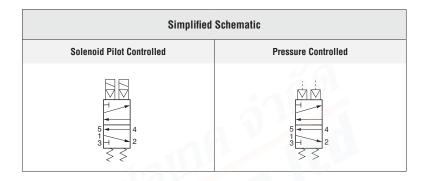


Control Reliable CrossMirror® Double Valves CM26 Series Product Overview



Safe Return Safety Function

This valve is constructed with precision, stainless steel spools as the main valve elements, and is designed to offer added safety to the operation of many pneumatically controlled machines such as small size pneumatic cylinder-operated presses, valve operators, and safety latches.



The valve has a self-contained monitoring system, requires no additional monitoring and is designed for Category 4, Performance Level e applications. Upon detecting a fault due to discordant spool valve action, the valve locks out and remains so until an overt reset signal (electrical solenoid or remote pneumatic) is applied. This prevents unintentional reset and further bolsters safety. The optional pressure switch provides valuable feedback to the operator regarding whether or not the valve is in "ready-to-run" condition.

	VALVE FEATURES
Dynamic Monitoring	Self-contained dynamic monitoring system requires no additional valve monitoring controls
Valve Reset	Dedicated reset; requires an overt act to reset unit after lockout
Spool Type Design	Dual stainless steel spools construction
Status Indicator Option	Status indication switch (ready-to-run) to inform machine controller of valve condition The Pressure switch provides a signal when valve is in a faulted position
Mounting	Base mounted; manifoldable for multi-valve applications
SISTEMA Library	Available for download at rosscontrols.com

Meets Standards EN13736 and ANSI B11.2, Safety requirements for Pneumatic Cylinder Presses and other hazardous pneumatic cylinder applications.

These valves are not designed for controlling clutch/brake mechanisms on mechanical power presses.

	PRODUCT CREDENTIALS								
Safety Category	DGUV (German Social Accident Insurance)	CE Conformity Declaration	EAC Conformity Declaration	ISO Standard	CSA Certificate of Compliance				
Cat. 4 SIL 3 Functional Safety	ross 1920 on Sicret delay tested delay	C€	ERC	ISO 13849-1:2015	c us				



Specifications



	Function		4-way, 5/2 Valve		
	Construction Design		Double Spool and Sleeve		
	Actuation		Electrical – Solenoid Pilot Controlled Pneumatic – Pressure Controlled		
GENERAL	Mounting	Туре	Base; Manifold		
ULNLIIAL	woulding	Orientation	Any, preferably vertical		
	Connection		Threaded; G, NPT		
	Monitoring		Dynamically, cyclically, internally during each actuating and de-actuating movement Monitoring function has memory and requires an overt act to reset unit after lockout		
	Minimum Operation Frequency	uency	Once per month, to ensure proper function		
	Tomporeture	Ambient	40° to 122°F (4° to 50°C)	3711	
	Temperature	Media	40° to 175°F (4° to 80°C)		
	Flow Media		Filtered air	- 61 Y / 24 M	
ODEDATINO	Operating Pressure	Solenoid Pilot Controlled Pressure Controlled	40 to 150 psig (3 to 10 bar)	Ulli Ire	
OPERATING CONDITIONS	Pilot Pressure		Must be equal to or greater that pressure	n inlet pressure but should not exceed maximum inlet	
		Solenoid Reset	Units with solenoid reset include reset valve after lock-out condi-	le a $3/2$ solenoid valve. Energize this solenoid momentarily tion occurs.	
	Valve Reset	Remote Re <mark>se</mark> t	Remote signal to be supplied by customer's 3/2 valve (connect remote signal line to remote RESET port in valve). Apply signal momentarily to reset valve after fault condition occurs.		
	NOTE: Main solenoids must		be off when performing reset procedure.		
ELECTRICAL DATA FOR		Solenoid Pilot Controlled	5 amps at 30 volts DC 5 amps at 250 volts AC		
PRESSURE	Switch Current/Voltage	Pressure Controlled	0.1 A, 125/250 volts AC; 0.1 A,	30 volts DC; 0.3 A, 60 volts DC	
SWITCH	Tressure Controlled		Pressure Switch signal indicate	s when the input signals or parts movement is asynchronou	
	Solenoids		AC or DC power; Rated for cont	inuous duty	
	Operating Voltage		24 volts DC 110-120 volts AC, 50/60 Hz 220 volts AC, 50/60 Hz		
ELECTRICAL DATA FOR SOLENOID PILOT	Power Consumption	Basic Size 0	24 V DC - 1.5 watts 110-120 V AC - 1.7 watts 220 V AC - 5.0 VA		
CONTROLLED VALVES	(each solenoid)	Basic Size 2	24 V DC – 5.8 watts nominal, 6.5 watts maximum 110-120 V AC – 5.8 watts nominal, 6.5 watts maximum 220 V AC – 5.8 watts nominal, 6.5 watts maximum		
	Enclosure Rating		DIN 400 50 IP 65		
	Flootwine! Commandian	Basic Size 0	DIN EN 175301-803 Form C		
	Electrical Connection	Basic Size 2	DIN EN 175301-803 Form A		
	Valve Body		Cast Aluminum		
CONSTRUCTION	Poppet		Stainless Steel		
MATERIAL	Seals		Buna-N		
	Safety Integrity Level (SIL)		Certified by TÜV Rheinland in ac (SIL 2) and EN ISO 13849-1, PL	ccordance to IEC 61508 and IEC 61511 safety integrity level c (with application specific diagnosis) in singular applicatio e in redundant application with HFT≥1, for details see	
SAFETY DATA			Category	CAT 4, PL e	
			B _{10D}	20,000,000	
	Functional Safety Data		PFH _D	7.71x10 ⁻⁹	
			MTTF _D	301.9 (n _{oo} : 662400)	
	Vibration/Impact Resista	nce	Calculated to DIN EN 60068-2-		
	vibration/impact nesista		Galculated to DIN EN 00000-2-	<u> </u>	

4-Way 2-Position Valves

VALVES WITH BASE

Port	Sizes	B '-			Model Number #									
4	0.4	Basic Size	Reset	G Thread				NPT Thread						
١.	2, 4			24 V DC	110-120 V AC	230 V AC	24 V DC	110-120 V AC	230 V AC					
4 / 4	1/4	_	Remote	CM26PDA00A11	CM26PDA00B11	-	CM26PNA00A11	CM26PNA00B11	_					
1/4	1/4	0	Solenoid	CM26PDA00A21	CM26PDA00B21	-	CM26PNA00A21	CM26PNA00B21	_					
2/0	2/0	0	Remote	CM26PDA01A11	CM26PDA01B11	-	CM26PNA01A11	CM26PNA01B11	_					
3/8	3/8	3/8	0	0	0	0	0	Solenoid	CM26PDA01A21	CM26PDA01B21	-	CM26PNA01A21	CM26PNA01B21	_
1/0	1/0	_	Remote	CM26PDA22A11	CM26PDA22B11	CM26PDA22C11	CM26PNA22A11	CM26PNA22B11	CM26PNA22C11					
1/2	1/2	2	Solenoid	CM26PDA22A21	CM26PDA22B21	CM26PDA22C21	CM26PNA22A21	CM26PNA22B21	CM26PNA22C21					

With	Without Status Indicator Switch																								
Port	Port Sizes				1 6	Model N	umber #																		
4	2.4	Basic Size	Reset	set G Thread			3 60	NPT Thread																	
'	2, 4	4																		24 V DC	110-120 V AC	230 V AC	24 V DC	110-120 V AC	230 V AC
1/4	1/4	0	Remote	CM26PDA00A1X	CM26PDA00B1X		CM26PNA00A1X	CM26PNA00B1X	_																
1/4	1/4	U	Solenoid	CM26PDA00A2X	CM26PDA00B2X	_	CM26PNA00A2X	CM26PNA00B2X	_																
3/8	2/0	0	Remote	CM26PDA01A1X	CM26PDA01B1X	_	CM26PNA01A1X	CM26PNA01B1X	_																
3/0	3/8	0	Solenoid	CM26PDA01A2X	CM26PDA01B1X	_	CM26PNA01A2X	CM26PNA01B2X	_																
1/2	1/2	2	Remote	CM26PDA22A1X	CM26PDA22B1X	CM26PDA22C1X	CM26PNA22A1X	CM26PNA22B1X	CM26PNA22C1X																
1/2	1/2	2	Solenoid	CM26PDA22A2X	CM26PDA22B2X	CM26PDA22C2X	CM26PNA22A2X	CM26PNA22B2X	CM26PNA22C2X																

Status Indicator Switch	Port Sizes		Basic Size		$\mathbf{C}_{\mathbf{v}}$			Weight Ib (kg)
ounon.	1	2, 4	5000	1-2	1-4	2-3	4-5	15 (Ng)
	1/4	1/4	0	0.8	0.6	0.5	1.1	5.85 (2.7)
With	3/8	3/8	0	0.8	0.6	0.5	1.1	5.75 (2.6)
	1/2	1/2	2	3	2.5	2	3.9	14.45 (6.6)
	1/4	1/4	0	0.8	0.6	0.5	1.1	5.30 (2.4)
Without	3/8	3/8	0	0.8	0.6	0.5	1.1	5.20 (2.4)
	1/2	1/2	2	3	2.5	2	3.9	13.80 (6.3)



4-Way 2-Position Valves

Valves, Manifold Bases, and End Stations for Manifold Assemblies

In addition to the manifold, an end station kit with a check valve must be ordered for each assembly. The number of manifolds with a single supply inlet will be limited to the pressure and flow rate of the system. Too many manifolds may result in too large of an internal pressure drop resulting in valve faults. The manifold end station kit with dual inlet check will allow the manifold to be supplied with air from both ends of the assembly.

Valves Only

	Port	Sizes	Basic	Reset	Model Number #			
	1	2, 4	Size	116361	24 V DC	110-120 V AC	230 V AC	
	4 /4	1/4	0	Remote	CM26PXA0XA11	CM26PXA0XB11		
	1/4			Solenoid	CM26PXA0XA21	CM26PXA0XB21	_	
With Status Indicator Switch	3/8	0./0	0	Remote	CM26PXA0XA11	CM26PXA0XB11	- NO -	
OWITOII		3/8		Solenoid	CM26PXA0XA21	CM26PXA0XB21	-	
	1/2	1/2	2	Remote	CM26PXA2XA11	CM26PXA2XB11	CM26PXA2XC11	
			2	Solenoid	CM26PXA2XA21	CM26PXA2XB21	CM26PXA2XC21	
	# Valve in	cluda DIN F	N 175301_803	type connection 1	for M12 type connection co	angult ROSS		

[#] Valve include DIN EN 175301-803 type connection, for M12 type connection consult ROSS.

	Port Sizes		Basic	Reset	Model Number			
	1	2, 4	Size	110001	24 V DC	110-120 V AC	230 V AC	
	1/4	1/4	0	Remote	CM26PXA0XA1X	CM26PXA0XB1X	_	
Without Status Indicator	1/4	1/4		Solenoid	CM26PXA0XA2X	CM26PXA0XB2X	_	
Switch	3/8	3/8	0	Remote	CM26PXA0XA1X	CM26PXA0XB1X	_	
		3/0	U	Solenoid	CM26PXA0XA2X	CM26PXA0XB2X	_	
	1/2 1/2	1/0	2	Remote	CM26PXA2XA1X	CM26PXA2XB1X	CM26PXA2XC1X	
		1/2		Solenoid	CM26PXA2XA2X	CM26PXA2XB2X	CM26PXA2XC2X	

Manifold Bases

Po	Port Sizes		Model	Model Number	
1	2, 4	Size	G Thread	NPT Thread	
1/4	3/8	0	Y1951D91	YD1951D91	
3/8	1/2	0	Y1949D91	YD1949D91	
1/2	3/4	2	Y1955D91	YD1955D91	

End Stations

Dort	Port Sizes Pagio		Manifold End Stati	on w/ Check Valve	Dual Supply Manifold End Station w/ Check Valves		
FUIL	31269	Basic Size	Kit Nu	ımber	Kit Nu	ımber	
1	2, 4		G Thread	NPT Thread	G Thread	NPT Thread	
1/4	3/8	0	699K86	D699K86	701K86	D701K86	
3/8	1/2	0	698K86	D698K86	700K86	DS700K86	
1/2	3/4	2	702K86	D702K86	704K86	D704K86	











4-Way 2-Position Valves

VALVES WITH BASE

With Status Indicator Switch							
Port Sizes Basic		Basic	Model Numl	del Number #			
1	2, 4	Size	G Thread	NPT Thread			
1/4	1/4	0	CM26PDA00P11	CM26PNA00P11			
3/8	3/8	0	CM26PDA01P11	CM26PNA01P11			
1/2	1/2	2	CM26PDA22P11	CM26PNA22P11			

Without	Without Status Indicator Switch						
Port	Port Sizes Basic		Model Num	per#			
1	2, 4	Size	G Thread	NPT Thread			
1/4	1/4	0	CM26PDA00P1X	CM26PNA00P1X			
3/8	3/8	0	CM26PDA01P1X	CM26PNA01P1X			
1/2	1/2	2	CM26PDA22P1X	CM26PNA22P1X			

Status Indicator	Port Sizes		Basic Size		(G _v	Weight	
Switch	1	2, 4	Dusit Gize	1-2	1-4	2-3	4-5	lb (kg)
	1/4	1/4	0	0.8	0.6	0.5	1.1	6.15 (2.79)
With	3/8	3/8	0	0.8	0.6	0.5	1.1	6.05 (2.74)
	1/2	1/2	2	3	2.5	2	3.9	14.45 (6.56)
	1/4	1/4	0	0.8	0.6	0.5	1.1	5.60 (2.54)
Without	3/8	3/8	0	0.8	0.6	0.5	1.1	5.50 (2.49)
	1/2	1/2	2	3	2.5	2	3.9	13.80 (6.26)



4-Way 2-Position Valves

Valves, Manifold Bases, and End Stations for Manifold Assemblies

In addition to the manifold, an end station kit with a check valve must be ordered for each assembly. The number of manifolds with a single supply inlet will be limited to the pressure and flow rate of the system. Too many manifolds may result in too large of an internal pressure drop resulting in valve faults. The manifold end station kit with dual inlet check will allow the manifold to be supplied with air from both ends of the assembly.

Valves Only

	Port	Sizes	Basic	Model Number #
	1	1 2, 4 Size	mouti Namidat "	
With Status Indicator	1/4	1/4	0	CM26PXA0XP11
Switch	3/8	3/8	0	CM26PXA0XP11
	1/2	1/2	2	CM26PXA2XP11
	# Valve include [OIN EN 175301-80	3 type connection, for M	12 type connection consult ROSS.

	Port :	Sizes	Basic	Model Number	
Without Status Indicator	1	2, 4	Size	model Number	
Switch	1/4	1/4	0	CM26PXA0XP1X	
	3/8 3/8		0	CM26PXA0XP1X	
	1/2	1/2	2	CM26PXA2XP1X	

Manifold Bases

Po	ort Sizes	Basic	Model	Number
1	2, 4	Size	G Thread	NPT Thread
1/4	3/8	0	YD1951D91	Y1951D91
3/8	1/2	0	YD1949D91	Y1949D91
1/2	3/4	2	YD1955D91	Y1955D91

End Stations

Dort	Cizon		Manifold End Stati	on w/ Check Valve	Dual Supply Manifold End	l Station w/ Check Valves		
Pull	Port Sizes Basic Size		Kit Nu	mber	Kit Number			
1	2, 4		G Thread	NPT Thread	G Thread	NPT Thread		
1/4	3/8	0	D699K86	699K86	D701K86	701K86		
3/8	1/2	0	D698K86	698K86	D700K86	700K86		
1/2	3/4	2	D702K86	702K86	D704K86	704K86		







4-Way 2-Position Valves

Normal Operation

The valve is operated by energizing both pilot solenoids simultaneously. This causes both main valve elements to be actuated so that air from inlet port 1 flows to outlet port 4, but not to port 2. Air downstream of port 2 is exhausted through port 3.

When the solenoids are de-energized, both valve elements are de-actuated, and air then flows from inlet port 1 to outlet port 2, but no longer to outlet port 4. Air downstream of port 4 is exhausted through port 5. On first operation, or after repair, the pilot valve supply circuit and inherent monitoring elements may need to be reset.

Valve Locked-out

Whenever the valve elements operate in a sufficiently asynchronous manner, either on actuation or de-actuation, the valve will move to a locked-out position. In the locked-out position, one crossover and its related timing chamber will be exhausted, and the other crossover and its related timing chamber will be fully pressurized. The valve element (side B) that is partially actuated has pilot air available to fully actuate it, but no air pressure on the return piston to fully de-actuate the valve element. The return springs are limited in travel, and can only return the valve elements to the intermediate (locked-out) position. Sufficient air pressure acting on the return pistons is needed to return the valve elements to a fully home position.

Detecting a Malfunction

If the main valve elements are not both actuated or de-actuated synchronously, the valve defaults to the locked-out position so that outlet port 2 receives full inlet pressure, and outlet port 4 is exhausted through port 5. The valve must now be "reset" to resume normal operation.

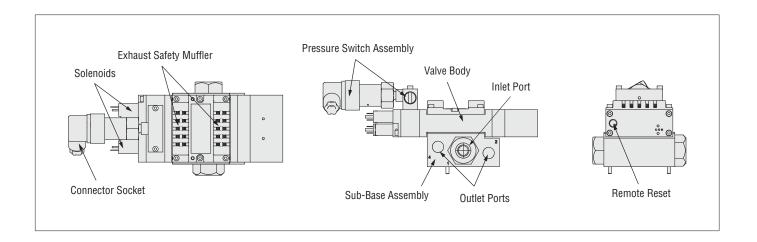
Resetting the Valve

The valve will remain in the locked-out position, even if the inlet air supply is removed and re-applied.

A remote reset signal must be applied to reset the valve. Reset is accomplished by momentarily pressurizing the reset port. Actuation of the reset piston physically pushes the main valve elements to their home position. Actuation of the reset piston also opens the reset poppet, thereby, immediately exhausting pilot supply air, thus, preventing valve operation during reset. De-actuation of reset pistons causes the reset poppets to close and pilot supply timing chambers to fully pressurize. Reset pressure can be applied by a remote 3/2 normally closed valve, or from an optional 3/2 normally closed solenoid (which includes an integral manual reset button) mounted on the reset adapter.

Status Indicator

The optional status indicator pressure switch will actuate when the main valve is operating normally, and will de-actuate when the main valve is in the locked-out position or inlet pressure is removed. This device is not part of the valve lockout function, but, rather, only reports the status of the main valve.

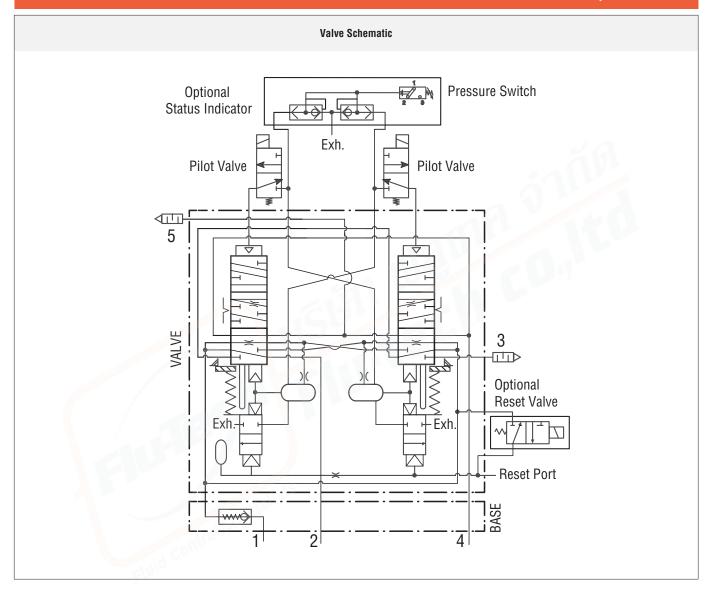




บริษัท ฟลูเทค จำกัด 845/3-4 หมู่ 3 ถ.เทพารักษ์ ต.เทพารักษ์ อ.เมือง จ.สมุทรปราการ 10270



4-Way 2-Position Valves



4-Way 2-Position Valves

Normal Operation

The valve is operated by pressurizing both pilot supply ports simultaneously. This causes both main valve elements to be actuated so that air from inlet port 1 flows to outlet port 4, but not to port 2. Air downstream of port 2 is exhausted through port 3.

When the pilot supply ports are de-pressurized, both valve elements are de-actuated, and air then flows from inlet port 1 to outlet port 2, but no longer to outlet port 4. Air downstream of port 4 is exhausted through port 5. On first operation, or after repair, the pilot valve supply circuit and inherent monitoring elements may need to be reset.

Valve Locked-out

Whenever the valve elements operate in a sufficiently asynchronous manner, either on actuation or de-actuation, the valve will move to a locked-out position. In the locked-out position, one crossover and its related timing chamber will be exhausted, and the other crossover and its related timing chamber will be fully pressurized. The valve element (side B) that is partially actuated has pilot air available to fully actuate it, but no air pressure on the return piston to fully de-actuate the valve element. The return springs are limited in travel, and can only return the valve elements to the intermediate (locked-out) position. Sufficient air pressure acting on the return pistons is needed to return the valve elements to a fully home position.

Detecting a Malfunction

If the main valve elements are not both actuated or de-actuated synchronously, the valve defaults to the locked-out position so that outlet port 2 receives full inlet pressure, and outlet port 4 is exhausted through port 5. The valve must now be "reset" to resume normal operation.

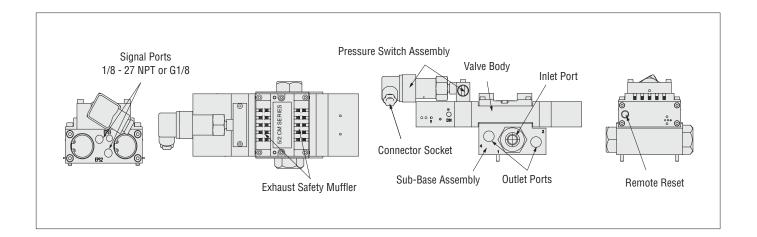
Resetting the Valve

The valve will remain in the locked-out position, even if the inlet air supply is removed and re-applied.

A remote reset signal must be applied to reset the valve. Reset is accomplished by momentarily pressurizing the reset port. Actuation of the reset piston physically pushes the main valve elements to their home position. Actuation of the reset piston also opens the reset poppet, thereby, immediately exhausting pilot supply air, thus, preventing valve operation during reset. De-actuation of reset pistons causes the reset poppets to close and pilot supply timing chambers to fully pressurize. Reset pressure can be applied by a remote 3/2 normally closed valve.

Status Indicator

The optional status indicator pressure switch will actuate when the main valve is operating normally, and will de-actuate when the main valve is in the locked-out position or inlet pressure is removed. This device is not part of the valve lockout function, but, rather, only reports the status of the main valve.

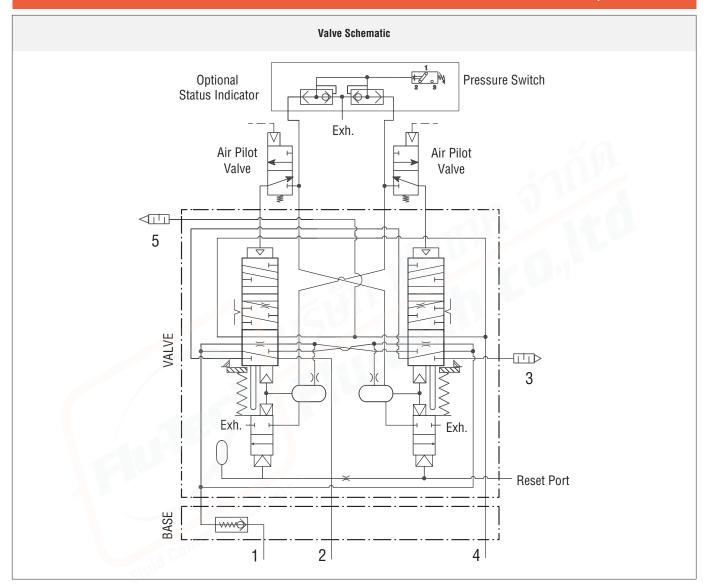




บริษัท ฟลูเทค จำกัด 845/3-4 หมู่ 3 ถ.เทพารักษ์ ต.เทพารักษ์ อ.เมือง จ.สมุทรปราการ 10270



4-Way 2-Position Valves



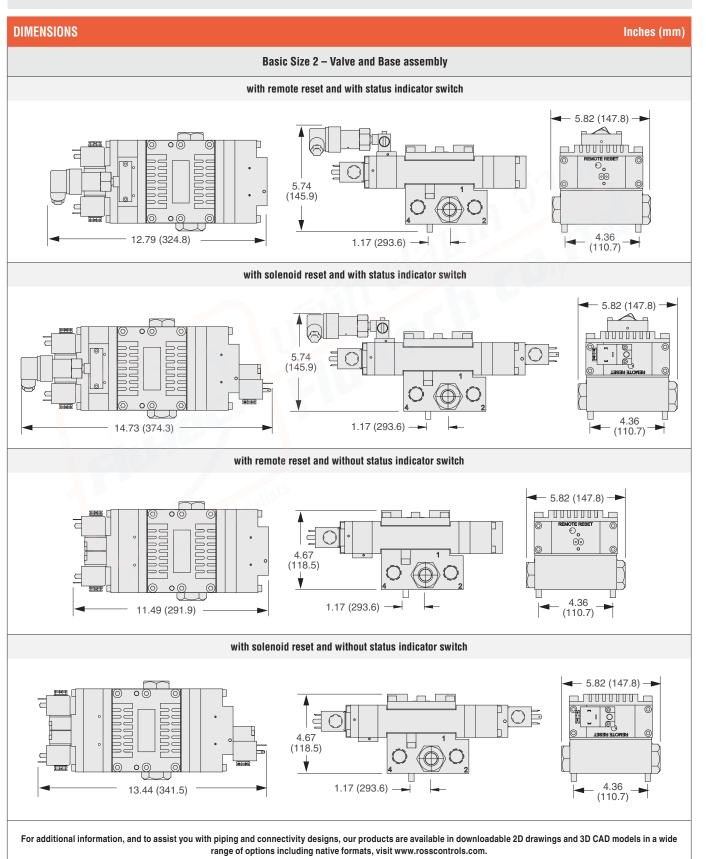
Solenoid Pilot Controlled Valves

DIMENSIONS Inches (mm) Basic Size 0 - Valve and Base assembly with remote reset and with status indicator switch 4.74 (120.4) -4.37 (110.9)3.00 0.80(20.4) 10.89 (276.6) (76.2)with solenoid reset and with status indicator switch 4.74 (120.4) • 4.37 0 (110.9)0.80 (20.4) 3.00 12.29 (312.2) (76.2)with remote reset and without status indicator switch 4.74 (120.4) 3.35 (85.1) 3.00 (76.2) 0.80 (20.4) 8.74 (222.0) with solenoid reset and without status indicator switch 4.74 (120.4) 0 3.35 ╡ (85.1) 3.00 0.80 (20.4) 10.14 (257.6) (76.2)For additional information, and to assist you with piping and connectivity designs, our products are available in downloadable 2D drawings and 3D CAD models in a

wide range of options including native formats, visit www.rosscontrols.com.

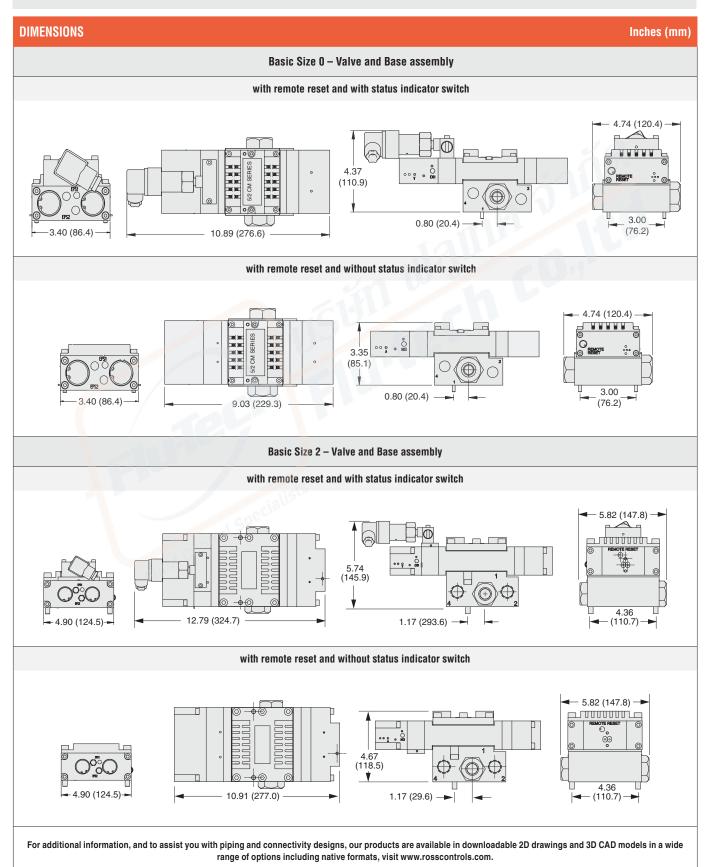


Solenoid Pilot Controlled Valves



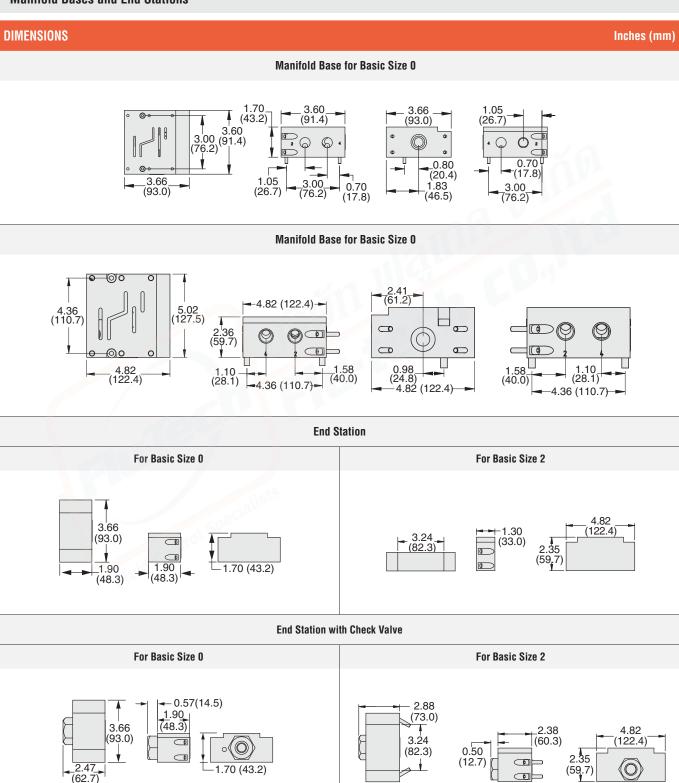
Technical Data

Pressure Controlled Valves





Manifold Bases and End Stations



For additional information, and to assist you with piping and connectivity designs, our products are available in downloadable 2D drawings and 3D CAD models in a wide range of options including native formats, visit www.rosscontrols.com.



Accessories

PRESSURE STATUS INDICATION

Pressure Switches	Indicator Type	Connector Type	Model Number	Port Thread	Factory Preset psi (bar)
for Status Indicator	Machanical Dragoura Curitah	DIN EN 175301-803 Form A		Miori	20 (1 E) falling
	Mechanical Pressure Switch	M12	1153A30	M10x1	22 (1.5) falling

Conn	ctors Pinout
DIN EN 175301-803 Form A	M12
1 - Common 2 - Normally Closed 3 - Normally Open G - Ground	1 - Common 2 - Normally Closed 3 - Not Used 4 - Normally Open





ELECTRICAL CONNECTORS											
Capacitics Basic Capacitan Cable Length Kit Number										lumber	
	Connection Type	Valve	Connector Type	End 1	End 2	Quantity	meters	rs Without	Li	ighted Connecto	or
	,,,,	Size	.,,,,,		Ellu Z		(feet)		24 V DC	120 V AC	230 V AC
Pre-wired		0	DIN EN 175301-803	Connector	nnector Flying leads	4	5 (16.4)	2526H77	2529H77-W	2529H77-Z	2529H77-Y
Connector Kits	Solenoid		Form A and C			4	10 (32.8)	2527H77	2530H77-W	2530H77-Z	2530H77-Y
Outilicator Kits	and		DIN EN 175301-803	Connector	ector Flying leads	4	5 (16.4)	2283H77	2532H77-W	2532H77-Z	2532H77-Y
	Status		Form A	Connector		4	10 (32.8)	2284H77	2533H77-W	2533H77-Z	2533H77-Y
Indica	Indicator	2	M12	0	Flying	4	5 (16.4)	2288H77	- !	Z (+)	_
			5-pin, Female	Connector	leads	4	10 (32.8)	2289H77	0-01	1)4	_

			Cable			Length	_	Kit Number			
	Connection Type	Connector Type	End 1	End 0	Quantity	meters	Cable Diameter	Without	Lighted Connector		
		,	LIIU I	End 1 End 2		(feet)		Light	24 V DC	120 V AC	230 V AC
Pre-wired		Solenoid Form A	Connector	Connector Flying	1	2 (6.5)	6-mm	721K77	720K77-W	720K77-Z	720K77-Y
Connectors	Colonoid			leads	1	2 (0.3)	10-mm	371K77	383K77-W	383K77-Z	383K77-Y
Commodicio	Solellolu		Connector	Flying	1	3 (10)	8-mm	2449K77	2450K77-W	2450K77-Z	2450K77-Y
	Form C Conne	Connector	leads	1	10 (32.8)	-	2248H77	_	_	_	
	Status M12 Connector	Flying	1	5 (16.4)	6-mm	2241H77	_	_	-		
	Indicator	5-pin (Female)	Connector	leads	1 1	10 (32.8)	6-mm	2242H77	_	_	_

		tion Connector Fitting Quantity			Kit Nun	Kit Number			
Connectors	Connection Type	Connector Type	Fitting Connection	Quantity	Without Light	Lighted Connector			
Connectors (no cable)	,,,,,					24 V DC	120 V AC	230 V AC	
(110 00010)		DIN EN 175301-803	Cable grip	1	937K87	936K87-W	936K87-Z	936K87-Y	
	Solenoid	Form A	1/2" NPT conduit	1	723K77	724K77-W	724K77-Z	724K77-Y	
	Colonola	DIN EN 175301-803 Form C	Cable grip	1	2452K77	2453K77-W	2453K77-Z	2453K77-Y	

	Connectors Pinout							
Sole For Basic Size 2 DIN EN 175301-803 Connector Form A	For Basic Size 0 DIN EN 175301-803 Connector Form C	Status Indicator DIN EN 175301-803 Connector Form A	Solenoid & Status Indicator M12 Connector					
2 3 1 1 - Black 2 - Black 4 - Green/Yellow (Ground)	1 - Brown 2 - Blue 3 - Green/Yellow (Ground) 4 - Green/Yellow (Ground)	2	3 - Blue 4 - Black					