

ASCO[®]



TODAY

SHIPPING PROGRAM

Over 2000 of today's most popular products



www.ascovalve.com



EMERSON
Industrial Automation



Delivery, Quality, and Value are ASCO's commitment to you. The ASCO Today program features a range of flow control and monitoring products available for shipment the same day you order them. ASCO guarantees[†] to ship any order received **before 3 PM EST for up to 25 pieces per product** from this catalog the same day or ASCO pays the shipping costs. Orders entered after 3 PM EST will ship the following business day. (Saturdays, Sundays, and Holidays are excluded.) Orders for same day shipment cannot be cancelled or adjusted once entered.

The products listed in this catalog provide the performance required for a variety of system and process applications including boiler, air handling, process control, and water and steam control. The control voltages available for each product are the primary voltages used in industrial and commercial applications today.

We are committed to providing you with an unmatched level of customer service, quality, and reliability. The performance information shown is abbreviated to allow for easy selection of ASCO Today delivery products. If you cannot find the product you need or if you need more detailed specifications, visit www.ascovalve.com, or call 800-972-2726.

How to Order

How to Order												①	②				③	
Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
1/2	5/8	4	0	150	150	-	180	8210G094	BR	NBR	240/60,220/50	20243	10.1	○	-	302272	238610-058-D*	3.2

Find the valve that you are looking for in the provided tables. The tables provide information on the following characteristics to help in making your choice:

- Pipe Size
- Orifice Size
- Cv Flow
- Operating Pressure Differential
- Maximum Fluid Temperature
- ASCO Catalog Number (for reference only)
- Body Material
- Seal Material
- Coil Voltage
- Coil Wattage
- Approvals

CAUTION: Users should consult www.ascovalve.com or Catalog 34 to see complete specifications for the product selected from this catalog.

Solenoid valves with DC voltages have been highlighted in gray to simplify product evaluation. Definitions of symbols and abbreviations can be found on page 31 & 32 of this catalog.

When ordering a Valve Product, simply supply the **Valve Order Code** ① located in the table.

Example: 20243

When ordering a Rebuild Kit for a valve, supply the **Rebuild Kit Order Code** ② located in the table.

Example: 302272

If a replacement coil is needed for a valve, supply the **Replacement Coil Order Code** ③ located in the table.

Example: 238610-058-D*

When ordering products other than solenoid valves, please supply the **Order Code** located in each table.

⚠ WARNING: Improper selection or use of products and related items in this catalog can cause death, serious injury, or property damage.

[†]As industry requirements change, ASCO reserves the right to modify the contents of this catalog and program parameters without notification. Updates on this program can be obtained from the ASCO website www.ascovalve.com or by calling 800-972-2726, or by contacting your local ASCO representative or distributor and referencing the ASCO Today program.

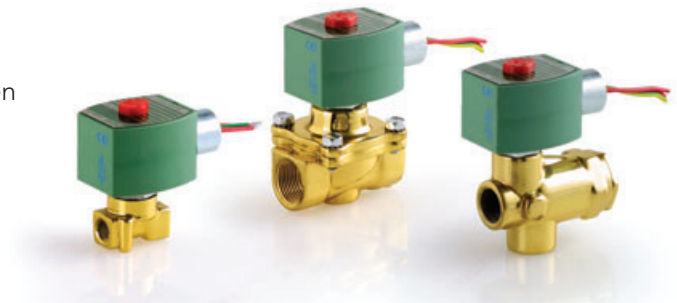
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Refer to inside cover for ordering information.

Two way (2/2) general service solenoid valves have one inlet port and one outlet port.

- Control of air, water, light oil, non-corrosive media
- Normally closed (opens when energized) and normally open (closes when energized) operation
- Size range of 1/8" to 3"



General Service - 2/2 NC 1/8"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)				
			Min.	Max.										UL	FM							
				Air	Water	Light Oil																
2/2 Normally Closed																						
1/8	3/64	0.06	0	750	750	530	180	8262G001	BR	NBR	120/60,110/50	20385	6.1	○	●	302006	238210-032-D*	2.3				
											240/60,220/50	21726					238210-058-D*					
	1/16	0.08	0	220	220	220	180	SC8256A002V	BR	FKM	24/DC	21833	6.9	□	-	-	400125-142-*	0.5				
				220	220	220	180	U8256A002V	BR	FKM	24/DC	21834	6.9	□	-	-	400125-142-D*					
	3/32	0.20	0	275	290	130	180	8262G014	BR	NBR	120/60,110/50	20409	6.1	○	●	302014	238210-032-D*	2.3				
								EF8262G014	BR	NBR	120/60,110/50	20410					238214-032-D*					
								150	140	145	120	8262G014	BR	NBR	24/DC	20412	10.6		○	●	302058	238310-006-D*
															12/DC	20411						238310-004-D*
	7/64	0.19	0	135	126	80	180	SC8256B045V	BR	FKM	120/60, 110/50	21836	6.3	□	-	-	400125-225-*	0.6				
				63	63	63	180	U8256B045V	BR	FKM	24/DC	21844	6.9	□	-	-	400125-142-D*					
				135	126	80	180	U8256B045V	BR	FKM	120/60	21843	6.3	□	-	-	400125-225-D*					
				135	126	80	180	U8256B046V	SS	FKM	120/60, 110/50	21838	6.3	□	-	-	400125-225-*					
	1/8	0.34	0	155	180	140	180	OPSF8262G002	BR	NBR	120/60,110/50	21877	6.1	-	-	302014	238212-032-*	2.3				
								8262G002	BR	NBR	120/60,110/50	20389	6.1	○	●	302014	238210-032-D*	2.3				
											24/60	20395					238210-005-D*					
											240/60,220/50	20393					238210-058-D*					
											480/60,440/50	20394					238210-088-D*					
								EF8262G002	BR	NBR	120/60,110/50	20391	10.6	○	●	302014-V	238214-032-D*					
								8262G002V	BR	FKM	120/60,110/50	20390					238210-032-D*					
								80	80	80	120	8262G002	BR	NBR	24/DC	20397	302058	238310-006-D*				
															12/DC	20396		238310-004-D*				
								155	180	140	180	8262G006	SS	NBR	120/60,110/50	20398	6.1	○	●	302016	238210-032-D*	

General Service - 2/2 NC 1/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)			
			Min.	Max.										UL	FM						
				Air	Water	Light Oil															
2/2 Normally Closed																					
1/4	3/64	0.06	0	750	750	500	180	8262G019	BR	NBR	120/60,110/50	20414	6.1	○	●	302018	238210-032-D*	2.3			
				500	500	500	120	8262G019	BR	NBR	24/DC	21727	10.6	○	●	302068	238310-006-D*				
				750	750	500	180	8262G080	SS	NBR	120/60,110/50	20441	6.1	○	●	302020	238210-032-D*	2.4			
				1500	1500	1100	140	8262G200	BR	NBR	120/60,110/50	20968	10.1	○	-	304350	238610-032-D*				
					SC8262G200	BR	NBR	120/60,110/50	21793	238612-032-*											
	3/32	0.15	0	150	125	125	120	8262G086	SS	NBR	24/DC	21857	10.6	○	○	302070	238310-006-D*	2.3			
				360	340	160	180	8262G020	BR	NBR	120/60,110/50	20417	6.1	○	●	302018	238210-032-D*				
		0.17	0	150	125	125	120	8262G020	BR	NBR	24/DC	20421	10.6	○	●	302068	238310-006-D*				
										12/DC	20420	238310-004-D*									
				500	500	280	180	8262G021	BR	NBR	120/60,110/50	20969	9.1	○	-	302018	238210-132-D*				
				360	340	160	180	8262G086	SS	NBR	120/60,110/50	20443	6.1	○	●	302020	238210-032-D*				
	1/8	0.35	0	65	60	60	120	8262G007	SS	NBR	24/DC	21856	10.6	○	○	302070	238310-006-D*	2.4			
				140	165	90	180	8262G022	BR	NBR	120/60,110/50	20422	6.1	○	●	302018	238210-032-D*				
										24/60	20429	238210-005-D*									
										240/60,220/50	20427	238210-058-D*									
										120/60,110/50	20424	238214-032-D*									
										JKF8262G022	BR	NBR	120/60,110/50	20425	6.1	●	-	302018	238212-032-*		
										SC8262G022	BR	NBR	120/60,110/50	21879	6.1	-	-	302018	238212-032-*		
				65	60	60	120	8262G022	BR	NBR	24/DC	20431	10.6	○	●	302068	238310-006-D*	2.4			
										12/DC	20430	238310-004-D*									
				140	165	90	180	8262G007	SS	NBR	120/60,110/50	20401	6.1	○	●	302020	238210-032-D*				
								EF8262G007	SS	NBR	120/60,110/50	20402					238214-032-D*				
				300	300	200	180	8262G232	BR	NBR	120/60,110/50	20497	10.1	○	●	304354	238610-032-D*				
								EF8262G232	BR	NBR	120/60,110/50	20498					238614-032-D*				
				300	300	200	180	SC8262G232	BR	NBR	120/60,110/50	21880	10.1	-	-	304354	238612-032-*	2.0			
				75	70	70	150	8262G232	BR	NBR	24/DC	21858	11.6	○	○	304354	238710-006-D*				
				125	-	-	140	8262G232Q	BR	NBR	120/60	21316	15.1	●	-	304020	270110-032-D*				
	5/32	0.5	0	180	200	145	180	8262G202	BR	NBR	120/60,110/50	20461	10.1	○	●	304354	238610-032-D*		2.4		
										240/60,220/50	20467	238610-058-D*									
										120/60,110/50	20465	238614-032-D*									
										120/60,110/50	21115	238612-032-*									
				180	200	-	180	SC8262G202E	BR	EPDM	120/60,110/50	51389	10.1	-	●	304354-E	238612-032-*				
				-	150	110	180	8262G202T	BR	PTFE	120/60,110/50	20928	10.1	-	●	304354-T	238610-032-D*				
				40	40	45	150	8262G202	BR	NBR	24/DC	20472	11.6	○	●	304354	238710-006-D*				
				180	200	145	180	8262G220	SS	NBR	120/60,110/50	20487	10.1	○	●	304352	238610-032-D*				
										120/60,110/50	20489	238614-032-D*									
7/32				0.72	0	90	100	100	180	8262G208	BR	NBR	120/60,110/50	20473	10.1	○	●	304354		238610-032-D*	2.0
			24/60							20478	238610-005-D*										
			240/60,220/50							20477	238610-058-D*										
			120/60,110/50							20475	238614-032-D*										
			SC8262G208			BR	NBR	120/60,110/50	21014	238612-032-*											
	25	25	25			150	8262G208	BR	NBR	24/DC	20479	11.6	○	●	304354	238710-006-D*					
	90	100	100			180	8262G226	SS	NBR	120/60,110/50	20490	10.1	○	●	304352	238610-032-D*					
	40	50	40			180	8262G036	SS	NBR	120/60,110/50	20435	6.1	●	●	302024	238210-032-D*					
	0.85	0	40	50	40	180	8262G013	BR	NBR	120/60,110/50	20404	6.1	○	●	302022	238210-032-D*	2.3				
			60	75	60	180	8262G210	BR	NBR	120/60,110/50	20480	10.1	○	●	304354	238610-032-D*					
			9/32	0.88	0	90	100	90	180	8262G212	BR	NBR	120/60,110/50	20484	17.1	○	●	304354	238610-132-D*	2.4	
												120/60,110/50	20485	238614-132-D*							
		120/60,110/50								21804	238612-132-*										
		120/60,110/50								20494	238610-132-D*										
		EF8262G230								SS	NBR	120/60,110/50	20496	17.1	○	○	304352	238614-132-D*	2.6		
		8262G038								SS	NBR	120/60,110/50	20437	6.1	○	●	302024	238210-032-D*			
		8262G090	BR	NBR	120/60,110/50	20445	302022	238210-032-D*	2.3												
		15	-	-	180	8262G090VH	BR	NBR		120/60,110/50	20446	6.1	-				-	302022-VH	238210-032-D*		
5/16	0.88	5	125	125	-	180	8210B020	BR	NBR	120/60,110/50	00241	6.5	●	-	302270	216099-003-D*	1.0				
			750	750	750	200	8223G021	BR	NYLON	120/60,110/50	20369	10.1	-	-	302313	238610-032-D*					
			1500	1500	1500	200	8223G025	BR	NYLON	120/60,110/50	20376	17.1	-	-	302314	238610-132-D*		2.9			

Plastic Body - 2/2 NC 1/8" - 1/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.		Light Oil								UL	FM			
				Air	Water													
2/2 Normally Closed																		
1/8	1/8	0.30	0	125	-	-	125	USM8260101	PL	NBR	120/60INT	02823	24.9	-	-	-	186548-016-*	0.5
	1/8	0.30	0	125	-	-	125	USM8260100	PL	NBR	120/60INT	00851	24.9	-	-	-	186548-016-*	0.5
	9/64	0.35	0	120	120	-	130	8260G054	PL	NBR	120/60,110/50	20937	6.1	●	-	302971	238210-032-D*	0.8
								8260G071	PL	NBR	120/60,110/50	20938					238210-032-D*	

General Service - 2/2 NC 3/8"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)						
			Min.	Max.										UL	FM									
				Air	Water	Light Oil																		
2/2 Normally Closed																								
3/8	1/8	0.35	0	160	150	90	180	8263G002	BR	NBR	120/60,110/50	20512	6.1	○	●	302018	238210-032-D*	1.8						
				310	310	260	180	8263G232	BR	NBR	120/60,110/50	21033	17.1	○	●	302001	238610-132-D*							
	5/32	0.52	0	100	100	100	180	8263G200	BR	NBR	120/60,110/50	20516	10.1	○	●	302001	238610-032-D*							
	7/32	2.9	5	230	230	230	195	SC8238T402	BR	NBR	120/60	21899	4.0	□	-	323457	43005573							
		0.72	0	100	100	100	180	8263G206	BR	NBR	120/60,110/50	20519	17.1	○	●	302001	238610-132-D*							
	9/32	0.85	0	100	100	70	180	8263G210	BR	NBR	120/60,110/50	20523	17.1	○	●	302001	238610-132-D*	2.3						
	5/16	1.2	5	125	125	-	180	8210B021	BR	NBR	120/60,110/50	00245	6.5	●	-	302270	216099-003-D*	1.0						
		1.5	10	750	750	750	200	8223G023	BR	NYLON	120/60,110/50	20374	10.1	-	-	302313	238610-032-D*	2.9						
	1500			1500	1500	200	8223G027	BR	NYLON	120/60,110/50	20378	17.1	-	-	302314	238610-132-D*								
	3/8	1.5	5	150	125	-	180	8210G073	BR	NBR	120/60,110/50	20194	6.1	●	-	302271	238210-032-D*	2.0						
								EF8210G073	BR	NBR	120/60,110/50	20195					238214-032-D*							
								8210G036	SS	NBR	120/60,110/50	20176				302326	238210-032-D*							
								EF8210G036	SS	NBR	120/60,110/50	20178					238214-032-D*							
		1.8	0	15	-	-	180	8030G013VM	BR	NBR	120/60,110/50	20008	10.1	-	-	302788-VM	238610-032-D*	2.3						
				15	15	-	180	8030G013	BR	NBR	120/60,110/50	20006	10.1	○	●	302788	238610-032-D*	2.3						
	5/8	3	0	150	150	-	180	SC8210G093	BR	NBR	120/60,110/50	21878	10.1	-	-	302272	238612-032-*	3.2						
								8210G093	BR	NBR	120/60,110/50	20221	10.1	○	-	302272	238610-032-D*							
								EF8210G093	BR	NBR	120/60,110/50	20224					238614-032-D*							
				40	40	-	150	8210G093	BR	NBR	24/DC	20228	11.6	○	-	302372	238710-006-D*							
											12/DC	20227					238710-004-D*							
											8210G001	BR					NBR		120/60,110/50	20032	6.1	○	-	302273
		24/60	20039	238210-005-D*																				
		240/60,220/50	20036	238210-058-D*																				
		EF8210G001	BR	NBR	120/60,110/50	20034	238214-032-D*																	
		JKF8210G001	BR	NBR	120/60,110/50	20035	238212-032-*																	
		SC8210G001	BR	NBR	120/60,110/50	21037	238212-032-*																	
		5/8	3	5	200	150	135	180	8210G001	BR	NBR	24/DC	20041	11.6	○	-	302373	238710-006-D*						
												12/DC	20040					238710-004-D*						
									125	100	100	150	OFSF8210G001V					BR		FKM	24/DC	50973	302373-V	238712-006-*
																					8210G006	BR	NBR	120/60,110/50
		EF8210G006	BR	NBR	120/60,110/50	20094	17.1	○	-	302274	238614-132-D*													
	3/4	3.4	0	50	-	-	125	8215G010	AL	NBR	120/60,110/50	20286	10.1	○	●	302350	238610-032-D*	2.8						

General Service - 2/2 NC 1/2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
2/2 Normally Closed																		
1/2	7/16	2.2	5	40	40	-	150	8210G015	BR	NBR	24/DC	21851	11.6	●	-	302374	238710-006-D*	2.0
			5	150	125	-	180	8210G015	BR	NBR	120/60,110/50	20126	6.1	●	-	302275	238210-032-D*	
											24/60	20130					238210-005-D*	
											240/60,220/50	20128					238210-058-D*	
								EF8215G015	BR	NBR	120/60,110/50	20127				302327	238214-032-D*	
								8210G037	SS	NBR	120/60,110/50	20179					238210-032-D*	
								EF8210G037	SS	NBR	120/60,110/50	20181					238214-032-D*	
		2.8	0	4	6	-	180	8030G016	BR	NBR	120/60,110/50	20010	6.1	○	●	302789	238210-032-D*	2.7
				15	15	-	200	8030G017	BR	NBR	120/60	21443	16.1	○	-	302790	272610-032-D*	
				15	-	-	180	8030G017VH	BR	NBR	120/60	21444	16.1	-	-	302790-VH	272610-032-D*	
	3/8	3.2	25	1500	1500	1500	200	8223G003	BR	NYLON	120/60,110/50	20359	17.1	-	-	302315	238610-132-D*	3.4
								8223G010	SS	PTFE	120/60,110/50	20364				302322	238610-132-D*	
	17/32	4.5	5	230	230	230	195	SC8238T405	BR	BR	120/60	21900	4.0	□	-	323457	43005573	2.0
											24/60	21901					43005582	
	5/8	4	0	150	150	-	180	8210G094	BR	NBR	120/60,110/50	20229	10.1	○	-	302272	238610-032-D*	3.2
											24/60	20246					238610-005-D*	
											240/60,220/50	20243					238610-058-D*	
								EF8210G094	BR	NBR	120/60,110/50	20236					238214-032-D*	
								JKF8210G094	BR	NBR	120/60,110/50	20242					238612-032-*	
								JSF8210G094	BR	NBR	120/60,110/50	21778					238612-032-*	
								SC8210G094	BR	NBR	120/60,110/50	21031					238612-032-*	
								8210G094MO	BR	NBR	120/60,110/50	20231				302272-MO	238610-032-D*	
								8210G094V	BR	FKM	120/60,110/50	20233				302272-V	238610-032-D*	
				150	-	-	180	8210G094N	BR	NBR	120/60,110/50	20232	10.1	○	-	302272-N	238610-032-D*	
				40	40	-	150	8210G094	BR	NBR	24/DC	20248	11.6	○	-	302372	238710-006-D*	
											12/DC	20247					238710-004-D*	
								SC8210G094	BR	NBR	24/DC	21621					238712-006-*	
				150	150	125	175	8210G087	SS	NBR	120/60,110/50	20201	17.1	●	-	302328	238610-132-D*	3.3
								EF8210G087	SS	NBR	120/60,110/50	20204					238614-132-D*	
								EF8210G087V	SS	FKM	120/60,110/50	20206				302328-V	238614-132-D*	
				150	150	-	175	8210G087E	SS	EPDM	120/60,110/50	20202	17.1	-	-	302328-E	238610-132-D*	
		40	40	-	150	8210G087	SS	NBR	24/DC	21722	11.6	●	-	302423	238710-006-D*			
						EF8210G087	SS	NBR	24/DC	20209					238714-006-D*			
		5	0	200	150	135	180	8210G002	BR	NBR	120/60,110/50	20043	6.1	○	-	302273	238210-032-D*	3.2
											24/60	20058					238210-005-D*	
											240/60,220/50	20053					238210-058-D*	
											480/60,440/50	20056					238210-088-D*	
								EF8210G002	BR	NBR	120/60,110/50	20049					238214-032-D*	
								EF8210G002MO	BR	NBR	120/60,110/50	20050				302273-MO	238214-032-D*	
								JKF8210G002	BR	NBR	120/60,110/50	20051				302273	238212-032-*	
								SC8210G002	BR	NBR	120/60,110/50	20995					238212-032-*	
								JSF8210G002	BR	NBR	120/60,110/50	20989	6.1	●	-	302273	238212-032-*	
								8210G002MO	BR	NBR	120/60,110/50	20046	6.1	●	-	302273-MO	238210-032-D*	
								8210G002V	BR	FKM	120/60,110/50	20048	6.1	-	-	302273-V	238210-032-D*	
				125	-	-	140	8210G002Q	BR	NBR	120/60	21311	15.1	□	-	304006	270110-032-D*	
		125	100	100	150	8210G002	BR	NBR	24/DC	20062	11.6	○	-	302373	238710-006-D*	3.2		
									12/DC	20061					238710-004-D*			
						EF8210G002	BR	NBR	24/DC	20063					238714-006-D*			
						SC8210G002	BR	NBR	24/DC	21134					238712-006-*			
	3/4	4.4	0	50	-	-	125	8215G020	AL	NBR	120/60,110/50	20290	10.1	○	●	302350	238610-032-D*	2.8
				50	-	-	104	EF8215G020	AL	NBR	120/60,110/50	20292					238614-032-D*	
				50	-	-	104	SC8215G020	AL	NBR	120/60,110/50	21785	10.1	-	-	302350	238612-032-*	
				25	-	-	104	8215G020	AL	NBR	12/DC	20294	11.6	○	●	302430	238710-004-D*	
	5/8	4	5	300	300	300	175	8210G007	BR	NBR	120/60,110/50	20095	17.1	□	-	302274	238610-132-D*	3.2
								EF8210G007	BR	NBR	120/60,110/50	20098					238614-132-D*	

Refer to inside cover for ordering information.

General Service - 2/2 NC 3/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)				
			Min.	Max.										UL	FM							
				Air	Water	Light Oil																
2/2 Normally Closed																						
3/4	5/8	5	0	150	150	125	175	8210G088	SS	NBR	120/60,110/50	20210	17.1	●	-	302328	238610-132-D*	3.4				
							180	EF8210G088	SS	NBR	120/60,110/50	20213							238614-132-D*			
				150	150	-	175	8210G088E	SS	EPDM	120/60,110/50	20211		17.1	-		-		302328-E	238610-132-D*		
				40	40	125	150	8210G088	SS	NBR	24/DC	21723		11.6	●		-		302423	238710-006-D*		
	3/4	5	0	2	2	-	180	8030G003	BR	NBR	120/60,110/50	20000	10.1	○	●	302791	238610-032-D*					
				4	4	-	180	8030G043	BR	NBR	120/60,110/50	20014	17.1	○	●	302791	238610-132-D*					
				150	150	-	180	8210G095	BR	NBR	120/60,110/50	20250	10.1	○	-	302276	238610-032-D*					
											24/60	20265					238610-005-D*					
											240/60,220/50	20262					238610-058-D*					
											120/60,110/50	20257					238614-032-D*					
								EF8210G095	BR	NBR	120/60,110/50	20261					238612-032-*					
								JKF8210G095	BR	NBR	120/60,110/50	20261					238612-032-*					
								SC8210G095	BR	NBR	120/60,110/50	21784					238612-032-*					
								8210G095MO	BR	NBR	120/60,110/50	20252					10.1		●	-	302276-MO	238610-032-D*
								8210G095V	BR	FKM	120/60,110/50	20253									302276-V	238610-032-D*
				15	-	-	180	8210G095VH	BR	NBR	120/60,110/50	20254	10.1	-	-	302276-VH	238610-032-D*					
				40	40	-	150	8210G095	BR	NBR	24/DC	20267	11.6	○	-	302375	238710-006-D*					
											12/DC	20266					238710-004-D*					
											120/60,110/50	20107					6.1		○	-	302277	238210-032-D*
				24/60	20119	238210-005-D*																
				240/60,220/50	20114	238210-058-D*																
				120/60,110/50	20110	238214-032-D*																
				JKF8210G009	BR	NBR	120/60,110/50	20112	238212-032-*													
				SC8210G009	BR	NBR	120/60,110/50	21016	238212-032-*													
				125	125	125	180	8210G009MO	BR	NBR	120/60,110/50	20109	6.1	●	-	302277-MO	238210-032-D*					
				100	90	75	150	8210G009	BR	NBR	24/DC	20121	11.6	○	-	302376	238710-006-D*					
											12/DC	20120					238710-004-D*					
											5.1	0					50		-	-	125	8215G030
				EF8215G030	AL	NBR	120/60,110/50	20299	238614-032-D*													
				25	-	-	104	8215G030	AL	NBR			12/DC	20301	11.6	○	●		302430	238710-004-D*		
								EF8215G030	AL	NBR			80-90/DC	21745						238714-029-D*		
				3/4	6	0	125	-	-	125	8215G003	AL	NBR	120/60,110/50	20284	6.1	○		-	302349	238210-032-D*	
	200	180	180								77	8210B026	BR	PTFE	24/DC	00248	30.6		-	-	302377	074073-005-D
	350	300	200				200	8210G026	BR	PTFE	120/60	21412	16.1	●	-	302278	272610-032-D*					
								EF8210G026	BR	PTFE	120/60	21742					272614-032-D*					
	250	150	100				180	8210G003	BR	NBR	120/60,110/50	20064	6.1	○	-	302279	238210-032-D*					
								EF8210G003	BR	NBR	120/60,110/50	20066					238214-032-D*					
								JKF8210G003	BR	NBR	120/60,110/50	20068					238212-032-*					
								SC8210G003	BR	NBR	120/60,110/50	21018					238212-032-*					
	125	125	125				150	8210G003	BR	NBR	24/DC	20076	11.6	○	-	302378	238710-006-D*					
											12/DC	20074					238710-004-D*					
								SC8210G003	BR	NBR	24/DC	21605					238712-006-*					
								EF8210G003	BR	NBR	24/DC	21865					11.6		○	-	302378	238714-006-D*
	7.8	25	750				750	750	200	8223G005	BR	NYLON	120/60,110/50	20362	17.1	-	-		302316	238610-132-D*	4.4	

General Service - 2/2 NC 1" - 3"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)							
			Min.	Max.										UL	FM										
				Air	Water	Light Oil																			
2/2 Normally Closed																									
1	1	13	0	150	125	125	180	8210G054V	BR	FKM	120/60	21585	16.1	-	-	302283-V	272610-032-D*	8.8							
								8210G054	BR	NBR	120/60	21414	16.1	●	-	302283	272610-032-D*								
								EF8210G054	BR	NBR	120/60	21415		272614-032-D*											
				100	100	80	77	8210B054	BR	NBR	24/DC	00263	30.6	●	-	302381	074073-005-D*								
				150	125	125	180	8210G089	SS	NBR	120/60	21420	16.1	●	-	302329	272610-032-D*								
								EF8210G089	SS	NBR	120/60	21744					272614-032-D*								
			5	150	150	100	180	8210G004	BR	NBR	120/60,110/50	20077	6.1	●	-	302280	238210-032-D*	5.4							
											24/60	20089					238210-005-D*								
											240/60,220/50	20085					238210-058-D*								
				EF8210G004	BR	NBR	120/60,110/50	20079	238214-032-D*																
		JKF8210G004		BR	NBR	120/60,110/50	20084	238212-032-*																	
		SC8210G004		BR	NBR	120/60,110/50	21019	238212-032-*																	
		8210G004MO		BR	NBR	120/60,110/50	20078	302280-MO	238210-032-D*																
		125		125	125	150	8210G004	BR	NBR	24/DC	20091	11.6				●	-		302379	238710-006-D*					
										12/DC	20090									238710-004-D*					
		13.5	0	300	225	115	200	8210G027	BR	NBR	120/60	21413	20.1	●	-	302282	272610-132-D*	8.3							
								EF8210G027	BR	NBR	120/60	21743					272614-132-D*								
		10	300	300	300	175	8210G078	BR	NBR	120/60,110/50	03082	17.1	-	-	302281	238610-132-D*	7.9								
																1 5/8	21	0	25	-	-	125	8215B050CSA	AL	NBR
		EF8215B050	AL	NBR	120/60,110/50	20307	302358	099257-001-D*																	
		SC8215B050	AL	NBR	120/60,110/50	02836	302352	400525-125-*																	
		25	-	-	77	8215B050	AL	NBR	24/DC	00572	14.9	●	●	302432	062691-002-D*										
						12/DC	00571	062691-001-D*																	
						EF8215B050	AL	NBR	80-90/DC	21740				302432	062691-010-D*										
		1 1/8	15	5	0	150	125	125	180	8210G055	BR	NBR	120/60	21416	16.1			●	-	302283	272610-032-D*	8.8			
	150									150	100	180	8210G008	BR	NBR			120/60,110/50	20102	6.1	●	-	302280	238210-032-D*	6.6
													24/60	21386	238210-005-D*										
													EF8210G008	BR	NBR			120/60,110/50	20103					238214-032-D*	
	125	125	125	150	8210G008	BR	NBR	24/DC	20106	11.6	●	-	302379	238710-006-D*											
	1 5/8	32	0	25	-	-	125	8215B060CSA	AL	NBR	120/60,110/50	00577	15.4	●	●	302352	099257-001-D*	3.3							
								EF8215B060	AL	NBR	120/60,110/50	20309	15.4	●	-	302358	099257-001-D*								
								25	-	-	77	8215B060	AL	NBR	12/DC	00579	14.9		●	●	302432	062691-001-D*			
								1 1/2	22.5	0	100	100	80	77	8210B056	BR	NBR		24/DC	00270	30.6	-	-	302385	074073-005-D*
	8210G056	BR	NBR	120/60	21417	16.1	●								-	302286	272610-032-D*								
	EF8210G056	BR	NBR	120/60	21418	16.1	●								-	302286	272614-032-D*								
150	150	100	180	8210G022	BR	NBR	120/60,110/50				20132	6.1	●	-	302284	238210-032-D*	7.7								
							24/60				21387					238210-005-D*									
							EF8210G022				BR					NBR		120/60,110/50	20134	238214-032-D*					
125	125	125	150	8210G022	BR	NBR	24/DC			20137	11.6					●		-	302383	238710-006-D*					
1 5/8	35	0	25	-	-	125	8215B070CSA			AL	NBR	120/60,110/50	00581	15.4	●	●	302352	099257-001-D*	3.3						
							EF8215B070			AL	NBR	120/60,110/50	20311	15.4	-	-	302358	099257-001-D*							
							SC8215B070			AL	NBR	120/60,110/50	02835				302352	400525-125-*							
							25	-	-	77	8215B070	AL	NBR	24/DC	02834	14.9	●	●		302432	062691-002-D*				
12/DC	00583	062691-001-D*																							
2	1 3/4	43	5	150	125	90	180	8210G100	BR	NBR	120/60,110/50	20268	6.1	●	-	304355	238210-032-D*	9.9							
								EF8210G100	BR	NBR	120/60,110/50	20270					238214-032-D*								
								50	50	50	150	8210G100					BR		NBR	24/DC	20275	11.6	●	-	304359
	2 3/32	60	0	25	-	-	125	8215B080CSA	AL	NBR	120/60,110/50	00589	15.4	●	●	302353	099257-001-D*	6.3							
								25	-	-	104	EF8215B080	AL	NBR	120/60,110/50	20314	15.4		●	-	302359	099257-001-D*			
								15	-	-	77	8215B080	AL	NBR	24/DC	00590	14.9		●	●	302433	062691-002-D*			
2 1/2	1 3/4	45	5	150	125	90	180	8210G101	BR	NBR	120/60,110/50	20276	6.1	●	-	304355	238210-032-D*	11.5							
	3	117	0	5	-	-	104	8215A090CSA	AL	NBR	120/60,110/50	00567	28.2	●	-	302354	206409-011-D*	12.0							
3	3	138	0	5	-	-	104	8215A040CSA	AL	NBR	120/60,110/50	00565	28.2	●	-	302354	206409-011-D*	13.0							

Refer to inside cover for ordering information.

General Service - 2/2 NO 1/8" - 2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)		
			Min.	Max.										UL	FM					
				Air	Water	Light Oil														
2/2 Normally Open																				
1/8	1/16	0.09	0	500	300	225	180	8262G091	BR	NBR	120/60,110/50	20453	6.1	●	-	302041	238210-032-D*	2.0		
	3/32	0.15	0	275	200	150	180	8262G093	BR	NBR	120/60,110/50	20454	6.1	●	-	302041	238210-032-D*	2.6		
	1/8	0.21	0	125	100	85	180	8262G031	BR	NBR	120/60,110/50	20432	6.1	●	-	302041	238210-032-D*	2.0		
								8262G035	SS	NBR	120/60,110/50	20434				302043	238210-032-D*			
1/4	3/64	0.06	0	750	700	700	140	8262G260	BR	NBR	120/60,110/50	20499	10.1	●	-	302045	238610-032-D*	2.6		
	3/32	0.17	0	300	250	230	140	8262G261	BR	NBR	120/60,110/50	20500	10.1	●	-	302045	238610-032-D*			
	1/8	0.35	0	130	110	100	180	8262G262	BR	NBR	120/60,110/50	20501	10.1	●	-	302051	238610-032-D*			
								8262G138	SS	NBR	120/60,110/50	20456				302053	238610-032-D*			
	5/32	0.49	0	85	75	60	180	8262G263	BR	NBR	120/60,110/50	20506	10.1	●	-	302051	238610-032-D*			
	7/32	0.83	0	45	45	40	180	8262G264	BR	NBR	120/60,110/50	20509	10.1	●	-	302051	238610-032-D*			
								EF8262G148V	SS	FKM	120/60,110/50	20459				302055-V	238614-032-D*			
	9/32	0.96	0	30	25	20	180	8262G265	BR	NBR	120/60,110/50	20510	10.1	●	-	302051	238610-032-D*		2.6	
	3/8	5/8	3	0	15	-	-	180	8210G033VH	BR	NBR	120/60,110/50	20147	10.1	-	-	302334-VH		238610-032-D*	3.4
150					150	125	180	8210G033	BR	NBR	120/60,110/50	20146	10.1	●	-	302334	238610-032-D*			
EF8210G033					BR	NBR	120/60,110/50	20149	238614-032-D*											
125					125	80	150	8210G033	BR	NBR	24/DC	20153	11.6	●	-	302449	238710-006-D*			
1/2	7/16	2.2	0	15	15	-	200	8030G071	BR	NBR	120/60	21448	20.1	●	-	302798	272610-132-D*	3.4		
	5/8	3	0	150	150	100	180	8210G030	SS	NBR	120/60,110/50	20141	10.1	●	-	302347	238610-032-D*			
				EF8210G030	SS	NBR	120/60,110/50	20142	238614-032-D*											
		4	0	150	150	125	180	8210G034	BR	NBR	120/60,110/50	20154	10.1	●	-	302334	238610-032-D*			
				EF8210G034	BR	NBR	120/60,110/50	20157	238614-032-D*											
	SC8210G034	BR	NBR	120/60,110/50	21782	238612-032 -*														
	125	125	80	150	8210G034	BR	NBR	24/DC	20164	11.6	●	-	302449	238710-006-D*						
5/8	4	5	250	200	200	180	8210G012	BR	NBR	120/60,110/50	20122	10.1	●	-	314680	238610-032-D*	3.2			
3/4	4	0	125	-	-	125	8215G023	AL	NBR	120/60,110/50	20295	10.1	●	-	302361	238610-032-D*	2.8			
3/4	3/8	2.9	0	15	15	-	250	DHT8030 046	BR	PTFE	120/60,110/50	21429	15.4	●	-	304650	222345-001-D*	3.2		
	5/8	3	0	150	150	100	180	8210G038	SS	NBR	120/60,110/50	20183	10.1	●	-	302347	238610-032-D*	3.4		
				EF8210G038	SS	NBR	120/60,110/50	20184	238614-032-D*											
	4.6	0	125	-	-	125	8215G033	AL	NBR	120/60,110/50	20303	10.1	●	-	302361	238610-032-D*	3.0			
			EF8215G033	AL	NBR	120/60,110/50	20304	238614-032-D*												
			JKF8215G033	AL	NBR	120/60,110/50	20932	238612-032-*												
			2	2	-	180	8030G083	BR	NBR	120/60,110/50	20027					10.1		●	-	302799
	5.5	0	150	150	125	180	8210G035	BR	NBR	120/60,110/50	20166	10.1	●	-	302335	238610-032-D*	3.2			
			EF8210G035	BR	NBR	120/60,110/50	20168	238614-032-D*												
			SC8210G035	BR	NBR	120/60,110/50	21783	238612-032-*												
			8210G035V	BR	FKM	120/60,110/50	21852	10.1	-	-	302335-V					238610-032-D*				
			125	125	80	150	8210G035	BR	NBR	24/DC	20175	11.6	●	-	302450	238710-006-D*				
6.5			5	250	200	200	180	8210G013	BR	NBR	120/60	21606	16.1	●	-	302336		272610-032-D*	4.0	
1	1	13	5	125	125	125	180	8210D014	BR	NBR	24/DC	21849	16.8	●	-	302338	097617-005-D*	5.0		
			0	125	125	125	180	8210B057	BR	NBR	120/60,110/50	00272	20	●	-	302337	099257-005-D*	6.5		
			5	150	150	125	180	8210G014	BR	NBR	120/60	21419	16.1	●	-	302338	272610-032-D*	5.0		
			EF8210G014	BR	NBR	120/60	21741													
			1 5/8	22	0	25	-	-	125	8215C053	AL	NBR	120/60,110/50	00617	15.4	●	-	304691	099257-001-D*	1.3
			25	-	-	104	EF8215C053	AL	NBR	120/60,110/50	20308	15.4	●	-	304695	099257-001-D*				
1 1/4	1 1/8	15	5	150	150	125	180	8210G018	BR	NBR	120/60	21720	16.1	●	-	302338	272610-032-D*	6.0		
	1 5/8	33	0	25	-	-	125	8215C063	AL	NBR	120/60,110/50	00619	15.4	●	-	304691	099257-001-D*	3.3		
1 1/2	1 1/4	22.5	0	125	125	125	180	8210B059	BR	NBR	120/60,110/50	00275	20	●	-	302340	099257-005-D*	8.5		
			5	150	150	125	180	8210G032	BR	NBR	120/60	21721	16.1	●	-	302341	272610-032-D*	8.0		
	1 5/8	37	0	25	-	-	125	8215C073	AL	NBR	120/60,110/50	00623	15.4	●	-	304691	099257-001-D*	3.3		
2	1 3/4	43	5	125	125	125	180	8210G103	BR	NBR	120/60	21724	16.1	●	-	304361	272610-032-D*	12.0		
				EF8210G103	BR	NBR	120/60	21586	272614-032-D*											
	2 2/32	58	0	25	-	-	125	8215C083	AL	NBR	120/60,110/50	00625	15.4	●	-	304692	099257-001-D*	5.3		

Refer to inside cover for ordering information.

Angle body piston valves are two-way (2/2) air operated valves that can replace motorized or air actuated ball valve packages in any application.

- Normally closed operation
- Straight through flow for maximum Cv
- Size range of 3/8" to 2"



Angle Body Piston Valves

Pipe Size Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)			Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Valve Head Dia. (mm)	Valve Order Code	Pilot Pressure (psi)		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.								Min.	Max.			
				Fluids	Steam											
2/2 Normally Closed - Entry Under the Disc																
3/8	3/8	2.3	0	240	150	366	8290A791	SS	PTFE	32	8290A791	60	150	-	-	1.3
			4.1	0	180	150	366	8290A792	SS	PTFE	32	8290A792	60	150	-	-
		5.7	0	240	150	366	8290A384	BZ	PTFE	50	8290A384	60	150	-	-	2.7
							8290A393	SS	PTFE	50	8290A393					
							8290B002	BZ	PTFE	63	8290B002					
3/4	3/4	7.6	0	90	90	366	8290A793	SS	PTFE	32	8290A793	60	150	-	-	1.6
			11	0	150	150	366	8290A385	BZ	PTFE	50	8290A385	60	150	-	-
		240			150	366	8290B005	BZ	PTFE	63	8290B005	60	150	-	-	3.9
		8290B048			SS	PTFE	63	8290B048								
		1	1	15	0	90	90	366	8290A395	SS	PTFE	50	8290A395	60	150	-
19	0			150	120	366	8290B010	BZ	PTFE	63	8290B010	60	150	-	-	4.7
				8290B053	SS	PTFE	63	8290B053								
1 1/4	1 1/4	36	0	90	90	366	8290A016	BZ	PTFE	63	8290A016	60	150	-	-	6.0
				180	150	366	8290A017	BZ	PTFE	90	8290A017	60	150	-	-	7.7
1 1/2	1 1/2	45	0	60	60	366	8290A020	BZ	PTFE	63	8290A020	60	150	-	-	8.0
				120	120	366	8290A021	BZ	PTFE	90	8290A021	60	150	-	-	9.5
							8290A064	SS	PTFE	90	8290A064					
2	2	66	0	40	40	366	8290A024	BZ	PTFE	63	8290A024	60	150	-	-	10.0
				90	90	366	8290A025	BZ	PTFE	90	8290A025	60	150	-	-	16.0
				90	90	366	8290A068	SS	PTFE	90	8290A068	60	150	-	-	16.0

Air operated valves are standard valves modified by substituting a piston operator in place of the solenoid. An air operated valve will operate the same as the solenoid version except that it is driven by air as opposed to electricity.

- Operator air control is isolated from main line fluids
- Two way (2/2) Normally Closed (opens when energized) and Normally Open (closes when energized) operations
- Three way (3/2) Normally Closed (Pressure to cylinder port when energized) operation
- Size range of 1/4" to 1"



Air Operated

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Main Line Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Pneumatic Operator Pressure Range (psi)	Valve Catalog Number	Body Material	Sealing Material	Valve Order Code	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.									UL	FM			
				Air	Water	Light Oil											
2/2 Normally Closed																	
1/4	5/32	0.5	0	125	125	125	200	30-125	P262B202	BR	NBR	00022	-	-	170374	-	2.0
3/8	5/8	2.8	0	125	125	125	180	30-125	P210C093	BR	NBR	00012	-	-	182032	-	2.5
1/2	5/8	3.6	0	125	125	125	180	30-125	P210C094	BR	NBR	00013	-	-	182032	-	
3/4	3/4	5.5	5	125	125	125	180	30-125	P210D009	BR	NBR	00016	-	-	180621	-	
			0	125	125	125	180	30-125	P210D095	BR	NBR	00018	-	-	182033	-	
1	1	13	5	125	125	125	180	30-125	P210D004	BR	NBR	00014	-	-	180214	-	4
3/2 Normally Closed																	
1/4	1/8	0.31	0	125	125	125	200	30-125	P320A009	BR	NBR	00025	-	-	180446	-	2.3

Refer to inside cover for ordering information.

Hot Water and Steam valves are built with rugged materials to stand up to the harsh media and the environmental conditions of water/steam applications.

- Two-way (2/2) normally closed (opens when energized) and normally open (closes when energized) operations
- Two-way (2/2) normally closed (opens when energized) slow closing operation to reduce water hammer effects
- Size range of 1/4" to 2"



Hot Water/Steam 2/2 NC 1/4" - 2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)			Max. Fluid Temp. °F		Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)		
			Min.	Max.		Hot Water	Steam							UL	FM					
				Hot Water	Steam															
2/2 Normally Closed																				
1/4	5/32	0.52	0	-	110	-	344	8263G300 ①	BR	TEFZEL	120/60,110/50	20526	10.1	●	-	302037	238810-032-D*	1.8		
	3/8	1.2	1	-	125	-	353	8222G070 ①	BR	PTFE	120/60,110/50	21400	6.1	●	-	304030	238410-032-D*	2.4		
3/8	5/32	0.52	0	-	110	-	344	8263G305 ①	BR	TEFZEL	120/60,110/50	20528	10.1	●	-	302037	238810-032-D*	1.8		
								8263G319 ①	SS	TEFZEL	120/60,110/50	21410				302039	238810-032-D*			
	3/8	2.3	6	120	120	210	340	SC8240S405 ①	BR	PTFE	120/60	21790	6.0	□	-	322986	Z614A-120/60-*	1.6		
		2.5	1	-	80	-	324	8222G064	BR	PTFE	120/60,110/50	21399	6.1	●	-	304030	238210-032-D*	2.4		
	-			125	-	353	8222G074 ①	BR	PTFE	120/60,110/50	21200	6.1	●	-	304030	238410-032-D*				
	5/8	3	5	0	100	-	210	-	8210G093HW	BR	EPDM	120/60,110/50	20222	10.1	●	-	302306	238610-032-D*	3.2	
				125	-	210	-	8210G001HW	BR	EPDM	120/60,110/50	20033	6.1	●	-	302305	238210-032-D*			
				150	50	210	300	8220G001	BR	EPDM	120/60,110/50	20318	10.1	●	-	310635	238610-032-D*	3.5		
				150	125	210	353	8220G019 ①	BR	EPDM	120/60,110/50	20324	10.1	●	-	312712	238810-032-D*			
1/2	3/8	2.5	1	-	80	-	324	8222G066	BR	PTFE	120/60,110/50	21199	6.1	●	-	304030	238210-032-D*	3.2		
				-	125	-	353	8222G076 ①	BR	PTFE	120/60,110/50	21401	6.1	●	-	304030	238410-032-D*			
	7/16	2.5	6	120	120	210	340	SC8240S407 ①	BR	PTFE	120/60	21791	6.0	□	-	322988	Z614A-120/60-*	2.0		
	1/2	3.6	2	-	125	-	353	8222G047 ①	BR	PTFE	120/60,110/50	21041	10.1	●	-	304032	238810-032-D*	3.2		
	5/8	4	5	3	0	-	125	-	353	8222G002	BR	TEFLON	120/60,110/50	21396	17.1	●	-	304669	238810-132-D*	3.4
				0	100	-	210	-	8210G094HW	BR	EPDM	120/60,110/50	20230	10.1	●	-	302306	238610-032-D*	3.2	
				125	-	210	-	8210G002HW	BR	EPDM	120/60,110/50	20045	6.1	●	-	302305	238210-032-D*			
				240/60,220/50	20054	238210-058-D*														
				150	50	210	300	8220G003	BR	EPDM	120/60,110/50	20319	10.1	●	-	310635	238610-032-D*	3.4		
				8220G021 ①	BR	PTFE	120/60,110/50	20325	10.1	●	-	312712	238810-032-D*							
				150	125	210	353	EF8220G021 ①					BR	PTFE	120/60,110/50	20326	238614-032-D*			
				SU8220G021 ①	BR	PTFE	120/60,110/50	21805					238812-032-*							
0	-	50	-	300	8222G094	BR	PTFE	120/60,110/50	21404	10.1	●	-	304031	238610-032-D*						
3/8	4.5	0	-	15	-	250	8267G007	BR	RULON	120/60	21454	16.1	●	-	302834	272810-032-D*	4.5			
3/4	3/4	5	1/2	4.6	2	-	125	-	353	8222G049 ①	BR	PTFE	120/60,110/50	21043	10.1	●	-	304032	238810-032-D*	3.2
			5	0	100	-	210	-	8210G095HW	BR	EPDM	120/60,110/50	20251	10.1	●	-	302308	238610-032-D*	3.4	
				125	-	210	-	8210G009HW	BR	EPDM	120/60,110/50	20108	6.1	●	-	302307	238210-032-D*			
				240/60,220/50	20115	238210-058-D*														
				150	50	210	300	8220G005	BR	EPDM	120/60,110/50	20320	10.1	●	-	310716	238610-032-D*	3.6		
				120/60,110/50	20327	10.1	●	-	312702	238810-032-D*										
				24/60	21093					238810-005-D*										
				240/60,220/50	20328	238810-058-D*														
				0	-	50	-	300	8222G095	BR	PTFE	120/60,110/50	21405	10.1	●	-	304031	238610-032-D*	3.4	
			-		125	-	353	8222G003 ①	BR	PTFE	120/60,110/50	21397	17.1	●	-	304669	238810-132-D*	3.6		
			5/8	5	0	-	125	-	353	8222G088 ①	SS	PTFE	120/60,110/50	21403	17.1	●	-	304057	238810-132-D*	3.4
			1/2	5	5	-	200	-	388	8222G005 ①	BR	METAL	120/60,110/50	21398	10.1	-	-	304033	238810-032-D*	2.8
9.7	0	-		15	-	250	8267G019	BR	RYTON	120/60	21457	16.1	●	-	302836	272810-032-D*	4.5			
1	1	13.5	5	150	50	210	300	8220G007	BR	EPDM	120/60,110/50	20321	10.1	●	-	304394	238610-032-D*	5.4		
				8220G025 ①	BR	PTFE	120/60,110/50	20329	10.1	●	-	304392	238810-032-D*							
				EF8220G025 ①	BR	PTFE	120/60,110/50	21746					238814-032-D*							
1 1/4	1 1/8	15	5	150	50	210	300	8220G009	BR	EPDM	120/60,110/50	20322	10.1	●	-	304394	238610-032-D*	6.0		
				150	125	210	353	8220G027 ①	BR	EPDM	120/60,110/50	20330	10.1	●	-	304392	238810-032-D*			
1 1/2	1 1/4	22.5	5	150	50	210	300	8220G011	BR	EPDM	120/60,110/50	20323	10.1	●	-	304395	238610-032-D*	7.5		
				150	125	210	353	8220G029 ①	BR	EPDM	120/60,110/50	20331	10.1	●	-	304393	238810-032-D*			
2	1 3/4	43	5	150	50	210	300	8220G013	BR	EPDM	120/60,110/50	21090	10.1	●	-	304943	238610-032-D*	10.0		
				150	125	210	353	8220G031 ①	BR	PTFE	120/60,110/50	21095	10.1	●	-	306807	238810-032-D*			

① Class H coil for added ambient temperature capability.

Refer to inside cover for ordering information.

Hot Water/Steam 2/2 NO/Slow Closing 3/8" - 1 1/2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)			Max. Fluid Temp. °F		Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.														
				Hot Water	Steam	Hot Water	Steam											
2/2 Normally Open																		
3/8	3/8	5.1	0	-	30	-	280	8267G011	BR	RULON	120/60	21455	16.1	●	-	302842	272810-032-D*	4.5
1/2	3/8	4.5	0	-	15	-	250	8267G015	BR	RULON	120/60	21456	16.1	●	-	302842	272810-032-D*	4.5
		3.5	5	150	-	210	-	8221G003	BR	EPDM	120/60,110/50	20342	6.1	●	-	310387-HW	238210-032-D*	3.4
3/4	3/4	5	5	150	125	210	353	8220G095 ①	BR	PTFE	120/60	21451	16.1	●	-	310416	272810-032-D*	3.6
	1/2	9.7	0	-	15	-	250	8267G023	BR	RYTON	120/60	21458	16.1	●	-	302844	272810-032-D*	4.5
1	1	13.5	5	150	125	210	353	8220G097	BR	PTFE	120/60	21853	16.1	●	-	310493	272810-032-D*	5.5
2/2 Normally Closed Slow Closing																		
1/2	9/16	3.5	5	150	-	210	-	8221G003HW	BR	EPDM	120/60,110/50	20342	6.1	●	-	310387-HW	238210-032-D*	3.4
3/4	3/4	5.5	5	150	-	210	-	8221G005HW	BR	EPDM	120/60,110/50	20346	6.1	●	-	310388-HW	238210-032-D*	3.6
1	1	11.5	5	150	-	210	-	8221G007HW	BR	EPDM	120/60,110/50	21376	6.1	●	-	310420-HW	238210-032-D*	5.5
1 1/2	1 1/4	24	5	150	-	210	-	8221G011HW	BR	EPDM	120/60,110/50	21855	6.1	●	-	310421-HW	238210-032-D*	7.0

① Class H coil for added ambient temperature capability.

Slow Closing NC 3/8" - 2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (PSI)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
2/2 Normally Closed																		
3/8	9/16	3	5	-	150	-	180	8221G001	BR	NBR	120/60,110/50	20339	6.1	UL	-	310387	238210-032-D*	3.4
1/2	9/16	3.5	5	-	150	-	180	8221G003	BR	NBR	120/60,110/50	20341	6.1	UL	-	310387	238210-032-D*	
3/4	3/4	5.5	5	-	150	-	180	8221G005	BR	NBR	120/60,110/50	20345	6.1	UL	-	310388	238210-032-D*	3.6
				-	-	-	150	8221G005	BR	NBR	24/DC	21854	6.1	UL	-	312532	238710-006-D*	
1	1	11.5	5	-	150	-	180	8221G007	BR	NBR	120/60,110/50	20349	6.1	UL	-	310420	238210-032-D*	5.5
				-	125	-	180	8221G007	BR	NBR	24/DC	21725	11.6	UL	-	312686	238710-006-D*	
1 1/4	1 1/8	13	5	-	150	-	180	8221G009	BR	NBR	120/60,110/50	20352	6.1	UL	-	310506	238210-032-D*	6.1
1 1/2	1 1/4	24	5	-	150	-	180	8221G011	BR	NBR	120/60,110/50	20354	6.1	UL	-	310421	238210-032-D*	7.0
2	1 3/4	36	5	-	150	-	180	8221G013	BR	NBR	120/60,110/50	20356	6.1	UL	-	310422	238210-032-D*	8.0

Cryogenic valves are constructed with special materials in order to withstand the severe service encountered controlling cryogenic fluids such as liquid oxygen, liquid nitrogen, liquid argon, and liquid CO₂.

- Two-way (2/2) normally closed (opens when energized) operation
- Size range of 1/8" to 1/2"



Cryogenic 2/2 NC 1/8" - 1/2"

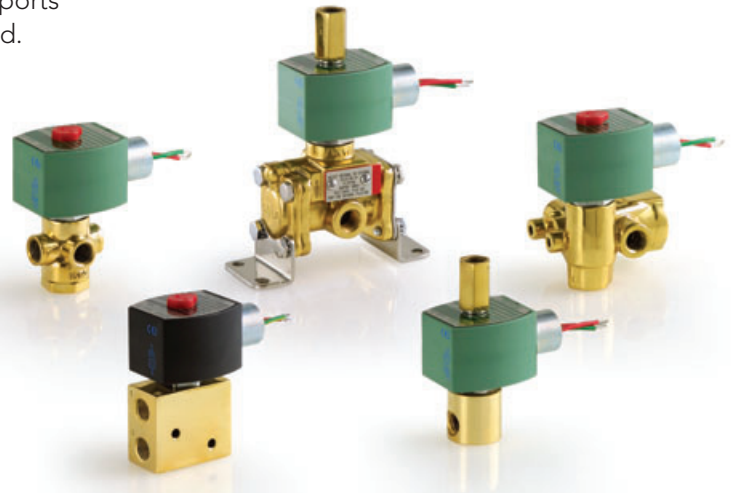
Pipe Size Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)			Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.									UL	FM			
				Cryogenic Fluid	Liquid CO ₂												
2/2 Normally Closed																	
1/8	3/64	0.06	0	-	1000	120	8264G009	BR	UR	120/60,110/50	21195	13.8	-	-	302850	238210-132-D*	1.8
	3/32	0.2	0	-	300	120	8264G010	BR	UR	120/60,110/50	21198	13.8	-	-	302850	238210-132-D*	
	1/8	0.35	0	130	-	150	8263G240LT	BR	PTFE	120/60,110/50	21151	12.1	-	-	304062	238610-032-D*	
1/4	1/8	0.35	0	130	-	150	8262G022LT	BR	PTFE	120/60,110/50	21146	12.1	-	-	302018-LT	238610-032-D*	2.0
	7/32	0.56	0	100	-	150	8263G205LT	BR	PTFE	120/60,110/50	21147	17.1	-	-	304063	238610-132-D*	
	9/32	0.7	0	40	-	150	8263G209LT	BR	PTFE	120/60,110/50	21148	12.1	-	-	304064	238610-032-D*	2.0
3/8	7/32	0.72	0	100	-	150	8263G206LT	BR	PTFE	120/60,110/50	21150	17.1	-	-	304063	238610-132-D*	1.8
	9/32	0.85	0	40	-	150	8263G210LT	BR	PTFE	120/60,110/50	21149	12.1	-	-	304064	238610-032-D*	2.3
1/2	5/8	4	0	90	-	150	8222G002LT ①	BR	PTFE	120/60,110/50	21143	17.1	-	-	304065	238810-132-D*	2.8

① Class H coil for added ambient temperature capability.

Refer to inside cover for ordering information.

Three-way (3/2) general service solenoid valves have three ports and two orifices. When one orifice is open, the other is closed.

- Control of air, water, light oil, non-corrosive media
- Normally closed (pressure to cylinder port when energized) operation
- Normally open (cylinder port exhausts when energized) operation
- Universal (can function as NC, NO, diverter of 1 fluid, or selector of 2 fluids) operation
- Size range of 1/8" to 1"



General Service - 3/2 NC/NO/U 1/8"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
3/2 Normally Closed																		
1/8	3/64	0.06	0	200	200	200	180	8320G132	BR	NBR	120/60,110/50	20710	6.1	●	-	302120	238210-032-D*	2.1
								8320G132MS	BR	NBR	120/60,110/50	20900				302120-MS	238210-032-D*	
				200	200	200	120	8320G132	BR	NBR	24/DC	21587	10.6	●	-	302216	238310-006-D*	
	1/16	0.09	0	150	125	125	180	8320G013	BR	NBR	120/60,110/50	20674	6.1	●	-	302120	238210-032-D*	2.1
	3/32	0.12	0	100	100	100	180	8320G015	BR	NBR	120/60,110/50	20678	6.1	●	-	302120	238210-032-D*	2.1
3/2 Normally Open																		
1/8	3/64	0.06	0	200	200	200	180	8320G136	BR	NBR	120/60,110/50	20713	6.1	●	-	302156	238210-032-D*	2.1
								8320G136MS	BR	NBR	120/60,110/50	20903				302156-MS	238210-032-D*	
	3/32	0.12	0	100	100	100	180	8320G029	BR	NBR	120/60,110/50	20687	6.1	●	-	302156	238210-032-D*	
	3/16	0.35	0	250	250	250	200	8300G003G	BR	SS	120/60	21469	20.1	-	-	306680-G	272610-132-D*	3.0
3/2 Universal																		
1/8	3/64	0.04	0	160	160	160	200	8314G041	BR	NBR	120/60,110/50	20600	10.1	●	-	314476	238610-032-D*	2.1
		0.06	0	175	175	175	140	8320G130	BR	NBR	120/60,110/50	20706	9.1	●	-	302084	238210-132-D*	
				125	125	125	120	8320G130	BR	NBR	12/DC	20709	10.6	●	-	302190	238310-004-D*	
	1/16	0.08	0	100	100	100	180	8320G001MS	BR	NBR	120/60,110/50	20662	9.1	●	-	302088-MS	238210-132-D*	
				65	65	65	120	8320G001MS	BR	NBR	24/DC	20669	10.6	●	-	302191	238210-006-D*	
				100	100	100	180	8320G001	BR	NBR	120/60,110/50	20661	9.1	●	-	302088	238210-132-D*	
								24/60	21729	302088-MS	238210-105-D*							
				OPSP8320G001MS	BR	NBR	120/60,110/50	20666			238212-132-*							
				3/32	0.12	0	50	50	50	180	8320G083	BR	NBR	120/60,110/50	20697	6.1	●	
	1/8	0.21	0	30	30	30	180	8320G003	BR	NBR	120/60,110/50	20670	9.1	●	-	302096	238210-132-D*	
8320G043								SS	NBR	120/60,110/50	20692	302098				238210-132-D*		

General Service - 3/2 NC/NO 1/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)		
			Min.	Max.										UL	FM					
				Air	Water	Light Oil														
3/2 Normally Closed																				
1/4	1/32	0.02	0	550	600	600	140	8320A190	BR	Cast UR	24/DC 12/DC	50851 50893	11.2	●	-	302254	066611-003-D* 066611-008-D*	2.1		
	1/16	0.09	0	210	225	225	200	8320G182	BR	NBR	120/60,110/50	20748	17.1	●	-	302141	238610-132-D* 238614-132-D*	2.5		
				160	160	160	150	EF8320G182	BR	NBR	120/60,110/50	20749	11.6	●	-	302227	238714-006-D*			
				150	-	-	180	8320G701 ①	BR	NBR	120/60,110/50	21364	6.1	□	-	318814	238210-032-D*			
				160	160	160	150	8320G182	BR	NBR	24/DC	21862	11.6	●	-	302227	238710-004-D*			
	3/32	0.12	0	160	160	160	150	8320G182	BR	NBR	12/DC	21861	11.6	●	-	302227	238710-006-D*	2.6		
				150	-	-	-	EF8320511	SS	FKM	24/DC	03194	2.9	●	-	-	-			
				100	-	-	180	8320G702 ①	BR	NBR	120/60,110/50	21883	6.1	□	-	318814	238210-032-D*			
				150	-	-	200	8320G704 ①	BR	NBR	120/60,110/50	21365	10.1	□	-	318818	238610-032-D*			
				150	150	150	200	EF8320G704 ①	BR	NBR	120/60,110/50	21575	10.1	●	-	318818	238614-032-D*			
								8320G184	BR	NBR	120/60,110/50	20750	10.1	●	-	302142	238610-032-D*			
								EF8320G184	BR	NBR	120/60,110/50	20753					238614-032-D*			
								8320G184MO	BR	NBR	120/60,110/50	21731					302142-MO		238610-032-D*	
								8320G184MS	BR	NBR	120/60,110/50	21108					302142-MS		238610-032-D*	
								EFHT8320G184	BR	NBR	120/60,110/50	20754	10.1	●	-	302142	238814-032-D*			
				115	115	115	150	8320G184	BR	NBR	24/DC	20758	11.6	●	-	302227	238710-006-D*			
				EF8320G184	BR	NBR	24/DC	20759	238714-006-D*											
				150	150	150	200	8320G202	SS	NBR	120/60,110/50	20941	10.1	●	-	312191	238610-032-D*			
				EF8320G202	SS	NBR	120/60,110/50	20942	238614-032-D*											
				150	150	150	200	EFHT8320G202	SS	NBR	120/60,110/50	21870	10.1	●	-	312191	238814-032-D*			
				115	115	115	150	8320G202	SS	NBR	24/DC	21732	11.6	●	-	312192	238710-006-D*			
				EF8320G202	SS	NBR	24/DC	20949	238714-006-D*											
	110	110	110	200	8320G089	BR	NBR	120/60,110/50	21730	9.1	-	-	302133	238210-132-D*						
	0.15	0	150	-	-	200	8314G023	BR	NBR	120/60,110/50	20593	10.1	●	-	302870	238610-032-D*	2.6			
			150	100	100	200	8314G035	BR	NBR	120/60,110/50	20596	10.1	-	-	314479	238610-032-D*				
			150	100	100	200	EF8314G035	BR	NBR	120/60,110/50	20597	10.1	●	-	314479	238614-032-D*				
			150	100	100	200	8314G121	SS	NBR	120/60,110/50	20957	10.1	-	-	314457	238610-032-D*				
			0.2	5	150	-	-	180	8317G023	BR	NBR	120/60,110/50	20650	10.1	●	-	302902	238610-032-D*	2.7	
					150	150	95	180	8317G035	BR	NBR	120/60,110/50	20652	10.1	●	-	314463	238610-032-D*		
			3/16	0.21	0	250	250	250	180	8300G058RF	BR	NBR	120/60	21474	20.1	-	-	306680-RF	272610-132-D*	4.5
			1/8	0.25	0	85	85	85	200	8320G203	SS	NBR	120/60,110/50	20950	10.1	●	-	312191	238610-032-D*	2.5
	60	60				60	150	EF8320G203	SS	NBR	24/DC	21868	11.6	●	-	312192	238714-006-D*			
	75	60				60	200	8314G036	BR	NBR	120/60,110/50	20598	10.1	●	-	314480	238610-032-D*	2.6		
	85	85				85	200	8320G186	BR	NBR	120/60,110/50	20760	10.1	●	-	302143	238610-032-D*	2.5		
								EF8320G186	BR	NBR	120/60,110/50	20761					238614-032-D*			
								EFHT8320G186	BR	NBR	120/60,110/50	21775					238814-032-D*			
								EF8320G203	SS	NBR	120/60,110/50	20951					312191		238614-032-D*	
	11/64	0.35	0	45	45	45	200	EF8320G188	BR	NBR	120/60,110/50	20765	10.1	●	-	302144	238614-032-D*	3.8		
				8320G188	BR	NBR	120/60,110/50	20764	10.1	●	-	302144	238610-032-D*							
	9/32	0.8	10	200	200	200	180	8321G001	BR	NBR	120/60,110/50	20778	6.1	●	-	302925	238210-032-D*	2.7		
				200	200	200	120	EF8321G001	BR	NBR	120/60,110/50	20779					238214-032-D*			
				200	200	200	120	8321G001	BR	NBR	24/DC	21381	10.6			●	-		302929	238310-006-D*
	EF8321G001	BR	NBR	24/DC	20783	238314-006-D*														
	3/32	0.2	5	150	150	95	180	EF8317G035	BR	NBR	120/60,110/50	20653	10.1	●	-	314463	238614-032-D*	4.5		
				75	55	30	104	EF8317G035	BR	NBR	24/DC	20656	11.6	●	-	314466	238714-006-D*			
				150	150	95	180	EF8317G036	SS	NBR	120/60,110/50	20657	10.1	●	-	314469	238614-032-D*			
	1/4	0.45	0	150	150	150	180	EF8300G081RF	BR	NBR	120/60	21506	20.1	●	-	306681-RF	272614-132-D*	2.6		
				190	190	190	200	8300G081F	BR	SS	120/60	21459	20.1	-	-	306681-F	272610-132-D*			
			250	250	250	200	8300D061F	BR	SS	120/60	01198	28.0	-	-	306682-F	222345-005-D*				
3/2 Normally Open																				
1/4	1/16	0.08	0	250	250	250	200	EF8320G192	BR	NBR	120/60,110/50	20768	17.1	●	-	302183	238614-132-D*	2.5		
		0.09	0	250	250	250	200	8320G192	BR	NBR	120/60,110/50	20767	17.1	●	-	302183	238610-132-D*			
								8320G192MS	BR	NBR	120/60,110/50	21110				302183-MS	238610-132-D*			
	3/32	0.12	0	150	140	140	200	8320G194	BR	NBR	120/60,110/50	20770	10.1	●	-	302184	238610-032-D*	2.6		
								EF8320G194	BR	NBR	120/60,110/50	21752					238614-032-D*			
		0.13	0	175	175	175	200	8314G053	BR	NBR	120/60,110/50	20603	10.1			●	-		314464	238610-032-D*
9/32	0.8	10	200	200	200	180	8321G003	BR	NBR	120/60,110/50	20791	6.1	●	-	302927	238210-032-D*	3.8			

① NAMUR direct mount construction.

Plastic Body - 3/2 NC 1/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										Light Oil				
				Air	Water													
3/2 Normally Closed																		
1/4	1/16	0.07	0	100	100	-	130	8360G071	PL	NBR	120/60,110/50	20925	9.1	☐	-	304323	238210-132-D*	2.0
	3/32	0.11	0	100	100	-	130	8360G077	PL	NBR	120/60,110/50	20927	6.1	☐	-	304328	238210-032-D*	

General Service - 3/2 U 1/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
3/2 Universal																		
1/4	1/32	0.02	0	395	410	410	140	8320A170	BR	Cast UR	120/60,110/50	01471	16.7	●	-	302112	064982-001-D*	2.1
	3/64	0.04	0	160	160	160	200	8314G006	BR	NBR	120/60,110/50	20586	10.1	●	-	314476	238610-032-D*	2.6
				EF8314G006	BR	NBR	120/60,110/50	21748	238614-032-D*									
	1/16	0.09	0	75	75	75	150	EF8320G172	BR	NBR	24/DC	21103	11.6	●	-	302201	238714-006-D*	2.5
				125	130	130	200	8320G172	BR	NBR	120/60,110/50	20718	10.1	●	-	302114	238610-032-D*	
				EF8320G172	BR	NBR	120/60,110/50	20719	238614-032-D*									
				75	75	75	150	8320G172	BR	NBR	24/DC	20725	11.6	●	-	302201	238710-006-D*	
	3/32	0.12	0	100	100	100	200	EF8320G174MO	BR	NBR	120/60,110/50	20729	17.1	●	-	302116-MC	238614-132-D*	2.5
								8320G174	BR	NBR	120/60,110/50	20726					238610-132-D*	
								EF8320G174	BR	NBR	120/60,110/50	20728	17.1	●	-	302116	238614-132-D*	
								EF8320G174MS	BR	NBR	120/60,110/50	20730					302116-MS	
								EFHB8320G174 ①	BR	NBR	120/60,110/50	20731	17.1	●	-	302116	238814-132-D*	
								8320G174	BR	NBR	24/DC	21860	11.6	●	-	302201	238710-006-D*	
				EF8320G174	BR	NBR	24/DC	20737	11.6	-	-	302201	238714-006-D*					
				EFHC8320G174 ①	BR	NBR	125/DC	21774	24.6	●	-	302201	238914-335-D*					
				100	100	100	200	8320G200	SS	NBR	120/60,110/50	20939	17.1	●	-	312189	238610-132-D*	
								EF8320G200	SS	NBR	120/60,110/50	20940					238614-132-D*	
								EFHB8320G200	SS	NBR	120/60,110/50	21772					238814-132-D*	
				60	60	60	150	EF8320G200 ①	SS	NBR	24/DC	20946	11.6	●	-	312190	238714-006-D*	
	0.15	0	80	40	40	200	8314G007	BR	NBR	120/60,110/50	20588	10.1	●	-	314816	238610-032-D*	2.6	
	3/16	0.25	0	150	150	150	180	8300G058RU	BR	NBR	120/60	21476	20.1	-	-	306680-RU	272610-132-D*	4.5
	1/8	0.25	0	50	50	50	200	EF8320G176	BR	NBR	240/60,220/50	21867	17.1	●	-	302116	238614-158-D*	2.5
				45	25	25	200	8314G008	BR	NBR	120/60,110/50	21592	10.1	●	-	314477	238610-032-D*	2.6
				50	50	200	8320G176	BR	NBR	120/60,110/50	20738	17.1	●	-	302116	238610-132-D*	2.5	
EF8320G176							BR	NBR	120/60,110/50	20740	238614-132-D*							
8320G201							SS	NBR	120/60,110/50	20947	238610-132-D*							
EF8320G201							SS	NBR	120/60,110/50	20948	238614-132-D*							
11/64	0.35	0	20	20	20	200	8320G178	BR	NBR	120/60,110/50	20746	10.1	●	-	302118	238610-032-D*		
			EF8320G178	BR	NBR	120/60,110/50	20747	238614-032-D*										
1/4	0.45	0	120	120	120	200	EF8300D061U	BR	METAL	120/60	20552	28.0	-	-	306688-U	222345-005-D*	4.5	
	0.49	0	150	150	150	248	EV8327G042	SS	FKM	120/50-60	21640	12.0	●	-	123670	276003-032-D*	3.2	
			150	150	150	248	EV8327G042	SS	FKM	24/DC	21681	11.6	●	-	123670	274714-006-D*		

① Class H coil for added ambient temperature capability.

General Service - 3/2 NC/NO/U 3/8" - 1"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)	
			Min.	Max.										UL	FM				
				Air	Water	Light Oil													
3/2 Normally Closed																			
3/8	1/4	0.45	0	250	250	250	200	8300D009F	BR	SS	120/60	01186	28.0	-	-	306682-F	222345-005-D*	4.5	
	9/32	0.8	10	200	200	200	180	8321G002	BR	NBR	120/60,110/50	20784	6.1	●	-	302925	238210-032-D*	3.8	
				EF8321G002	BR	NBR	120/60,110/50	20785				302925	238214-032-D*						
				200	200	200	120	EF8321G002	BR	NBR	24/DC	20790	10.6	●	-	302929	238314-006-D*		
	5/8	2.5	10	250	250	-	180	EF8316G014 ①	BR	NBR	120/60,110/50	20607	17.1		-	314495	238614-132-D*	4.5	
				8316G014 ①	BR	NBR	120/60,110/50	20606	17.1	-	-	314495	238610-132-D*						
		3	5	125	125	-	120	EF8316G054 ①	BR	NBR	24/DC	21866	10.1	-	-	314493	238314-006-D*	4.9	
			8316G054 ①	BR	NBR	120/60,110/50	20625	6.1	-	-	314491	238210-032-D*							
			10	150	125	-	180					EF8316G054 ①	BR	NBR	120/60,110/50	20626	238214-032-D*		
1/2	5/16	0.75	0	120	120	120	200	8300G068F	BR	SS	120/60	21480	20.1	-	-	306683-F	272610-132-D*	5.0	
	5/8	3.2	10	150	125	-	180	8316G064MO ①	BR	NBR	120/60,110/50	21882	6.1	-	-	318183	238210-032-D*	4.9	
			10	125	125	-	120	8316G064 ①	BR	NBR	24/DC	21859	10.6	-	-	314493	238210-006-D*		
			10	125	125	-	120	EF8316G064 ①	BR	NBR	24/DC	21100	10.6	-	-	314493	238210-006-D*		
			10	250	250	-	180	8316G024 ①	BR	NBR	120/60,110/50	20613	17.1	-	-	314495	238610-132-D*	4.0	
			EF8316G024 ①	BR	NBR	120/60,110/50	21356	238614-132-D*											
			10	150	125	-	180	8316G064 ①	BR	NBR	120/60,110/50	20637	6.1	-	-	314491	238210-032-D*	4.9	
			EF8316G064 ①	BR	NBR	120/60,110/50	20638				314491	238214-032-D*							
	3/4	11/16	4.8	10	250	250	-	180	8316G044 ①	BR	NBR	120/60,110/50	20623	17.1	-	-	314495	238610-132-D*	4.9
10				150	125	-	180	EF8316G074 ①	BR	NBR	120/60,110/50	20645	6.1	-	-	314491	238210-032-D*		
10				150	125	-	180	8316G074 ①	BR	NBR	120/60,110/50	20644	6.1	-	-	314491	238210-032-D*	5.1	
1	1	12.5	10	150	125	-	180	8316G034 ①	BR	NBR	120/60,110/50	21728	6.1	-	-	302661	238210-032-D*	8.8	
3/2 Normally Open																			
3/8	9/32	0.8	10	200	200	200	180	8321G004	BR	NBR	120/60,110/50	20793	6.1	●	-	302927	238210-032-D*	3.8	
	5/8	2.5	10	150	125	-	180	8316G056 ①	BR	NBR	120/60,110/50	20635	6.1	-	-	314492	238210-032-D*	4.9	
			10	250	250	-	180	8316G016 ①	BR	NBR	120/60,110/50	20611	17.1	-	-	314496	238610-132-D*	4.5	
1/2	5/8	3.2	10	250	250	-	180	8316G026 ①	BR	NBR	120/60,110/50	20616	17.1	-	-	314496	238210-132-D*	5.1	
				8316G026MO ①	BR	NBR	120/60,110/50	20617	17.1	-	-	314496-MO	238610-132-D*						
				10	150	125	-	180	8316G066 ①	BR	NBR	120/60,110/50	20641	6.1	-	-	314492	238210-032-D*	4.9
				EF8316G066 ①	BR	NBR	120/60,110/50	21750	238214-032-D*										
3/4	11/16	4.8	10	150	125	-	180	8316G076 ①	BR	NBR	120/60,110/50	20646	6.1	-	-	314492	238210-032-D*	5.1	
3/2 Universal																			
3/8	1/4	0.45	0	120	120	120	200	8300D009U	BR	SS	120/60	01189	28.0	-	-	306682-U	222345-005-D*	4.5	
1/2	3/8	0.86	0	35	35	35	200	8300G076U	BR	SS	120/60	21489	20.1	-	-	306684-U	272610-132-D*	5.0	

① A Minimum Operating Pressure Differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. ASCO flow controls and other similar components must be installed in the cylinder lines only.

Pneumatic pilot valves are three-way (3/2) valves made for pneumatically controlling other system components including cylinders and actuators.

- 1/8" male threads (can be mounted directly to the ASCO Angle Body Piston Valves)
- Pad mount for use with ASCO pad single station sub-bases (must be ordered separately)



3/2 NC Pneumatic

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
3/2 Normally Closed																		
1/8 Male	3/64	0.05	0	145	-	-	140	18900036	PA+FV	NBR	120/60,110/50	18900036-120/60	2.5	-	-	-	43004884	1.0
				145	-	-	140	18900036	PA+FV	NBR	24/DC	18900036-24/DC	2.5	-	-	-	43004869	
				145	-	-	140	18900049	PA+FV	NBR	120/60,110/50	18900049-120/60	2.5	-	-	-	43004884	
				145	-	-	140	18900049	PA+FV	NBR	24/DC	18900049-24/DC	2.5	-	-	-	43004869	
Pad Mounted ①	3/64	0.05	0	145	-	-	140	18900001	PA+FV	NBR	120/60,110/50	18900001-120/60	2.5	-	-	-	43004884	1.0
				145	-	-	140	18900001	PA+FV	NBR	24/DC	18900001-24/DC	2.5	-	-	-	43004869	
				145	-	-	140	18900001	PA+FV	NBR	-	18990001	-	-	-	-	-	
		0.11	0	175	-	-	140	19200002	PA+FV	NBR	120/60,110/50	19200002-120/60	2.5	-	-	-	43004924	

① To convert pad mount products to 1/8" female piped version order single station sub-base (Zinc) catalog number 3530051 separately.

Four-way four port (4/2) and five port (5/2) general service solenoid valves have one pressure port, two cylinder ports, and either one or two exhaust ports.

- Control of air, water, light oil, non-corrosive media
- Size range of 1/4" to 3/4"
- Single and Dual solenoid operation
- Inline (pipe connections) and NAMUR (industry standard direct mount) configurations



General Service - 4/2 Inline 1/4" - 3/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)		
			Min.	Max.										UL	FM					
				Air	Water	Light Oil														
4/2 Inline Single Solenoid																				
1/4	5/64	0.1	0	150	-	-	130	8340G001	AL	PE	120/60,110/50	21064	17.1	●	-	302751	238610-132-D*	4.5		
								EF8340G001	AL	PE	120/60,110/50	21069					238614-132-D*			
								JSP8340G001	AL	PE	120/60,110/50	21779					238612-132-*			
				100	-	-	95	8340G001	AL	PE	24/DC	21066					302759		238710-106-D*	
	3/16	0.7	0	125	100	100	160	8342G001	BR	PTFE	120/60	21421	20.1	●	-	306191	272610-132-D*	4.0		
								EF8342G001	BR	NBR	120/60	21422					272614-132-D*			
								EFHB8342G001 ②	BR	NBR	120/60	21773					272814-132-D*			
				125	100	100	180	HB8342G001 ②	BR	NBR	120/60	21776	272810-132-D*							
								EF8342G001MS	BR	NBR	120/60	21424	306191-MS	272614-132-D*						
								EF8342G001MMS	BR	NBR	120/60	21753	306806	272614-132-D*						
								125	100	100	160	8342G001MS	BR	PTFE	120/60	21423	20.1		●	-
				8342G701	SS	PTFE	120/60					21563	310189	272610-132-D*						
				EF8342G701	SS	PTFE	120/60					21869	310189	272614-132-D*						
				1/4	0.8	10	250	250	250	180	8344G000 ①	BR	NBR	120/60,110/50	20815	17.1	-		-	302710
	EF8344G000 ①	BR	NBR								120/60,110/50	21756	238614-132-D*							
	8344G000MO ①	BR	NBR								120/60,110/50	20816	302710-MO	238610-132-D*						
	150	125	125				180	8344G070 ①	BR	NBR	120/60,110/50	20849	10.1	●	-	302709	238610-032-D*			
								EF8344G070 ①	BR	NBR	120/60,110/50	20851					238614-032-D*			
								8344G070MO ①	BR	NBR	120/60,110/50	20850					302709-MO	238610-032-D*		
	125	125	125				150	8344G070 ①	BR	NBR	24/DC	21736	11.6	●	-	302731	238710-006-D*			
								EF8344G070 ①	BR	NBR	24/DC	21760					238714-006-D*			
	3/8	3/16	0.7	0	125	100	100	160	8342G003	BR	PTFE	120/60	21426	20.1	●	-	306191	272610-132-D*	4.0	
									EF8342G003	BR	NBR	120/60	21427					272614-132-D*		
									EF8342G003MS	BR	NBR	120/60	21428					306191-MS		272614-132-D*
					125	-	-	160	EF8342G003PMS	BR	NBR	120/60	21754				314213	272614-132-D*		
									8342G003MS	BR	PTFE	120/60	21733				306191-MS	272610-132-D*		
					125	100	100	160	8342G703	SS	PTFE	120/60	21514				310189	272610-132-D*		
		1/4	0.8	10	250	250	250	180	8344G001 ①	BR	NBR	120/60,110/50	20819	17.1	●	-	302710	238610-132-D*	5.5	
									EF8344G001 ①	BR	NBR	120/60,110/50	21757					238614-132-D*		
									8344G001MO ①	BR	NBR	120/60,110/50	20820					302710-MO		238610-132-D*
					125	125	125	150	8344G072	BR	NBR	24/DC	21863				11.6	-		-
		EF8344G072	BR	NBR					24/DC	20864	238714-006-D*									
		3/8	1.4	10	150	125	125	180	8344G072 ①	BR	NBR	120/60,110/50	20857	10.1	●	-	302711	238610-032-D*		5.7
									EF8344G072 ①	BR	NBR	120/60,110/50	20859					238614-032-D*		
									EF8344G072MO ①	BR	NBR	120/60,110/50	20860					302711-MO		
					250	250	250	180	8344G027 ①	BR	NBR	120/60,110/50	20826				17.1	●	-	
		EF8344G027 ①	BR	NBR					120/60,110/50	21758	238614-132-D*									
	8344G027MO ①	BR	NBR	120/60,110/50					20827	302712-MO	238610-132-D*	6.2								
	1/2	3/8	1.4	10	150	125	125	180	8344G074 ①	BR	NBR	120/60,110/50	20865	10.1	●	-	302711	238610-032-D*	6.0	
									EF8344G074 ①	BR	NBR	120/60,110/50	20867					238614-032-D*		
									EF8344G074MO ①	BR	NBR	120/60,110/50	20868					302711-MO		238614-032-D*
					8344G074MO ①	BR	NBR	120/60,110/50	20866	238610-032-D*										
	3/4	3/4	5.2	10	150	125	125	180	8344G076 ①	BR	NBR	120/60,110/50	20871	10.1	-	-	302713	238610-032-D*	8.0	
EF8344G076 ①									BR	NBR	120/60,110/50	20872	238614-032-D*							
250					250	250	180	8344G029 ①	BR	NBR	120/60,110/50	20832	302714					238610-132-D*		

① A Minimum Operating Pressure Differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. ASCO flow controls and other similar components must be installed in the cylinder lines only.

② Class H coil for added ambient temperature capability.

Refer to inside cover for ordering information.

General Service - 4/2 Inline 1/4" - 1/2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
4/2 Inline Dual Solenoid																		
1/4	3/16	0.7	0	125	125	125	160	8342G020	BR	PTFE	120/60	21734	16.1	●	-	306193	272610-032-D*	4.8
								EF8342G020	BR	PTFE	120/60	21425					272614-032-D*	
	1/4	0.8	10	250	200	200	125	8344G044 ①	BR	NBR	120/60,110/50	20837	6.1	-	-	302721	238210-032-D*	5.9
		0.8	10	250	200	125	180	EF8344G044 ①	BR	NBR	120/60,110/50	21759	6.1	●	-	302721	238214-032-D*	5.9
		1	10	250	200	125	180	EF8344G044MO ①	BR	NBR	120/60,110/50	20839	6.1	-	-	302721-MO	238214-032-D*	6.7
3/8	3/16	0.7	0	125	125	125	160	8342G022	BR	PTFE	120/60	21735	16.1	●	-	306193	272610-032-D*	4.8
								EF8342G022	BR	NBR	120/60	21755					272614-032-D*	
	3/8	1.4	10	250	200	125	180	8344G080 ①	BR	NBR	120/60,110/50	20874	6.1	-	-	302723	238210-032-D*	7.1
				300	300	200	180	8344G050 ①	BR	NBR	120/60,110/50	20842	10.1	-	-	302724	238210-032-D*	
1/2	3/8	1.4	10	250	200	125	180	8344G082 ①	BR	NBR	120/60,110/50	20877	6.1	●	-	302723	238210-032-D*	

① A Minimum Operating Pressure Differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. ASCO flow controls and other similar components must be installed in the cylinder lines only.

Group mount valves can be mounted together in different quantities to reduce piping and installation time and allowing for common inlet or exhaust ports.

- Control of air and inert gas only
- Two way (2/2) normally closed , three-way (3/2) normally closed, and four-way four port (4/2) operations
- Combinations of normally closed and normally open can be grouped together



Group Mounted 2/2 NC, 3/2 NC, 4/2 1/8" - 1/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)		Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.												
				Air												
2/2 Normally Closed																
1/8	3/64	0.05	0	150	180	SC8280B002	AL	NBR	120/60,110/50	03035	6.3	☐	-	-	400125-225-*	1.5
3/2 Normally Closed																
1/8	3/64	0.05	0	150	180	SC8380B002	AL	NBR	120/60,110/50	03052	6.3	☐	-	-	400115-225-*	1.5
						U8380B002	AL	NBR	120/60,110/50	03053					400115-225-D*	
						150	77	U8380B002	AL	NBR	24/DC	03054	6.9	☐	-	
	7/16	0.07	0	100	180	U8380B003	AL	NBR	120/60,110/50	03076	6.3	☐	-	-	400115-225-D*	
4/2 Inline Single Solenoid																
1/8	1/8	0.20	30	150	140	26300007	ZN	NBR	120/60,110/50	26300007-120/60	2.5	-	-	-	43004884	1.0
				150	140	26300007	ZN	NBR	24/DC	26300007-24/DC	2.5	-	-	-	43004869	
				150	140	26390003	ZN	NBR	-	26390003	2.5	-	-	-	-	
						263C02D11X03	ZN	NBR	120/60,110/50	263C02D11X03					43004884	
1/4	5/64	0.1	0	150	104	8340A003	AL	PE	120/60,110/50	01892	16.7	●	-	302753	064982-001-D*	1.5
1/4	1/4	1.00	30	150	140	26400027	ZN	NBR	120/60,110/50	26400027-120/60	2.5	-	-	-	43004884	2.0
				150	140	26400027	ZN	NBR	24/DC	26400027-24/DC	2.5	-	-	-	43004869	

① Includes flow control device assembled.

Refer to inside cover for ordering information.

General Service - 4/2, 5/2 Inline/NAMUR 1/8" - 1/2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)				
			Min.	Max.		Light Oil																
				Air	Water																	
5/2 Inline Single Solenoid																						
1/8	0.16	0.42	25	115	-	-	120	52000015	AL	NBR	120/60,110/50	52000015	1.6	☐	-	-	-	1.0				
1/4	1/16	0.09	10	150	-	-	180	8345H003 ①	BR	NBR	120/60,110/50	21058	10.1	●	-	302698	238610-032-D*	4.8				
								EF8345H003 ①	BR	NBR	120/60,110/50	21059					238614-032-D*					
								8345H003V ①	BR	NBR	120/60,110/50	21739					302698-V		238610-032-D*			
								8345G001 ①	BR	NBR	120/60,110/50	20879					314453		238610-032-D*			
				150	150	150	180	EF8345G001 ①	BR	NBR	120/60,110/50	20882	10.1	●	-	314453-MO	238614-032-D*					
								EF8345G001MO ①	BR	NBR	120/60,110/50	20883					238614-032-D*					
								8345G001MO ①	BR	NBR	120/60,110/50	20880					238610-032-D*					
								8345G001V ①	BR	NBR	120/60,110/50	21738					314453-V		238610-032-D*			
	100	100	100	104	8345G001 ①	BR	NBR	24/DC	21737	11.6	●	-	314455	238710-006-D*								
					EF8345G001 ①	BR	NBR	24/DC	20890					238714-006-D*								
					150	150	150	180	EFHT8345G001 ①②					BR	NBR	120/60,110/50	20884	10.1	●	-	314453	238814-032-D*
					1/4	0.86	30	150	-					-	140	SC8551A017MS	AL	NBR	120/50-60	21796	2.5	☐
WT8551A017MS	AL	NBR	120/60,110/50	21811						6.3	☐	-	-			266763-902-D*						
150	-	-	104	EF8551A017MS				AL	NBR	120/60,110/50	21764	6.3	●	-	-	266762-902-D*						
				SC8551A017MS				AL	NBR	24/DC	21797	3.0	☐	-	-	400125-042-*						
150	-	-	77	EF8551A017MS				AL	NBR	24/DC	21765	6.9	●	-	-	270007-006-D*						
				5/2 Inline Dual Solenoid																		
1/4	1/4	0.86	30	150	-	-	140	SC8551A018MS	AL	NBR	120/50-60	21800	2.5	☐	-	-	400125-088-*	2.3				
				150	-	-	104	EF8551A018MS	AL	NBR	120/60,110/50	21768	6.3	●	-	-	266762-902-D*					
				150	-	-	140	SC8551A018MS	AL	NBR	24/DC	21801	3.0	☐	-	-	400125-042-*					
				150	-	-	77	EF8551A018MS	AL	NBR	24/DC	21769	6.9	●	-	-	270007-006-D*					
4/2, 5/2 NAMUR Mount Single Solenoid																						
1/4	3/16	0.70	0	125	-	-	160	8342G501	BR	PTFE	120/60	21528	20.0	☐	-	322008	272610-132-D*	4.5				
	1/4	0.70	30	150	-	-	140	EV8551G309	SS	NBR/PUR	24/DC	21875	1.4	●	-	-	274714-902-D*	4.0				
				150	-	-	140	8551G401	AL	NBR	120/60,110/50	21864	10.1	●	-	-	238610-032-D*	2.0				
				150	-	-	140	SC8551A017MS	AL	NBR	120/60,110/50	21881	2.5	☐	-	-	400125-088-*					
		150	-	-	140	SC8551A001MS	AL	NBR	120/50-60	21595	2.5	☐	-	-	400125-088-*							
		150	-	-	140	WT8551A001MS	AL	NBR	120/60,110/50	21597	6.3	☐	-	-	266763-902-D*							
		150	-	-	104	EF8551A001MS	AL	NBR	120/60,110/50	21599	6.3	●	-	-	266762-902-D*							
		0.86	30	150	-	-	140	SC8551A001MS	AL	NBR	24/DC	21596	3.0	☐	-	-	400125-042-*		2.0			
				150	-	-	140	WT8551A001MS	AL	NBR	24/DC	21598	6.9	☐	-	-	270008-006-D*					
				150	-	-	77	EF8551A001MS	AL	NBR	24/DC	21600	6.9	●	-	-	270007-006-D*					

① A Minimum Operating Pressure Differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. ASCO flow controls and other similar components must be installed in the cylinder lines only.

② Class H coil for added ambient temperature capability.

5/2 Pneumatic Valves

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.		UL								FM				
				Air	Water										Light Oil			
5/2 ISO Pad Mount																		
ISO 1 Pad Mounted	1/4	0.84	45	145	-	-	140	54100316	ZN	NBR	120/60,110/50	54100316-120/60	2.5	-	-	-	43004884	2.0
		1.05	45	145	-	-	140	54100883	PA+FV	NBR	120/60,110/50	54100883-120/60	2.5	-	-	-	43004884	
				145	-	-	140	54100883	PA+FV	NBR	24/DC	54100883-24/DC	2.5	-	-	-	43004869	
				145	-	-	140	54101006	ZN	NBR	120/60,110/50	54101006-120/60	2.5	-	-	-	43004884	
ISO 2 Pad Mounted	1/2	2.6	45	175	-	-	140	54202017 ③	ST+POM +AL	NBR+PUR	120/60,110/50	54202017 (Valve) 19000006-120/60 (Pilot)	2.5	-	-	-	43005085	3.0

Pipe Size (ins.)	Body Material	Single Station Catalog Number and Order Code	Joinable Catalog Number and Order Code	End Plate Set Catalog Number and Order Code
ISO 1 Subbase				
1/4	AL	35500138	35500093	-
3/8	AL	35500127	-	35500092
ISO 2 Subbase				
1/2	AL	35500563	-	-

③ Valve and pilot need to be ordered as separate line items. Order one pilot, 19000006-120/60, per valve, 54202017.

Low power valves minimize temperature rise and power draw allowing the user to reduce wiring and operate these DC valves directly off of computer control. Intrinsically safe valves are for use in an inherently safe system which will not ignite an explosive atmosphere.

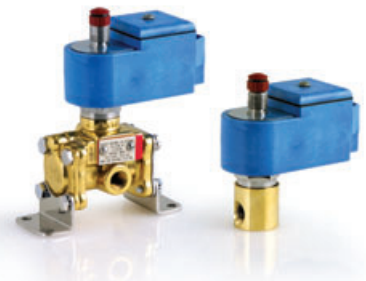
- Three-way (3/2) normally closed and universal operations
- Four-way, four and five port (4/2 and 5/2) operation
- Size range of 1/4" to 1/2"

Intrinsically Safe/Low Power

Pipe Size Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)		Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.												
				Air												
3/2 Universal Low Power																
1/4	1/16	0.08	0	150	140	8314G300	BR	NBR	24/DC	21156	1.4	●	-	316816	238710-902-D*	2.6
						EF8314G300	BR	NBR	24/DC	21071		238714-902-D*				
						EF8314G301	SS	NBR	24/DC	21072		238714-902-D*				
			12/DC	21749	238714-903-D*											
			5	150	140	EF8317G307	BR	NBR	24/DC	21074	1.4	●	-	316839	238714-902-D*	2.7
						EF8317G308	SS	NBR	24/DC	21075				316845	238714-902-D*	
3/2 Normally Closed Low Power																
1/4	5/16	1.5	15	150	140	EF8316G301 ①	BR	NBR	24/DC	21751	1.4	□	-	316982	238714-902-D*	4.1
						EV8316G381V ①	SS	FKM	24/DC	21225	1.4	●	-	316982-V	274714-902-D*	4.5
3/8	5/16	1.8	15	150	140	EF8316G302 ①	BR	NBR	24/DC	21139	1.4	□	-	316982	238714-902-D*	4.1
						EV8316G382V ①	SS	FKM	24/DC	21226	1.4	●	-	316982-V	274714-902-D*	5.0
1/2	5/8	4	15	150	140	EF8316G304 ①	BR	NBR	24/DC	21140	1.4	□	-	316966	238714-902-D*	4.9
						EV8316G384V ①	SS	FKM	24/DC	21342	1.4	●	-	318399-V	274714-902-D*	6
4/2, 5/2 Low Power																
1/4	1/4	0.07	10	150	140	EF8344G370 ①	BR	NBR	24/DC	21076	1.4	●	-	316841	238714-902-D*	5.2
3/2 Universal Intrinsically Safe																
1/4	1/16	0.08	0	150	140	WB IS8314A300 ②	BR	NBR	24/DC	21601	0.44	-	●	322294	274445-001-*	2.6
						WB IS8314A301 ②	SS	NBR	24/DC	21602		316816	274445-001-*			
			5	150	140	WB IS8317A307 ②	BR	NBR	24/DC	21603		0.44	-	●	322295	274445-001-*
3/2 Normally Closed Intrinsically Safe																
1/4	5/16	1.5	15	150	140	WB IS8316A301 ①②	BR	NBR	24/DC	21611	0.44	-	●	316982	274445-001-*	4
						WB IS8316A381V ①②	SS	FKM	24/DC	21808	0.44	-	●	316982-V	274445-001-*	4.5
3/8	5/8	3	10	150	140	WBIS8316A354	BR	NBR	24/DC	21613	0.4	-	-	316840	274445-001-*	4.9
4/2 Intrinsically Safe																
1/4	3/8	0.8	10	150	140	WB IS8344A370 ①②	BR	NBR	24/DC	21615	0.44	-	●	316841	274445-001-*	5.2
5/2 Intrinsically Safe																
1/4	1/16	0.04	10	150	140	WB IS8345A301 ①②	BR	NBR	24/DC	21617	0.44	-	●	316844	274445-001-*	4.8
1/4	1/4	0.70	30	150	140	WBIS8551A301	AL	NBR	24/DC	21604	0.4	-	-	-	274445-001-*	2.0

① A Minimum Operating Pressure Differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. ASCO flow controls and other similar components must be installed in the cylinder lines only.

② Designed solely for installation in Intrinsically Safe areas, with properly approved and sized current and voltage coil rating safety barriers.

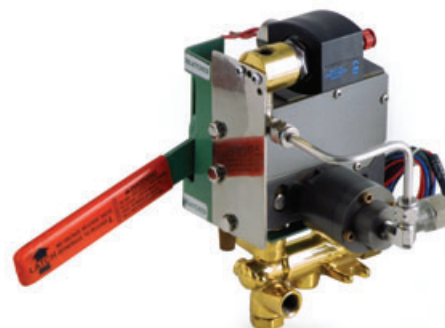


Manual reset valves use manual reset assemblies in conjunction with the solenoid in order to prevent inadvertent valve startup in their designed failure modes.

No voltage release valves can be latched by moving the lever to the latched position when the solenoid is energized, the valve trips when the solenoid is de-energized. When tripped the valve can be manually cycled open/closed but the solenoid must be energized to re-latch.

Electrically tripped valves can be latched when the lever is moved to the latched position and the solenoid is de-energized. The valve trips when the solenoid is energized by a continuous or momentary (0.3 seconds minimum) electrical signal.

- Three-way (3/2) universal (can function as NC, NO, diverter of one fluid, or selector of 2 fluids) operation
- Size range of 1/4" to 1/2"



Manual Reset 3/2 U 1/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)				Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.										UL	FM			
				Air	Water	Light Oil												
3/2 Universal Operation No Voltage Release																		
1/4	11/64	0.38	0	125	125	125	180	EF8308B040	BR	NBR	120/60,110/50	21569	20	☐	-	318718	099257-005-D*	3.0
3/2 Universal Operation Electrically Tripped																		
1/4	11/64	0.38	0	125	125	125	180	EF8310B040	BR	NBR	120/60,110/50	21573	20	☐	-	318720	099257-005-D*	3.0

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)		Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Approvals		Pilot Pressure (psi)		Fluid Temp. °F		Wattage	Pilot Valve Catalog Number	Approx. Shipping Weight (lbs.)
			Min.	Max.							UL	FM	Min.	Max.	Min.	Max.			
3/2 Universal Low Power - No-Voltage Release																			
3/8	1/4	45	0	125	200	HV264153-013	BR	FKM	24/DC	02982	●	-	25	125	-40	140	1.4	EF8314G300	8.0



Redundant Control System

Safety Instrumented Systems • Process Reliability • Process Valve Diagnostics

Advantages

- No nuisance trips
- Easy on-line maintenance
- High availability
- Automated solenoid testing
- Known technology
- Automated partial stroke testing
- Lowest cost option for valve actuation and automated testing

SIL 3
CAPABLE



For detailed information go to the Get Literature section at www.ascovalve.com.

Refer to inside cover for ordering information.

Valve Monitoring Systems (VMS) are designed for both local visual and remote electrical position indication of process control valves.

- Rotary control valve application in NAMUR and NON-NAMUR configurations
- Linear application for ASCO Angle Body Piston Control Valves
- Mechanical or proximity switch configuration



Valve Monitoring Systems

Enclosure Type	Approvals	Conduit Connection (NPT)	Indicator	Switches	Number of Switches	Catalog Number and Order Code	Approx. Shipping Weight (lbs.)
NAMUR							
Aluminum - NEMA 4, 4X	FM Class I, Division II	(2) 3/4	Yellow and Black	Tungsten Proximity 3A	2	VR2C2YAT2NGA	4.0
Aluminum - NEMA 4, 4X	NEMA 4, 4X	(2) 3/4	Yellow and Black	Mechanical SPDT - Silver Contacts 15A	2	VR3C2YAA2NGA	4.0
Non-NAMUR							
Aluminum - NEMA 4, 4X	NEMA 4, 4X	(2) 3/4	Yellow and Black	Mechanical SPDT - Silver Contacts 15A	2	VR3B2YAA2NGA	4.0
For ASCO 8290 Series Valves							
Plastic PBT - NEMA 4, 4X	NEMA 4, 4X	(2) 1/2	Yellow and Black	Mechanical SPDT - Silver Contacts 15A	2	HS4N1YAA2NGA	3.0

VMS Brackets/Accessories

Description	Material	Order Code
VR Series Brackets		
NAMUR 30X80X20	AL	281942-001
NAMUR 30X130X30	AL	281942-002
NAMUR 30X80X30	AL	281942-041
NAMUR 30X130X50	AL	281942-042
NAMUR 30X80X20	SS	281942-501
NAMUR 30X130X30	SS	281942-502
NAMUR 30X80X30	SS	281942-541
Conduit Connector		
1/2 X 1/2 Slip-Lok		280544-001
1/2 X 3/4 Slip-Lok	SS	278672-001
HS Series Bracket		
ASCO 8290 Series Valves	PA	280180-006

Fuel Gas 2/2 NC 1/8" - 3"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Gas Capacity	Operating Pressure (psi)		Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals			Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)									
			Btu/Hr	Min.	Max. Fuel Gas								UL	FM	CSA												
2/2 Normally Closed																											
1/8	7/64	0.16	54,150	0	200	180	U8256A091V	BR	FKM	120/60,110/50	21897	6.3	☐	-	○	-	400115-225-D*	0.5									
1/8	5/16	1	53,700	0	15	125	SV311A02N6AF5	AL	NBR	120/60,110/50	SV311A02N6AF5	6.1	○	○	○	-	238210-032-D*	1.8									
							8040H006	AL	NBR	120/60,110/50	21183	6.1	○	○	○	318247	238210-032-D*										
1/4	9/32	0.96	51,700	0	40	125	8262G078	BR	NBR	120/60,110/50	20440	10.1	○	○	○	306631	238610-032-D*	2.4									
			74,700	0	45	125	8262G210B	BR	NBR	120/60,110/50	21098	10.1	○	○	○	304088	238610-032-D*										
	5/16	1.1	59,000	0	15	125	8040H007	AL	NBR	120/60,110/50	21184	6.1	○	○	○	318247	238210-032-D*	1.8									
			1	59,000	0	15	125	SV311A02N6BF5	AL	NBR	120/60,110/50	SV311A02N6BF5	6.1	○	○	○	-		238210-032-D*								
3/8	5/16	1.2	64,400	0	15	125	SV311A02N6CF5	AL	NBR	120/60,110/50	SV311A02N6CF5	6.1	○	○	○	-	238210-032-D*	1.4									
							8040H008	AL	NBR	120/60,110/50	21185	6.1	○	○	○	318247	238210-032-D*										
	0.456	4	215,000	0	0.5	77	K3A432U	AL	NBR	120/60,110/50	K3A432U	10.5	○	○	○	-	064982-004-D*	3.2									
				0	10	77	K3A532U	AL	NBR	120/60,110/50	K3A532U	16.7	○	○	○	-	216758-041-D*										
	5/8	2.8	150,000	0	50	125	8210G074	BR	NBR	120/60,110/50	20198	10.1	○	○	○	304076	238610-032-D*	2.0									
	3/4	3.4	183,000	0	5	125	8214G010	AL	NBR	120/60,110/50	21046	17.1	○	○	○	316233	238610-132-D*	2.0									
1/2	5/8	3.6	193,000	0	50	125	8210G075	BR	NBR	120/60,110/50	20199	10.1	○	○	○	304076	238610-032-D*	3.2									
			280,000	5	250	125	8210G106B	BR	NBR	120/60,110/50	20279	10.1	○	○	○	306632	238610-032-D*										
	0.687	6	350,000	0	0.5	77	K3A441U	AL	NBR	24/60	K3A441U	10.5	○	○	○	-	064982-009-D*	1.4									
				0	0.5	77	K3A442U	AL	NBR	120/60,110/50	K3A442U	10.5	○	○	○	-	064982-004-D*										
				0	6	77	K3A542U	AL	NBR	120/60,110/50	K3A542U	16.7	○	○	○	-	216758-041-D*										
	3/4	4.4	238,500	0	5	125	8214G020	AL	NBR	120/60,110/50	21047	17.1	○	○	○	316233	238610-132-D*	2.0									
				374,000	0	50	125	8215G020B	AL	NBR	120/60,110/50	20291	10.1	○	○	○	304089		238610-032-D*								
				291,000	0	2	125	8040G022	AL	NBR	120/60,110/50	20030	10.1	○	○	○	306633		238610-032-D*	2.8							
	3/4	5.1	14	247,500	0	5	125	8214G030	AL	NBR	120/60,110/50	21048	17.1	○	○	○	316233	238610-132-D*	2.0								
											12/DC	21383	22.6	○	○	○	316790	238710-104-D*									
5.5											295,000	0	50	125	8210G076	BR	NBR	120/60,110/50		20200	10.1	○	○	○	304076	238610-032-D*	3.4
5.62											506,000	5	250	82	8210G003B	BR	NBR	120/60,110/50		21850	10.1	-	-	○	304091	238610-032-D*	3.7
8		11	370,000	0	30	77	S261SG02N3EG5	AL	NBR	120/60,110/50	S261SG02N3EG5	20.0	○	○	○	-	222345-009-D*	3.3									
										120/60,110/50	20031	10.1	○	○	○	306633	238610-032-D*										
9.5		12	512,000	0	2	125	8040G023	AL	NBR	24/60	21126	10.1	○	○	○	306633	238610-005-D*	2.8									
										24/60	K3A451U	10.5	○	○	○	-	064982-009-D*										
0.812		9	520,000	0	0.5	77	K3A452U	AL	NBR	120/60,110/50	K3A452U	10.5	○	○	○	-	064982-004-D*	1.5									
							K3A552U	AL	NBR	120/60,110/50	K3A552U	16.7	○	○	○	-	216758-041-D*										
1.25		12	667,000	0	5	77	K3A652U	AL	NBR	120/60,110/50	K3A652U	20.0	○	○	○	-	222345-009-D*	4.5									
1 5/8		11	580,000	0	5	125	JB8214035CSA	AL	NBR	120/60,110/50	03151	20.0	○	-	○	316429	099257-005-D*	4.3									
	JB8214035CCSA						AL	NBR	120/60,110/50	21337	20.0	○	○	○	-	099257-005-D*	4.8										
	JB8214035VICS						AL	NBR	120/60,110/50	21336	20.0	○	○	○	318303	099257-005-D*	4.5										
1	1	14	755,000	0	0.5	77	K3A462U	AL	NBR	120/60,110/50	K3A462U	10.5	○	-	○	-	064982-004-D*	1.7									
							K3A562U	AL	NBR	120/60,110/50	K3A562U	16.7	○	-	○	-	216758-041-D*										
	1.25	17	960,00	0	5	77	K3A662U	AL	NBR	120/60,110/50	K3A662U	20.0	○	-	○	-	222345-009-D*	4.7									
							16.8	900,000	0	0.5	125	8040C004CSA	AL	NBR	120/60,110/50	00185	15.4		○	○	○	304079	099257-001-D*				
1 5/8	21	1,119,000	0	5	125	JB8214050CSA	AL	NBR	120/60,110/50	03152	20.0	○	-	○	316429	099257-005-D*	4.3										
						JB8214050CCSA	AL	NBR	120/60,110/50	21297	20.0	○	○	○	-	099257-005-D*	4.8										
						JB8214050VICS	AL	NBR	120/60,110/50	21292	20.0	○	○	○	318303	099257-005-D*	4.5										
						1.25	18	1,028,000	0	1.5	77	K3A772U	AL	NBR	120/60,110/50	K3A772U	20.0	○	-	○	-	222345-009-D*	4.5				
1 5/8	32	1,730,000	0	5	125	JB8214060CSA	AL	NBR	120/60,110/50	03153	20.0	○	-	○	316429	099257-005-D*	4.8										
						JB8214060CCSA	AL	NBR	120/60,110/50	21298	20.0	○	○	○	-	099257-005-D*											
1 1/4	1.75	23	1,290,000	0	5.0	77	K3A672U	AL	NBR	120/60,110/50	K3A672U	20.0	○	-	○	-	222345-009-D*	4.5									
							20	1,157,000	0	1.5	77	K3A782U	AL	NBR	120/60,110/50	K3A782U	20.0		○	-	○	-	222345-009-D*				
	1 5/8	55	1,900,000	0	5	125	JB8214070CSA	AL	NBR	120/60,110/50	03154	20.0	○	-	○	316429	099257-005-D*	4.3									
							JB8214070VICS	AL	NBR	120/60,110/50	21294	20.0	○	○	○	318303	099257-005-D*										
2	1.75	27	1,509,000	0	5	77	K3A682U	AL	NBR	120/60,110/50	K3A682U	20.0	○	-	○	-	222345-009-D*	4.7									
							2	37	1,790,000	0	25	77	S261SG02N3HJ7	AL	NBR	120/60,110/50	S261SG02N3HJ7		20.0	○	-	○	-	222345-009-D*	12.5		
	2	3 3/32	60	2,800,000	0	5	125	JB8214080CSA	AL	NBR	120/60,110/50	03155	20.0	○	-	○	316430	099257-005-D*	6.3								
								4 1/2	80	4,180,000	0	25	77	S261SG02N3JK4	AL	NBR	120/60,110/50	S261SG02N3JK4		20.0	○	-	○	-	222345-009-D*	12.5	
2 1/2	3	104	5,765,500	0	5	125	JB8214090CSA	AL	NBR	120/60,110/50	03156	28.2	○	-	○	316828	206409-011-D*	13.0									
	4 1/2	110	5,700,000	0	25	77	S261SG02N3KK4	AL	NBR	120/60,110/50	S261SG02N3KK4	20.0	○	-	○	-	222345-009-D*	14.2									
3	3	105	5,796,000	0	5	125	JB8214040CSA	AL	NBR	120/60,110/50	03157	28.2	○	-	○	316828	206409-011-D*	14.0									
	4 1/2	135	7,100,000	0	25	77	S261SG02N3LK4	AL	NBR	120/60,110/50	S261SG02N3LK4	20.0	○	-	○	-	222345-009-D*	14.2									

Refer to inside cover for ordering information.

Combustion valves are for the control of combustible gases and fuel oil as listed.

- Two-way (2/2) normally closed (Shut-Off) and normally open (vent) operations
- Three-way (3/2) normally closed (pressure to cylinder port when energized) operation
- Solenoid operated (electrically), cable operated (mechanical operation for range hoods), manual reset (conjunction of solenoid and manual operation), electro-hydraulically operated (electric motor using hydraulic pumps for operation)
- Size range of 1/8" to 3"



Fuel Gas 2/2 NO/ NC Manual Reset 1/2" - 2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Gas Capacity	Operating Pressure (psi)		Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals			Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Btu/Hr	Min.	Max.								UL	FM	CSA			
					Fuel Gas													
2/2 Normally Open																		
1/2	3/4	4.4	206,250	0	5	125	8214G023	AL	NBR	120/60,110/50	21050	17.1	●	-	●	316234	238610-132-D*	2.0
3/4	3/4	5.1	247,500	0	5	125	8214G033	AL	NBR	120/60,110/50	21051	17.1	●	-	●	316234	238610-132-D*	
3/4	3/4	8	370,000	0	30	77	S262SG02N3EG5	AL	NBR	120/60,110/50	S262SG02N3EG5	20.0	●	-	●	-	222345-009-D*	3.3
3/4	1 5/8	11	659,000	0	5	125	JB8214037CSA	AL	NBR	120/60,110/50	03184	20	●	-	●	316728	099257-005-D*	4.3
1	1 1/2	18	1,120,000	0	25	77	S262SG02N3FJ5	AL	NBR	120/60,110/50	S262SG02N3FJ5	20.0	●	-	●	-	222345-009-D*	4.4
1	1 5/8	21	1,179,000	0	5	125	JB8214053CSA	AL	NBR	120/60,110/50	03185	20	●	-	●	316728	099257-005-D*	4.3
1 1/4	1 5/8	32	1,538,000	0	5	125	JB8214063CSA	AL	NBR	120/60,110/50	03186	20	●	-	●	316728	099257-005-D*	4.3
1 1/4	2	34	1,710,000	0	25	77	S262SG02N3GJ7	AL	NBR	120/60,110/50	S262SG02N3GJ7	20.0	●	-	●	-	222345-009-D*	4.4
2	4 1/2	75	3,840,000	0	15	77	S262SG02N3JK4	AL	NBR	120/60,110/50	S262SG02N3JK4	20.0	●	-	●	-	222345-009-D*	12.5
2/2 Normally Closed Manual Reset (Free Handle)																		
3/4	1 5/8	13	717,000	0	25	125	8044B001CSA	AL	NBR	120/60,110/50	03015	20	○	○	○	304093	099257-005-D*	4.3

Fuel Gas 2/2 NC Electro-Hydraulic 1" - 3"

Pipe Size (ins.)	Cv Flow	Operating Pressure Differential (psi) Fuel Gas		Max Fluid Temp. °F	Valve Catalog Number and Order Code	Body Material	Sealing Material	Approx. Shipping Weight (lbs.)	Actuator Catalog Number	Voltage	Type of Operation	Actuator Ordering Code	VA	Approvals			Approx Shipping Weight (lbs.)
		Min.	Max.											UL	FM	CSA	
2/2 Normally Closed																	
1	17	0	15	150	V710FAS	AL	NBR	4.5	AH2D102A4	120/50-60	Slow Opening	AH2D102A4	220	○	○	○	1.9
									AH2D112A4	120/50-60	Fast Opening	AH2D112A4	220				
1 1/4	25	0	15	150	V710GAS	AL	NBR		AH2D102A4	120/50-60	Slow Opening	AH2D102A4	220	○	○	○	
									AH2D112A4	120/50-60	Fast Opening	AH2D112A4	220				
1 1/2	30	0	15	150	V710HAS	AL	NBR	13	AH2D102A4	120/50-60	Slow Opening	AH2D102A4	220	○	○	○	
									AH2D112A4	120/50-60	Fast Opening	AH2D112A4	220				
2	64	0	10	150	V710JAS	AL	NBR		AH2D102A4	120/50-60	Slow Opening	AH2D102A4	220	○	○	○	
									AH2D112A4	120/50-60	Fast Opening	AH2D112A4	220				
2 1/2	64	0	10	150	V710KAS	AL	NBR		AH2D102A4	120/50-60	Slow Opening	AH2D102A4	220	○	○	○	
									AH2D112A4	120/50-60	Fast Opening	AH2D112A4	220				
3	92	0	10	150	V710LAS	AL	NBR		AH2D102A4	120/50-60	Slow Opening	AH2D102A4	220	○	○	○	
									AH2D112A4	120/50-60	Fast Opening	AH2D112A4	220				
2/2 Normally Closed with Proof of Closure																	
1	17	0	15	150	V710FASV22	AL	NBR	4.5	AH2D102S4	120/50-60	Slow Opening	AH2D102S4	220	○	○	○	1.9
									AH2D112S4	120/50-60	Fast Opening	AH2D112S4	220				
1 1/4	25	0	15	150	V710GASV22	AL	NBR		AH2D102S4	120/50-60	Slow Opening	AH2D102S4	220	○	○	○	
									AH2D112S4	120/50-60	Fast Opening	AH2D112S4	220				
1 1/2	30	0	15	150	V710HASV22	AL	NBR	13	AH2D102S4	120/50-60	Slow Opening	AH2D102S4	220	○	○	○	
									AH2D112S4	120/50-60	Fast Opening	AH2D112S4	220				
2	64	0	10	150	V710JASV15	AL	NBR		AH2D102S4	120/50-60	Slow Opening	AH2D102S4	220	○	○	○	
									AH2D112S4	120/50-60	Fast Opening	AH4D112S4	220				
2 1/2	64	0	10	150	V710KASV22	AL	NBR		AH2D102S4	120/50-60	Slow Opening	AH2D102S4	220	○	○	○	
									AH2D112S4	120/50-60	Fast Opening	AH2D112S4	220				
3	92	0	10	150	V710LASV22	AL	NBR		AH2D102S4	120/50-60	Slow Opening	AH2D102S4	220	○	○	○	
									AH2D112S4	120/50-60	Fast Opening	AH2D112S4	220				

Refer to inside cover for ordering information.

Fuel Gas 2/2 NC Electro-Hydraulic 3"

Pipe Size (ins.)	Cv Flow	Operating Pressure Differential (psi) Natural Gas		Max. Fluid Temp. °F	Catalog Number	Body Material	Sealing Material	Valve and Actuator Order Code	Replacement Actuator	Voltage	Type of Operation	Approvals			Approx. Shipping Weight (lbs.)
		Min. Press.	Max. Press.									UL	FM	CSA	
2/2 Normally Closed Assembled Valves and Actuators															
3	320	0	8	150	H117AL112F1	IRON	NBR	H117AL112F1	H10A620B5F1	120/50-60	Slow opening	○	○	○	105
					H117AL112A209	IRON	NBR	H117AL112A209	H10A620B5F1F26	120/50-60	Slow opening	○	○	○	110

Fuel Gas Cable Release 2/2 NC 3/4" - 2 1/2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)		Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals	Rebuild kit	Approx. Shipping Weight (lbs.)
			Fuel Gas									UL		
			Min.	Max.										
2/2 Normally Closed														
3/4	3/4	6.5	0	5	132	HV216585-001	AL	NBR	-	00092	-	○	-	2.3
1	1 5/8	24	0	5	132	HV216585-002	AL	NBR	-	00093	-	○	-	3.8
1 1/4	1 5/8	34	0	5	132	HV216585-003	AL	NBR	-	00094	-	○	-	3.8
1 1/2	1 5/8	38	0	5	132	HV216585-004	AL	NBR	-	00095	-	○	-	3.8
2	2 3/32	54	0	5	132	HV216585-005	AL	NBR	-	00096	-	○	-	5.8
2 1/2	3	110	0	5	132	HV216585-006	AL	NBR	-	00097	-	○	-	12

Fuel Oil 2/2 NC, 3/2 NC Electro-Hydraulic 1/2" - 3/4"

Pipe Size (ins.)	Cv Flow	Operating Pressure Differential (psi) Fuel Oil		Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Seal Material	Voltage	Valve Catalog Number and Order Code	VA	Approvals			Approx. Shipping Weight (lbs.)
		Min.	Max.								UL	FM	CSA	
2/2 Normally Closed														
1/2	4	0	300	267	HOV1A302T171	BZ	PTFE	120/50-60	HOV1A302T171	150	○	○	○	12
3/4	5	0	300	267	HOV1A307T171	BZ	PTFE	120/50-60	HOV1A307T171	150	○	○	○	
3/2 Normally Closed														
1/2	2.5	0	300	267	HOV13A162T171	BZ	PTFE	120/50-60	HOV13A162T171	150	○	○	○	13
3/4	3	0	300	267	HOV13A167T171	BZ	PTFE	120/50-60	HOV13A167T171	150	○	○	○	13

Fuel Oil 2/2 NC, 3/2 NC 3/8" - 1/2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)			Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals			Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.														
				#2 Fuel Oil @ 60 SSU, #4 Fuel Oil @ 300 SSU	#5 or Heated #6 Fuel Oil up to 5000 SSU													
2/2 Normally Closed																		
3/8	1/4	1.2	0	110	100	225	JB8266D023L	BR	SS	120/60,110/50	21692	15.4	○	○	○	304099-L	099257-001-D*	3.0
1/2	1/4	1.2	0	110	100	225	8266D069V	BR	FKM	120/60,110/50	01118	15.4	○	○	○	304099-V	099257-001-D*	
	5/16	1.8	0	70	70	225	JB8266D077L	BR	SS	120/60,110/50	21693	15.4	○	○	○	304101-L	099257-001-D*	
3/2 Normally Closed																		
1/2	1/4	1	0	100	-	265	8377 009	BR	NBR	120/60,110/50	02881	15.4	○	○	○	304108	099257-001-D*	4.0

Fuel Oil 2/2 NC 1/4"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)			Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals			Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max.														
				#2 Fuel Oil @ 60 SSU	#4 Fuel Oil @ 300 SSU													
2/2 Normally Closed																		
1/4	3/32	0.17	0	450	280	180	8262G021V	BR	FKM	120/60,110/50	21559	9.1	○	○	○	302018-V	238210-132-D*	2.4
	5/32	0.5	0	145	145	180	EF8262G220V	SS	FKM	120/60,110/50	21747	10.1	○	○	○	304352-V	238614-032-D*	
	7/32	0.72	0	100	100	200	8262G208V	BR	FKM	120/60,110/50	20474	10.1	○	○	○	304354-V	238610-032-D*	
				100	100	180	EF8262G226V	SS	FKM	120/60,110/50	20492	10.1	○	○	○	304352-V	238614-032-D*	
				0.85	0	50	40	180	8262G013V	BR	FKM	120/60,110/50	21127	6.1	○	○	○	
	9/32	0.88	0	90	90	180	EF8262G230V	SS	FKM	120/60,110/50	21117	17.1	○	○	○	304352-V	238614-132-D*	2.6
	1/2	1.1	0	300	300	250	SV401A02V9BF7	BR	FKM	120/60,110/50	SV401A02V9BF7	17.1	○	○	○	-	238614-132-D*	3.2

Refer to inside cover for ordering information.

Dust collector valves are high-flow, fast operating valves designed for use in dust collector systems.

- Integral pilot constructions contain solenoids for local control
- Remote constructions require a separate pilot solenoid valve
- Dust collector pilot boxes are designed for multiple remote pilot valves to be conveniently wired and protected from the environment



Dust Collector 2/2 NC 1/8" - 1 1/2"

Pipe Size (ins.)	Orifice (ins.)	Cv Flow	Operating Pressure Differential (psi)		Max. Fluid Temp. °F	Valve Catalog Number	Body Material	Sealing Material	Voltage	Valve Order Code	Wattage	Approvals		Rebuild Kit Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
			Min.	Max. Air								UL	FM			
2/2 Normally Closed Integral Pilot Main Pulse Valves Inline																
3/4	3/4	16	5	125	125	8353G811	AL	Polyacetal	120/60,110/50	21904	6.1	-	-	C133-451	238210-032-D*	2.3
1	1 1/8	20	5	125	150	8353G041	AL	HYTREL	120/60,110/50	21005	6.1	-	-	316563	238210-032-D*	2.5
1 1/2	2	53	5	125	150	8353J039	AL	HYTREL	120/60,110/50	21542	10.1	-	-	322108	238610-032-D*	4.3
2/2 Normally Closed Integral Pilot Main Pulse Valves with Compression Fittings																
3/4	3/4	15	5	125	150	8353G052	AL	HYTREL	120/60,110/50	21017	6.1	-	-	316563	238210-032-D*	2.7
1	1 1/8	20	5	125	150	8353G053	AL	HYTREL	120/60,110/50	21025	6.1	-	-	316563	238210-032-D*	2.9
2/2 Normally Closed Remote Pilot Main Pulse Valves Inline																
3/4 ①	3/4	10.5	5	125	185	8353C030	AL	NBR	-	02425	-	-	-	096875	-	1.5
3/4 ②	3/4	10.5	5	125	185	8353C004	AL	NBR	-	02070	-	-	-	096875	-	1.5
3/4	3/4	10.5	5	125	185	8353C033	AL	NBR	-	02071	-	-	-	096875	-	1.5
1	1 1/8	20	5	125	150	8353C035	AL	HYTREL	-	02073	-	-	-	200262	-	1.7
1 1/2	2	53	10	125	150	8353H038	AL	HYTREL	-	21539	-	-	-	276886	-	3.5
2/2 Normally Closed Remote Pilot Main Pulse Valves with Compression Fittings																
3/4	3/4	15	5	125	150	8353055	AL	HYTREL	-	02827	-	-	-	200262	-	1.5
1	1 1/8	20	5	125	150	8353056	AL	HYTREL	-	02828	-	-	-	200262	-	2.9
1 1/2	2	50	10	125	150	8353A057	AL	HYTREL	-	21538	-	-	-	276886	-	3.8
2/2 Normally Closed Pilot Valves																
1/8	1/8	0.34	0	155	180	X8262C002-13200	BR	NBR	120/60,110/50	00951	8.1	-	-	308047	099216-001-D*	2.3
				125	180	PSF8262C002	BR	NBR	120/60,110/50	00955	6	-	-	302014	204558-001-*	
		0.35	0	125	180	USF8257A001	BR	NBR	120/60,110/50	03256	10	-	-	-	-	0.5

① Supplied with internal slip fit connection on outlet.

② Extended ends for Dresser connections.

Dust Collector Pilot Boxes 2/2 NC 1/8"

No. of Valves	Operating Pressure Differential (psi.)		Max. Fluid Temp. °F	Catalog Number	Voltage	Pilot Box Order Code	Wattage	Approvals	Replacement Pilot Valve Order Code	Replacement Coil Order Code	Approx. Shipping Weight (lbs.)
	Min.	Max.									
2/2 Normally Closed											
4	0	150	180	125468-004-01	120/60, 110/50	125468-004-01	6.0	CSA	00955	204558-001	9.2
8	0	150	180	125469-008-01	120/60, 110/50	125469-008-01	6.0	CSA	00955	204558-001	13.2
12	0	150	180	125470-012-01	120/60, 110/50	125470-012-01	6.0	CSA	00955	204558-001	16

ASCO Scientific AL and AM Series valves are micro-miniature general service valves designed to control the flow of non-corrosive liquids and gases.

- Two-way (2/2) normally closed (opens when energized)
- Three-way (3/2) universal (can function as NC, NO, diverter of 1 fluid, or selector of 2 fluids) operation
- Small size (.75" dia. x 1.5" height), reduced power, long life
- Sized with #10-32 UNF thread or Male #10-32 UNF mounting stud

Micro-Miniature

Pipe Size	Orifice (ins.)	Cv Flow	Maximum Pressure (psi)	Body Material	Sealing Material	Valve Catalog Number and Order Code	Voltage	Watt Rating @ 20°C	Approx. Shipping Weight (oz.)
2/2 Normally Closed - Inline									
#10-32 UNF	0.025	0.015	110	POM	FKM	AL1124	24/DC	0.65	1.3
	0.055	0.038	50	POM	FKM	AL2112	12/DC	0.65	
			100	POM	FKM	AL3124	24/DC	2.0	
	0.090	0.07	30	POM	FKM	AL4124	24/DC	2.0	
						AL4112	12/DC	2.0	
3/2 Universal Operation - Inline									
#10-32 UNF	0.025/0.025	0.015/0.013	110	POM	FKM	AL1312	12/DC	0.65	1.3
	0.055/0.048	0.038/0.033	50	POM	FKM	AL2324	24/DC	0.65	
			100	POM	FKM	AL3324	24/DC	2.0	
	0.090/0.078	0.07/0.06	30	POM	FKM	AL4324	24/DC	2.0	
						AL4312	12/DC	2.0	

Mounting Stud	Orifice (ins.)	Cv Flow	Maximum Pressure (psi)	Body Material	Sealing Material	Valve Catalog Number and Order Code	Voltage	Watt Rating @ 20°C	Approx. Shipping Weight (oz.)
2/2 Normally Closed - Manifold Mount									
#10-32 UNF	0.055	0.038	100	POM	FKM	AM3112	12/DC	2.0	1.3
	0.090	0.07	30	POM	FKM	AM4124	24/DC	2.0	

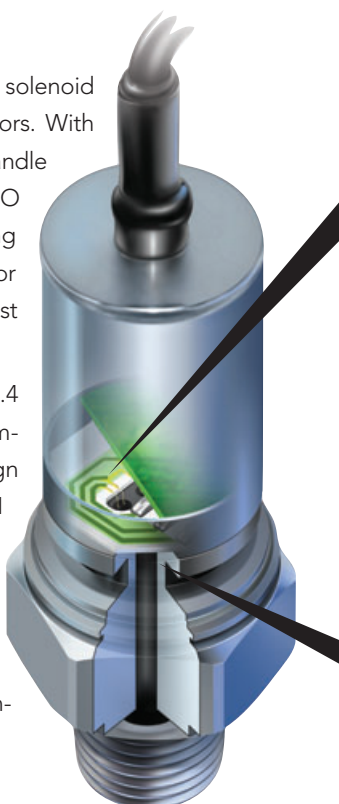


ASCO® Sensors

ASCO, the leader in the design and manufacture of solenoid valves, now offers a complete line of pressure sensors. With pressure ratings up to 10,000 psi and the ability to handle rugged applications like steam and refrigeration, ASCO Pressure Sensors will satisfy your most demanding needs. The ASCO Pressure Sensor line is suitable for accurately measuring many process fluids in the most demanding, pulsating, and vibrating environments.

The one piece pressure cavity is machined from 17.4 PH stainless steel, which offers no source for contamination of the process fluid or the sensor. This design provides the stability, accuracy, flexibility, and EMI resistance that your process needs. This single machined, pressure cavity will also enable you to fill a large variety of applications by standardizing on fewer sensors as well as reducing your inventory.

ASCO Pressure Sensors demonstrate ASCO's commitment to the most reliable flow control solutions.



Sensing Element

- Sensor elements adhered with inorganic material to provide low drift repeatable signal
- Sensor technology provides high sensitivity permitting thicker cavities
- MEM's technology
- Wide operating temperature range
- Ranges up to 10,000 psi
- Rugged construction design for harsh environments

No Leak Path Design

- Pressure cavity is one piece (17.4 PH Stainless Steel) construction
- Pressure sensing surface is integral to body, no separate diaphragm
- Excellent isolation, over pressure and burst characteristics
- No fill fluids utilized

Pressure and temperature switches and transducers are designed to control other devices electrically based on pressure and temperature input. Pressure switches can come in various configurations such as:

- Adjustable deadband (independent adjustable set and reset points) pressure switch operation
- Fixed deadband (adjustable set points and fixed reset points) pressure switch operation
- Two-stage fixed deadband (2 independent switches with adjustable set points and fixed reset points) pressure switch operation
- Limited adjustable deadband (adjustable set and reset points over a defined limited deadband) pressure and temperature switch operation
- Temperature switches use a sealed chemical system to actuate the switch based on temperature changes
- H Series miniature pressure switches 1/8" to 1/4"
- P Series midsize pressure and temperature switches 1/4" to 1/2"
- S Series industrial grade pressure switches 1/4"



H Series Pressure Switches 1/8" - 1/4"

Pipe Size (ins.)	Adjustable Operating Range (psi)	Deadband Range (psi)	Proof Pressure (psi)	Catalog Number and Ordering Code	Type of Operation	Approx. Shipping Weight (lbs.)
Adjustable Deadband						
1/8	4-12	1.6	250	HB46A215	Open Frame	0.8
	4-12	3.0	250	HB46A215L		
	8-25	1.8	250	HB36A215		
	35-80	3.5	250	HB16A215		
	20-50	2.4	250	HB26A215		
	40-120	7.0	250	HC26A215		
	80-100	10.0	250	HC16A215		
	80-100	21.0	250	HC16A215L		
1/4	4-12	1.6	250	HB40A214	General Purpose Enclosure	1.6
				HB46A214	Open Frame	0.8
	8-25	1.8	250	HB30A214	General Purpose Enclosure	1.6
				HB36A214	Open Frame	0.8
	20-50	2.4	250	HB26A214	General Purpose Enclosure	1.6
	40-120	7.0	250	HC20A214		
				HC26A214	Open Frame	0.8

Refer to inside cover for ordering information.

P Series Pressure Switches 1/4"

Transducer Pipe Size (ins.)	Switch Pressure Operating Range (psi)	Proof Pressure (psi)	Minimum Deadband (psi)	Separation Range (psi)	Enclosure Type	Pressure Switch Catalog Number and Order Code	Approx. Shipping Weight (lbs.)	Transducer Part Number and Order Code					Approx. Shipping Weight (lbs.)
								Air or Gas	Air, Gas, or Oil	Water, Air, Oil, or Gas	Corrosive Fluids		
								Nylon & NBR	AL & NBR	BR & NBR	All 316 SS	316 SS & FKM	
Adjustable Deadband													
1/4	2-18	60	1.8	-	GP	PA20A	2	-	RD20A11	RD20A21	-	-	1.0
	4-36	150	4.0	-	GP	PA20A	2	-	RE20A11	-	-	-	
	6-60	150	5.4	-	OF	PA16A	1.3	RE10A71	-	RE10A21	-	-	
					GP	PA10A	2	RE10A71	-	RE10A21	-	-	
					WT	PA11B	2.5	RE10A71	-	RE10A21	-	-	
	10-100	200	9	-	OF	PA16A	1.3	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42	
					GP	PA10A	2	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42	
					WT	PA11B	2.5	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42	
	20-200	400	18	-	OF	PA16A	1.3	-	RG10A11	RG10A21	-	-	
					GP	PA10A	2	-	RG10A11	RG10A21	-	-	
					WT	PA11B	2.5	-	RG10A11	RG10A21	-	-	
	40-400	500	36	-	OF	PA16A	1.3	-	-	RJ10A21	-	-	
GP					PA10A	2	-	-	RJ10A21	-	-		
WT					PA11B	2.5	-	-	RJ10A21	-	-		
Fixed Deadband													
1/4	30"HG-14	50	1"HG	-	OF	PB26A	2	-	-	RV24A21	-	-	1.0
					WT	PB21B	2.5	-	-	RV24A21	-	-	
	0-9	60	.4	-	OF	PB36A	1.3	-	-	RD30A21	-	-	
					WT	PB31B	2.5	-	-	RD30A21	-	-	
	2-18	60	.4	-	GP	PB20A	2	-	RD20A11	RD20A21	-	-	
					WT	PB21B	2	-	RD20A11	RD20A21	-	-	
					OF	PB26A	1.3	-	RD20A11	RD20A21	-	-	
					OF	PB36A	1.3	-	-	-	RE30A44	-	
	4-36	150	.7	-	WT	PB31B	2.5	-	-	-	RE30A44	-	
					GP	PB20A	2	-	RE20A11	-	-	-	
					WT	PB21B	2	-	RE20A11	-	-	-	
					OF	PB26A	1.3	-	RE20A11	-	-	-	
	6-60	150	.9	-	OF	PB16A	1.3	RE10A71	-	RE10A21	-	-	
					GP	PB10A	2	RE10A71	-	RE10A21	-	-	
					WT	PB11B	2.5	RE10A71	-	RE10A21	-	-	
	10-100	200	1.5	-	OF	PB16A	1.3	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42	
					GP	PB10A	2	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42	
					WT	PB11B	2.5	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42	
	20-200	400	3.0	-	OF	PB16A	1.3	-	RG10A11	RG10A21	-	-	
					GP	PB10A	2	-	RG10A11	RG10A21	-	-	
					WT	PB11B	2.5	-	RG10A11	RG10A21	-	-	
	40-400	500	6	-	OF	PB16A	1.3	-	-	RJ10A21	-	-	
					GP	PB10A	2	-	-	RJ10A21	-	-	
					WT	PB11B	2.5	-	-	RJ10A21	-	-	
Two-Stage Fixed Deadband													
1/4	4-36	150	2.0	3.6	WT	PC21B	2.5	-	RE20A11	-	-	-	1.0
	6-60	150	2.4	6.0	GP	PC10A	2	RE10A71	-	RE10A21	-	-	
					WT	PC11B	2.5	RE10A71	-	RE10A21	-	-	
	10-100	200	4	10	GP	PC10A	2	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42	
					WT	PC11B	2.5	RF10A71	RF10A11	RF10A21	RF10A44	RF10A42	
	20-200	400	8	20	GP	PC10A	2	-	RG10A11	RG10A21	-	-	
					WT	PC11B	2.5	-	RG10A11	RG10A21	-	-	
	40-400	500	16	40	GP	PC10A	2	-	-	RJ10A21	-	-	
WT					PC11B	2.5	-	-	RJ10A21	-	-		
60-600	2000	30	60	WT	PC21B	2.5	-	-	-	-	-		
Limited Adjustable Deadband													
1/4	100-1000	5000	65-100	-	OF	PG16A	1.3	-	-	RL10A21	-	-	1.0
					GP	PG10A	2	-	-	RL10A21	-	-	
	600-6000	9000	300-500	-	OF	PG16A	1.3	-	-	-	-	RQ10B42	
					GP	PG10A	2	-	-	-	-	RQ10B42	

Refer to inside cover for ordering information.

S Series Pressure Switches 1/4"

Pipe Size (ins.)	Adjustable Switch Operating Range (psi)	Proof Pressure (psi)	Minimum Deadband (psi)	Separation Range (psi)	Enclosure Type	Pressure Switch Catalog Number and Ordering Code	Approx. Shipping Weight (lbs.)	Transducer Part Number and Order Code			Approx. Shipping Weight (lbs.)
								Air, Gas, or Oil	Water, Air, Oil, or Gas	Corrosive Fluids	
								AL & NBR	BR & NBR	All 316 SS	
Adjustable Deadband											
1/4	1.0-18	100	1.1	-	GP	SA20D	3	TD20A11	-	-	1.0
					WT	SA21D	3	TD20A11	-	-	
	1.5-36	150	2.2	-	GP	SA20D	3	TE20A11	-	-	
					WT	SA21D	3	TE20A11	-	-	
	2-60	150	3.6	-	GP	SA10D	3	-	TE10A21	-	
					WT	SA11D	3	-	TE10A21	-	
				-	EF	SA12D	3.5	-	TE10A21	-	
					3-100	200	6.0	-	GP	SA10D	
	WT	SA11D	3	TF10A11					TF10A21	TF10A44	
	-	EF	SA12D	3.5				TF10A11	TF10A21	TF10A44	
		6-200	400	12				-	GP	SA10D	
	WT				SA11D	3	-		TG10A21	-	
	EF				SA12D	3.5	-		TG10A21	-	
	Fixed Deadband										
1/4	2-60	150	1.5	-	EF	SB12D	3.5	-	TE10A21	-	1.0
	3-100	200	2.5	-	WT	SB11D	3	TF10A11	TF10A21	TF10A44	
				-	EF	SB12D	3.5	TF10A11	TF10A21	TF10A44	
	6-200	400	5.0	-	WT	SB11D	3	-	TG10A21	-	
				-	EF	SB12D	3.5	-	TG10A21	-	
	Two-Stage Fixed Deadband										
1/4	2-60	150	2.2	6	WT	SC11D	3	-	TE10A21	-	1.0
	3-100	200	3.5	10	WT	SC11D	3	TF10A11	TF10A21	TF10A44	
	6-200	400	7.0	20	WT	SC11D	3	-	TG10A21	-	
Manual Reset on Decreasing Pressure											
1/4	2-60	150	3.6	-	GP	SD10D	3	-	TE10A21	-	1.0
	3-100	200	6.0	-	GP	SD10D	3	TF10A11	TF10A21	TF10A44	
	6-200	400	12	-	GP	SD10D	3	-	TG10A21	-	

P Series Temperature Switches 1/2"

Pipe Size (ins)	Adjustable Operating Range °F	Rated Overrange Temp °F	Deadband Type	Deadband Range °F	Temperature Switch Catalog Number and Order Code		Temperature Transducer Catalog Number and Order Code	
					Open Frame	General Purpose	Copper	316 SS
1/2	50-160	260	Limited Adjustable	6-12	PG16A	PG10A	KF10A1	-

Order Code	Description
PP03	P Series Mounting Bracket
QP01	Temperature Transducer 1/2" Brass S Union
SP02	S Series Pressure Switch Adjustment Nut Cover
TA31A11	S Series Replacement Pressure Transducer

How to Order P and S Series Pressure Switches

1. Review the operating specifications.
2. Select the Pressure Switch Order Code corresponding to the desired operation.
3. **Read across** and select the Transducer **Order Code** for the compatible fluid.
4. Pressure Switch and Transducer unit have to be ordered separately.
5. The third digit of each of the catalog numbers must be identical e.g., PA36A and RD30A11.

Components will ship separate; minor field assembly is required.

Filters, regulators, and combination units are designed to regulate pressure and/or clean instrument air of particulate and moisture prior to the air reaching pneumatic equipment.

- Regulators maintain optimum system operating parameters
- Filters clean the air for extended pneumatic system component life and reduced operational downtime
- Size range of 1/8" to 1"



Filters

Series	Pipe Size (ins.)	Bowl Capacity (oz.)		Max. Flow @ 90 psi and 1 psi Drop (SCFM)	Max. Inlet Pressure (psi) @125°F	Filter Capacity (microns)	Min. Ambient Temp. °F	Max. Ambient Temp. °F	Bowl Material	Semi Automatic Drain With Bowl Protection	Approx. Shipping Weight (lbs.)
		Total	Useful							Catalog Number and Order Code	
Filter - 25 Micron with Bowl Protection											
105	1/4	0.90	0.32	37.1	150 ①	25	32	125	PC	342 25 216	1.0
107	1/4	1.61	0.39	51.2	150 ②	25	32	125	PC	342 04 014	
112	1/4	3.65	1.28	63.5	150 ②	25	32	125	PC	342 03 004	2.0
112	3/8	3.65	1.28	84.7	150 ②	25	32	125	PC	342 03 005	
112	1/2	3.65	1.28	84.7	150 ②	25	32	125	PC	342 03 006	
160	3/4	16	4.16	317.5	254	30	15	125	Metal	342 07 381	4.0
160	1	16	4.16	346	254	30	15	125	Metal	342 07 382	
① 175 psi @ 75°F Max. Ambient & Fluid Temperature. ② 230 psi @ 75°F Max. Ambient & Fluid Temperature.											

① 175 psi @ 75°F Max. Ambient & Fluid Temperature. ② 230 psi @ 75°F Max. Ambient & Fluid Temperature.

Regulators

Series	Pipe Size (ins.)	Max. Flow @ 90 psi (CFM)	Max. Inlet Pressure (psi)	Pressure Control Range (psi)	Min. Ambient Temp. °F	Max. Ambient Temp. °F	Catalog Number and Order Code	Approx. Shipping Weight (lbs.)
Regulator - Self-Relieving Air Service								
105	1/8	19.4	175	7 - 120	32	125	342 25 019	1.0
107	1/8	24.7	230	7 - 145	15	140	342 04 035	
105	1/4	22.9	175	7 - 120	32	125	342 25 020	
107	1/4	45.9	230	7 - 145	15	140	342 04 036	
112	1/4	63.5	230	7 - 145	15	140	342 03 055	2.0
112	3/8	105.9	230	7 - 145	15	140	342 03 056	
112	1/2	105.9	230	7 - 145	15	140	342 03 057	
160	3/4	423.3	254	7 - 175	15	140	342 07 435	5.0
160	1	582.1	254	7 - 175	15	140	342 07 436	

Filter/Regulators

Series	Pipe Size (ins.)	Bowl Capacity (oz.)		Max. Flow @ 90 psi (CFM)	Max. Inlet Pressure (psi) @ 125°F	Pressure Control Range (psi)	Filter Capacity	Bowl Material	Min. Ambient Temp. °F	Max. Ambient Temp. °F	Semi Automatic Drain	Automatic Drain	Approx. Shipping Weight (lbs.)
		Total	Useful								Catalog Number and Order Code	Catalog Number and Order Code	
Filter/Regulator Combined - 25 Micron Filtration with Bowl Protector													
105	1/4	0.90	0.32	22.9	150 ②	7 - 120	25	PC	32	125	342 25 212 ③	-	1.0
107	1/4	1.61	0.39	45.9	150 ①	7 - 145	25	PC	32	125	342 04 179 ③	-	
112	1/4	3.65	1.28	63.5	150 ①	7 - 145	25	PC	32	125	-	342 03 138 ③	3.0
112	3/8	3.65	1.28	105.9	150 ①	7 - 145	25	PC	32	125	-	342 03 139 ③	
112	1/2	3.65	1.28	105.9	150 ①	7 - 145	25	PC	32	125	-	342 03 140 ③	
160	3/4	16	4.16	388	254	7 - 175	30	Metal	15	125	-	342 07 462 ③	6.0
① 230 psi @ 75°F Max. Ambient & Fluid Temperature. ② 175 psi @ 75°F Max. Ambient & Fluid Temperature. ③ Supplied with pressure gauge.													

① 230 psi @ 75°F Max. Ambient & Fluid Temperature. ② 175 psi @ 75°F Max. Ambient & Fluid Temperature. ③ Supplied with pressure gauge.

Accessories are flow control device accessories designed to optimize your flow control process.

- Flow Control Devices – Limit volume of media flow
- Pipe Line Strainers – Prevent contaminant from flowing downstream
- Quick Exhaust/Shuttle Valves – High flow interim valve for faster air flow
- Check Valves – Prevent reverse direction media flow
- DIN Connectors – Used with ASCO DIN solenoids to reduce installation and maintenance time
- Electronic Timer – Electric signal control based on adjustable timing inputs
- Muffler – Exhaust noise suppression device and debris prevention

Adjustable Flow Control

Pipe Size (ins.)	Orifice Size (ins.)	Cv Flow Factor		Opening Pressure (psi)	Maximum Operating Pressure Differential (psi)	Max. Fluid Temp. °F	Catalog Number	Order Code
		Meter Flow	Free Flow		Air-Inert Gas, Water, and Light Oil			
Forged Brass Body								
1/4	3/8	.22	1.2	1	300	180	V022A001	00038
3/8	3/8	.90	1.4	1	300	180	V022 002	00035
1/2	7/16	1.2	2.6	1	300	180	V022 003	00036



Pipe Line Strainer

Pipe Size (ins.)	Cv Flow Factor	Screen Mesh Size	Total Free Hole Area (in. ²)	Particle Retention Size		Blow-Off Pipe Size (ins.)	Maximum Fluid Temp. °F	Safe Working Pressure (psi)	Catalog Number	Order Code
				Microns	Inches					
CA Body with Stainless Steel Strainer Element and NBR Seals										
①	.50	80x80	.116	178	.007	-	130	175	PKG8604 002	02160
Forged Brass Body with Stainless Steel Strainer Element and PTFE or FKM Seals										
1/4	1.7	60x60	.325	155	.0061	-	400	750	8600A002	02141
1/2	2.6	100x100	.50	140	.0055	-	400	750	8600A014	02143
3/4	4.7	100x100	.75	140	.0055	-	400	750	8600A015	02144

① 1/4" OD compression fittings not supplied.



Quick Exhaust/Shuttle Valves

Pipe Size (ins.)	Cv Flow Factor		Opening Pressure (psi)	Maximum Operating Pressure Differential (psi)	Max. Air Temp. °F	Catalog Number	Body Material	Order Code
	Pressure to Cylinder	Cylinder to Exhaust						
1/4	0.8	1.0	5	125	125	V043 006	ZN	00044
1/4	2.0	2.0	5	125	125	V043 001	ZN	00039
3/8	3.5	4.5	5	125	125	V043 002	ZN	00040



Check Valves

Pipe Size (ins.)	Orifice Size (ins.)	Cv Flow Factor	Opening Pressure (psi)	Maximum Operating Pressure Differential (psi) Air-Inert Gas, Water, and Light Oil	Max. Fluid Temp. °F	Catalog Number	Order Code
Forged Brass Body with NBR Disc							
1/4	9/32	.70	1	150	200	V012 001	00028
3/8	3/8	1.2	1	150	200	V012 002	00029
1/2	7/16	2.5	1	150	200	V012 003	00030
3/4	1/2	3.6	1	150	200	V012 004	00031



Refer to inside cover for ordering information.

Din Connectors

Description	Orientation	Rotatable	Order Code
Size 11 mm, Form B			
1/2" conduit	Ground Down	180°	290413-001
PG 9 cable gland ②	Ground Down	180°	290414-001
PG 9 cable gland with LED/VDR 120/AC-DC	Ground Down	180°	290415-120
Size 18 mm, Form A			
1/2" conduit	Ground Down	90°	290410-001
PG 11 cable gland	Ground Down	90°	290411-001
PG 11 cable gland with LED/VDR 24/AC-DC	Ground Down	90°	290412-024
PG 11 cable gland with LED/VDR 120/AC-DC	Ground Down	90°	290412-120
6' leads with North American outlet plug	Ground Up	-	272852
PG 11 cable gland for ASCO Timer Drain Valve	Ground Up	90°	272873

② Available in 10 pack as order code 226061-001-*



Electronic Timer

Supply Voltage	Max. Current Consumption	Max. Ambient Temp. °F	Switch Capacity	Inrush Current Capacity	Repeat Accuracy	Scale Accuracy	Adjustable On Time	Adjustable Off Time	Catalog Number and Order Code
24-240V AC/DC 50/60 Hz	4 mA	122	1 Amp	10 Amps for 10 mSec	+/- 0.1%	+/- 10%	2 - 40 Sec	30 Sec to 45 Min	272839-001



Muffler

Pipe Size (ins.)	Body Material	Catalog Number and Order Code
1/8	BR	264645-001
1/4	BR	264645-002



Prefix/Suffix Definitions

Prefix	
D	Shielded Core Design
EF	Explosionproof Enclosure
EV	Explosionproof Enclosure in Stainless Steel
HB	High Temperature Leadco Coil, Class H
HC	Battery Charging Circuits (125 or 250 DC), Class H
HT	High Temperature Leadco Coil, Class H
IS	Intrinsically Safe
J	Wiring Box
JB	Wiring Box with Leads
KF	Screw Terminals, Class F
OF	Open Frame Enclosure
P	Panel Mount
SC	DIN Enclosure (ISO 4400/DIN 43650), Class F (Class H High Temperature for 2, 11, 11.9, 17, and 22.9 watts)
SD	DIN Enclosure (ISO 4400/DIN 43650), Class F
SF	Spade Coil, Class F
SM	Spade Coil, Class B
SP	Spade Enclosure, Class F
SU	DIN Enclosure (ISO 4400/DIN 43650), High Temperature, Class H
U	Open Frame Enclosure
WB	Thermoplastic Encapsulated Watertight Junction Box
WT	Watertight Enclosure
X	Special Construction, varies with TPL number

Suffix	
B	LP Gas Service
C	Position Indication Switch
E	Ethylene Propylene (EPDM)
F	Valve Operation Type (Normally Closed)
HW	Hot Water Construction
L	Metal Seat
LT	Low Temperature Construction
M	Metered Flow Control
MO	Manual Operator, Momentary
MS	Manual Operator, Screw Type
N	Oxygen Service
P	Dry Gas, Non-Lubricated Air
Q	Long Life, Quiet Design
R	Resilient Seating
T	Polytetrafluorethylene (PTFE)
U	Valve Operation Type (Universal)
V	Fluorocarbon (FKM)
VH	Vacuum (High) Construction
VI	Visual Indicator
VM	Vacuum Service (Medium)

Refer to inside cover for ordering information.

Coil Specifications

Maximum Ambient Temperature Ratings for ASCO Coils ①					
Wattage ③	UL Approved Class F Temp. °F	Design Limit Class F Temp. °F	UL Approved Class H Temp. °F	Design Limit Class H Temp. °F	UL Approved and Design Limit Type 7 & 9 Temp. °F ②
0.5	-	-	-	158	-
0.65	-	-	-	77	-
1.6	122	122	-	-	-
2.0	-	-	-	158	-
2.5	140	140	-	-	-
3.0	125	125	-	-	-
5.9	125	125	-	-	-
6.0	-	-	125	125	-
6.1	125	245	140	284	140
6.3	135	135	-	-	104
6.5	104	104	-	-	-
6.9	77	77	-	-	104
9.1	125	173	-	-	-
10.0	140	140	-	-	-
10.1	125	245	140	284	140
11.2	140	140	-	-	-
10.6	125	125	-	-	104
11.6	104	104	-	-	104
12.0	131	131	-	-	104
12.1	-	125	-	-	-
13.8	-	125	-	140	-
14.9	77	77	104	104	-
15.4	77	171	104	213	104
16.1	-	-	140	284	140
16.7	104	104	104	104	104
17.1	-	245	-	212	140
20.0	77	125	-	-	104
20.1	-	173	-	212	140
22.6	104	104	-	-	-
24.6	-	-	104	104	104
28.0	-	-	-	-	104
28.2	125	125	-	-	-
30.6	-	-	77	-	104

① Temperature ratings based on fluids at standard temperature.
 ② 104°F for Zone G.
 ③ For information on 0.44 and 1.4 watt valves please see Catalog 33A.

Abbreviations and Symbols

Abbreviation Descriptions	
AL	Aluminum
BR	Brass
BZ	Bronze
CA	Acetal, Celcon, Delrin
EPDM	Ethylene Propylene
FKM	Fluorocarbon Elastomer
GP	General Purpose (Enclosure Type)
LED	Light Emitting Diode
NBR	Nitrile Butylene
NC	Normally Closed (Operation Type)
NO	Normally Open (Operation Type)
NPBR	Nickel Plated Brass
OF	Open Frame (Enclosure Type)
PA	Poly Amide
PA+FV	Glass Filled Poly Amide
PBT	Polybutylene Terephthalate
PC	Polycarbonate
PE	Polyethylene
PEEK	Polyetheretherketone
PL	Plastic
PTFE	Polytetrafluoroethylene
POM	Poly Oxymethylene
SPDT	Single Pole Double Throw (Mechanical Switch Type)
SS	Stainless Steel
U	Universal (Operation Type)
UNF	Unified National Fine (Thread type)
UR	Urethane
VDR	Varistor for Surge Suppression
WT	Watertight (Enclosure Type)
ZN	Zinc
○	Safety Shutoff
●	General Service
□	Recognized Solenoid

General Information on Elastomer Materials Frequently Used

NBR (Buna "N", Nitrile)

NBR is commonly referred to as a nitrile rubber and is the standard synthetic elastomer for accomplishing resilient-type seating or sealing in ASCO valves. It has excellent compatibility for most air, water, and light oil applications. It has a useful temperature range of 0°F to 180°F (-18°C to 82°C).

EPDM (Ethylene Propylene)

EPDM is selected for applications above the NBR temperature range, such as handling hot water and steam. Ethylene propylene has an extremely wide range of fluid compatibility, but has the distinct disadvantage that it cannot be used with petroleum-based fluids or contaminated fluids (such as lubricated air). It has a useful temperature range of -10°F to 300°F (-23°C to 149°C).

FKM (Viton®/Fluorel®, etc.)

FKM is a fluorocarbon elastomer primarily developed for handling such hydrocarbons as jet fuels, gasolines, solvents, etc., which normally cause detrimental swelling to NBR. FKM has a high temperature range similar to EPDM, but with the advantage of being somewhat more resistant to "dry heat." FKM has a wide range of chemical compatibility. It has a useful temperature range of 0°F to 350°F (-18°C to 177°C).

PTFE (Teflon®, Rulon)

PTFE, and PTFE with fillers are considered more a plastic than a resilient-type material. They are virtually unattacked by any fluid. Their temperature usage has ranged from discs for cryogenic valves to discs for steam valves. They are not easily fabricated and are known to have "cold flow" characteristics which may contribute to objectionable leakage, particularly on gases.

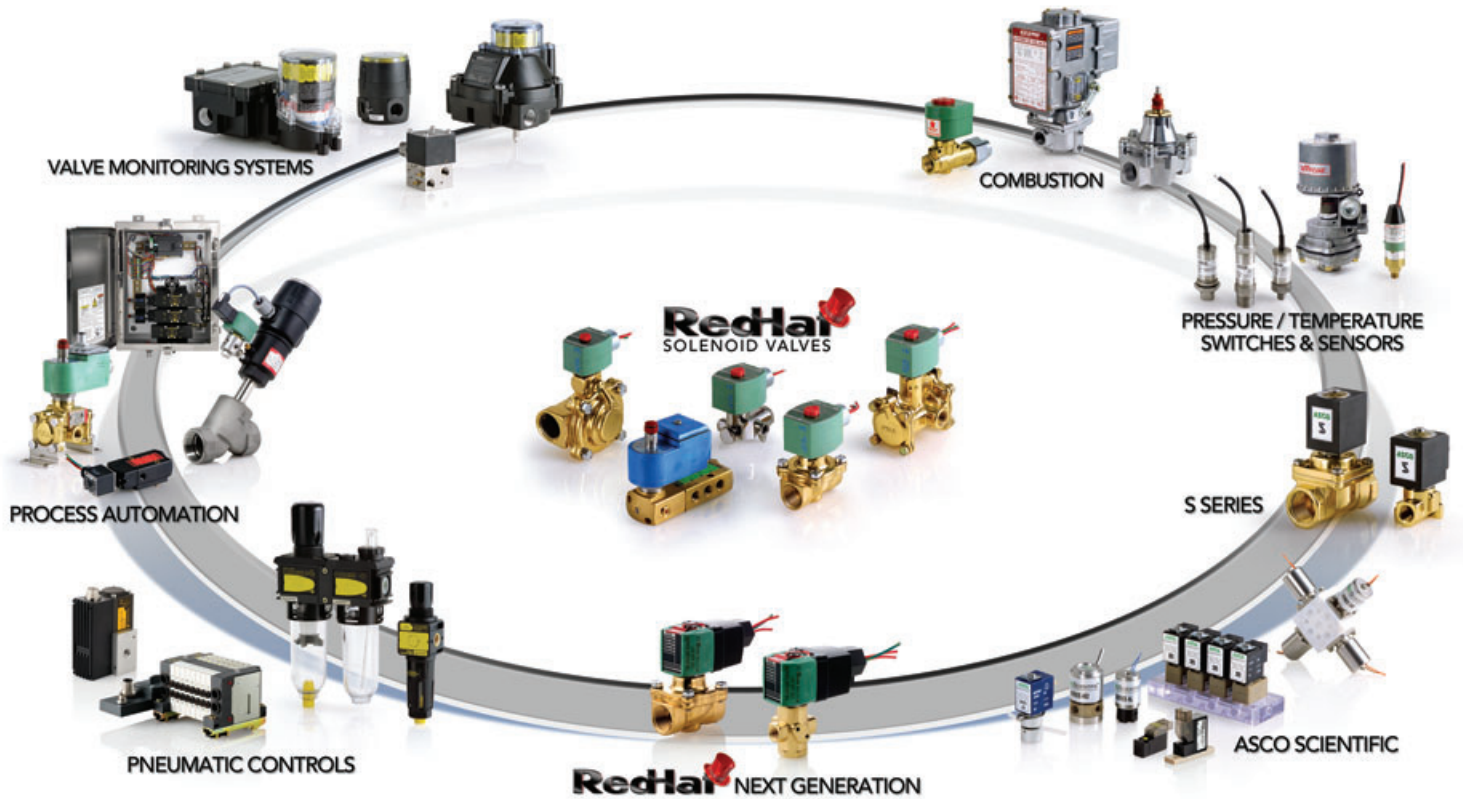
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