Miniature Direct-Acting Solenoid Valves and Coils

Valves—Suitable for air or inert gas. 3-way, 2-position electric-to-air interface valves are solenoid-actuated with spring return and have sufficient flow for cylinders 1" dia. and smaller. Low-watt models draw 0.94W.

- Max. operating pressure: 150 psi, except 115 psi for Low-Watt coils
- Max. temp. range: 0° to 122°F

Note: Coils sold separately on this page.

Pipe Size Voltage Cv CFM		Mfr. Model	Item No.				
Body Ported, Normally Nonpassing Valves							
	12V DC	0.062	2.2	CAT33P-012-D	2G485		
1/8 in	24V DC	0.062	2.2	CAT33P-024-L	4KB43		
78 III	120V AC	0.062	2.2	CAT33P-120-A	2G487		
	No Coil	0.062	2.2	CFM Model ompassing Values 2.2 CAT33P-012-D 2.2 CAT33P-024-L 2.2 CAT33P-024-L 2.2 CAT33P-002-M CAT66P-012-D 7.0 CAT66P-012-D 7.0 CAT66P-024-D 7.0 CAT66P-024-D 7.0 CAT66P-020-D 7.0 CAT68P-020-L 7.0 CAT68P-020-L 7.0 CAT68P-012-D 7.0 CAT77S-012-D 7.0 CAT78-012-D 7.0 CAT78-012-D 7.0 CAT78-012-D 7.0	2G483 *		
	12V DC	0.2		CAT66P-012-D	4HN46		
	24V DC	0.2		CAT66P-024-D	4HN47		
1/4 in	24V DC	0.062	2.2	CAT66P-024-L	4KB45		
	120V AC	0.2		CAT66P-120-A	4HN48		
	No Coil	0.2	7.0	CAT66P-000-N	4KP78 *		
14 in	12V DC	0.056	2.0	CAT44P-012-D	2G497		
1/8 in	120V AC	20V AC 0.056 2.0 C	CAT44P-120-A	2G499			
	12V DC	0.2	7.0	CAT88P-012-D	4HN52		
1/4 in	24V DC	0.2	7.0	CAT88P-024-D	4HN53		
	120V AC	0.2	7.0	CAT88P-120-A	4HN54		
Stack	able, Norn	nally No	npassi	ng Valves			
	12V DC	0.048	1.8	CAT33S-012-D	2G491		
¹⁄₃ in	24V DC	0.048		CAT33S-024-L	4KB47		
	120V AC	0.048	1.8	CAT33S-120-A	2G493		
	12V DC	0.2			4HN49		
1/. in	24V DC	0.2		CAT77S-024-D	4HN50		
1/4 in	24V DC	0.062	2.2	CAT77S-024-L	4KB48		
	120V AC	0.2	7.0	CAT77S-120-A	4HN51		
* Caile and annountally on this name							

* Coils sold separately on this page.

	Voltage	Mfr. Model	Item No.					
	22mm Replacement	Solenoid Coils for ARO 1	%" Valves					
	24V AC/12V DC	116218-38	4HN40					
	24V DC	116218-39	2F793					
	120V AC	116218-33	4HN39					
	240V AC	116218-35	2F789					
30mm Replacement Solenoid Coils for ARO 1/4" Valves								
	12V DC	119690-38	4KP76					
	24V DC	119690-39	4KP77					
	120V AC	119690-33	4KP73					
	240V AC	119690-35	4KP74					

Coils and Connectors—Total coil rating is 311°F, which includes heat rise. AC or DC coils can be interchanged on same solenoid stem. 1 connector required for each coil.

- Max. temp. range: 0° to 122°F
- 100% duty cycle

Hazardous Location Solenoid Coils—Coils fit on the same 22mm armature assembly used by Alpha-, MaxAir-, CAT-, H-, and K-series ARO brand valves available on this page and pages 2432 to 2433. For use in areas where air contains combustible dust or chemical fumes.

- Max. temp. range: 0° to 311°F
- 100% duty cycle coil insulation type

Desc	ription	Voltage	Mfr. Model	Item No.				
22mm Connectors for ARO 1/4" Valves								
Without Lead	Wires	120V AC, 240V AC/12V DC, 24V DC 120V AC, 240V AC/12V DC, 24V DC 120V AC, 240V	CSN	2G505				
With 18" Lead	Wires	120V AC, 240V AC/12V DC, 24V DC	CDW	2G501				
With 36" Mold		AC/12V DC, 24V DC	CHW	2G503 4KB60				
With Indicator	Light, 36" Leads	ight, 36" Leads 120V AC CHL-120						
With Indicator	Light, 36" Leads	ht, 36" Leads 24V DC CHL-024						
30mm Connect	tors for ARO ¼" Va							
Without Lead	Wires	120V AC, 240V AC/12V DC, 24V DC	CSN-30	4HN57				
With 18" Lead	Wires	120V AC, 240V AC/12V DC, 24V DC	CDW-30	4HN55				
With 36" Mold	ed Cable	120V AC, 240V AC/12V DC, 24V DC	CHW-30	4HN56				
Desc	ription	Mfr. Model		Item No.				
Stacking Kits 1	for 1/4" Port Mini S	olenoid Valves						
4HN49, 4HN50	, 4KB48, 4HN51							
2 Station		119698-2		1MLD3				
3 Station		119698-3		1MLD4				
4 Station		119698-4		1MLD5				
5 Station		119698-5		1MLD6 1MLD7				
6 Station	ion 1/II Doub Mini C	119698-6 olenoid Valves 2G491	4VD47 00					
2 Station	OF 78 PUFLIMINI 3	116345-2	, 4KD47, 20	1MLC7				
3 Station		116345-3		1MLC8				
4 Station		116345-4		1MLC9				
6 Station		116345-6		1MLD2				
			lfr.	Item				
Voltage	Inrush Amps H	oldina Amps Ma	idel	No.				
Hazardous Loc	ation Solenoid Co	ils for 1/8" Ported Valv	ies					
120V AC	0.08 A	0.05 A 1147	72-33 4	IKB33				
24V DC	0.4 A	0.3 A 1147	72-39 4	IKB34				



4HN48



4HN39



2G503

Compact Solenoid Valves

- Max. operating pressure: 115 psi
 Max. temp. range: 0° to 122°F
- 18mm wide, 1/8" NPT ported

Feature a standard 1-touch push override and require 1 solenoid connector, sold separately, per coil.

			120VAC 0 Mfr.	OIL	24VDC CO Mfr.	IL Item	12VDC CO	OIL Item
Air Valve Type	Actuator/Return	Cv CFM	Model	No.	Model	No.	Model	No.
1/8" Manifold Mounte								
4-Way, 2-Position	Solenoid/Spring	0.3 30	M819SS-120-A	4KB49	M819SS-024-D	4KB50	_	
4-Way, 2-Position	Solenoid/Solenoid	0.3 30	M819SD-120-A	4KB51	M819SD-024-D	4KB52	_	
1/8 in Body Ported So	lenoids							
4-Way, 2-Position	Solenoid/Spring	0.7 30	M812SS-120-A	4TR81	M812SS-024-D	4TR80	M812SS-012-D	4TR79
4-Way, 2-Position	Solenoid/Solenoid	0.7 30	M812SD-120-A	4TR78	M812SD-024-D	4TR77	M812SD-012-D	4TR76
1/8 in Body Ported So	lenoids, Closed Cent	er Position						
4-Way, 3-Position	Solenoid/Solenoid	0.5 21	M813SD-120-A	4TR84	M813SD-024-D	4TR83	M813SD-012-D	4TR82
1/8 in Body Ported So	lenoids, Open Center	Position						
4-Way, 3-Position	Solenoid/Solenoid	0.5 21	M817SD-120-A	4TR87	M817SD-024-D	4TR86	M817SD-012-D	4TR85
No. of Mi		No. of Stations*	Mfr. Model	Item No.	Descr	iption	Mfr. Model	Item No.
Manifolds for Body Ported Valves Manifolds for I					Solenoid Connect		mouci	IVO.
2 SML8		Mounted Val			Connector, 16mm		ed Leads CHW6	4TR74
4 SML8		2		1KB53	Connector with In		ht	
		4		1KB54	16mm, 39" Leads	24VDC	CHL6-02	4 4KB58
* When using an odd number of stations, Blanking Plate 2F865		8		1KB56	Connector with In		ht. our oac	0 4KBE0
must be used. (sold s		10	SMH81N-10 4	1KB57	16mm, 39" Leads		CHL6-12	20 4KB59
Grainner com)	oparatory on				Connector, 16mm		n Relief CSN6	4TR75

Pine





Manifold Solenoid Valves

- Operating pressure range: 50 to 150 psi
- Temp. range: 0° to 180°F
- 1.2 Cv
- Up to 600 cycles/min.
- Uses 22mm coils

Offer easy valve removal and replacement. Can be used with vacuum with external pilot supply.

Note: When operating below 50 psi, Low-Pressure Kit 4HN96 must be used.

Note: Coils and connectors available separately, this page.

Size	Size Actuator/Return		Model	No.
Valves,	4-Way, 2-Position			
	Solenoid/Spring	12V DC	A249SS-012-D	2G443
1/4 in	Solenoid/Spring	24V DC	A249SS-024-D	4XT40
74 111	Solenoid/Spring	120V AC	A249SS-120-A	2G445
	Solenoid/Solenoid	120V AC	A249SD-120-A	2G439
Valves,	4-Way, 3-Position (Spr			
1/4 in	Solenoid/Solenoid	120V AC	A349SD-120-A	2G463
Accesso	ries for Compact Stac	king Power V		
Low Pro	essure Kit		119306	4HN96
			Mfr.	Item
	Description		Model	No.
Valve M	anifolds			
	n Valve Manifold		118605-2	2F833
4-Static	n Valve Manifold		118605-4	2F835
6-Static	n Valve Manifold		118605-6	2F837
8-Static	n Valve Manifold		118605-8	2F839
Station	Blanking Kit		118612	2F841
Dual-Sr	need Control Kit		118618	2F843

Mfr.

Item

