

ASCO EXPRESS™



Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

FEATURES

- Compact pilot boxes with direct operated, integrated pilot valves
- Especially designed for the remote control of pulse valves (series 353)
- Valve seats are integrated in base plate
- Common exhaust connection for just 1 or 2 (G 3/8) silencers
- Built-in heating elements for trouble free operation at low ambient temperatures
- Degree of protection: IP65
- Facilities for integrated quick fittings



STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 115V-230V/50-60Hz

SPECIFICATIONS

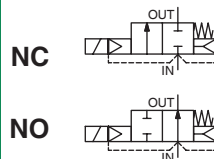
Number of Pilot Valves	Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)		Catalog Number for the Boxes ⁽¹⁾
					Min.	Maximum (PS)	
						Air ~/=	without Heating
2	1/8	3.6	0.35	5.8	0	8.5	SG110A020
3							SG110A030
4							SG110A040
5							SG110A050
6							SG110A060
7							SG110A070
8							SG110A080
9							SG110A090
10							SG110A100
11							SG110A110
12							SG110A120

(1) Minimum ambient temperature without heating elements: 0°C



SOLENOID VALVES

pilot operated, hung diaphragm
brass or stainless steel bodies
3/8" - 2"



2/2
Series
210

FEATURES

- Two way shut-off valves for the control air, inert gas, water, oil and other gases/liquids compatible with the sealing material used
- Valves do not require a minimum operating pressure
- All products are covered by Pressure Equipment Directive 97/23/EC and are suitable for group 1 and 2 fluids
- The solenoid valves satisfy all relevant EC directives



STANDARD VOLTAGES

DC (=) :

24V; 125V(HC)

AC (~) : VC, EF/VCEF, Redhat II
SC, NF, WP, PV

110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz
115V/50Hz; 120V/60Hz; 230V/50Hz

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)								Prefix												No Prefix	Catalog Number		Option	
				Max. (PS)																								
				Min.	Air		Water		Oil		SC														PV	VC	EF/VCEF ⁽³⁾	NF/NFET
	~	=	~		=	~	=																					
NC - Normally closed																												
3/8	16	2.6	43	0.3	14	9	10	7	9	7	●	-	●	●	-	●	●	-	-	●	8210G001	-	V	-				
3/8	16	2.6	43	0.35	14	9	10	7	9	7	●	-	-	-	●	-	-	-	-	●	E210D001	-	V	-				
3/8	16	2.4	40	0	3.4	-	-	-	-	-	●	-	●	●	-	● ⁽⁶⁾	● ⁽⁶⁾	-	-	●	8210G074 ⁽⁶⁾	-	-	-				
3/8	16	2.6	43	0	10	3	10	3	-	-	●	-	●	●	-	●	●	-	●	●	8210G093	-	V	-				
3/8	16	2.6	43	0	9	3	9	3	-	-	●	-	-	-	●	-	●	-	-	●	❖210C093	-	V	-				
1/2	11	1.9	32	0	10	3	9	3	-	-	●	-	●	●	-	●	●	-	-	●	8210G015	-	V	-				
1/2	11	1.9	32	0	10	3	9	3	-	-	●	-	●	●	-	●	●	-	-	●	-	8210G037	V	E				
1/2	16	3.4	57	0	9	3	9	3	-	-	●	-	-	-	●	-	●	-	-	●	❖210C094	-	V	-				
1/2	16	3.4	57	0	10	3	10	3	-	-	●	-	●	●	-	●	●	-	●	●	8210G094 ⁽⁵⁾	-	V	-				
1/2	16	3.4	57	0.3	14	9	10	7	9	7	●	-	●	●	-	●	●	-	-	●	8210G002	-	V	-				
1/2	16	3.4	57	0.35	14	9	10	7	9	7	●	●	-	-	●	-	●	-	-	●	❖210D002 ⁽⁵⁾	-	V	-				
1/2	16	3.4	57	0.3	21	-	21	-	21	-	●	-	●	●	-	-	-	●	-	●	8210G007	-	V	-				
1/2	16	3.4	57	0.35	20	-	20	-	20	-	●	-	-	-	●	-	●	-	●	-	❖210C007	-	V	-				
1/2	19	3.4	57	0.3	-	-	21	21	-	-	●	-	●	●	-	-	-	-	-	●	8210G227	-	-	-				
1/2	16	3.4	57	0	10	3	10	3	9	-	●	-	●	●	-	● ⁽¹⁾	● ⁽²⁾	-	-	●	-	8210G087	V	-				
1/2	16	3.4	57	0	9	3	9	3	9	-	●	-	-	-	●	-	●	-	-	-	-	❖210C087	V	-				
3/4	16	3.9	65	0	10	3	10	3	9	-	●	-	●	●	-	● ⁽¹⁾	● ⁽¹⁾	● ⁽²⁾	-	-	●	-	8210G088	V	E			
3/4	16	3.9	65	0	9	3	9	3	9	-	●	-	-	-	-	-	●	●	-	●	-	❖210C088	V	-				
3/4	19	4.3	72	0	10	3	10	3	-	-	●	-	●	●	-	●	●	-	●	-	●	8210G095	-	V	-			
3/4	19	4.3	72	0	9	3	9	3	-	-	●	-	-	-	●	-	●	-	-	●	-	❖210D095	-	V	E			
3/4	19	4.3	72	0.3	9	7	9	6	9	5	●	-	●	●	-	●	●	-	-	●	8210G009 ⁽⁵⁾	-	V	E				
3/4	19	4.3	72	0.35	9	7	9	6	9	5	●	-	-	-	●	-	-	-	-	●	❖210D009	-	V	-				
1	25	11	183	0	10	-	9	-	9	-	● ⁽⁶⁾	-	-	● ⁽⁶⁾	-	● ⁽⁶⁾	● ⁽⁶⁾	-	-	●	8210G054 ⁽⁶⁾	-	V	-				
1	25	11	183	0.3	10	9	10	9	7	9	●	-	●	●	-	●	●	-	-	●	8210G004	-	V	-				
1	25	11.1	185	0.35	9	9	9	9	9	9	●	-	-	-	●	-	●	-	-	●	❖210D004	-	V	-				
1	25	11	183	0	10	-	9	-	9	-	●	-	●	●	-	-	●	-	-	●	8210G054 ⁽²⁾	-	V	-				
1	25	11	183	0	10	-	9	-	9	-	●	-	-	-	●	-	-	-	-	●	❖210B154	-	V	-				
1	25	11	183	0	10	7	9	7	9	6	●	-	●	●	-	-	-	-	-	●	-	8210G089 ⁽²⁾	V	E				
1	25	11	183	0	10	7	9	7	9	6	●	-	-	-	●	-	●	-	-	●	-	❖210D189	V	-				
1	25	11.6	193	0.7	20	16	20	16	20	14	-	-	-	-	●	-	●	-	-	●	-	❖210B078	-	V	-			

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)								Prefix												No Prefix	Catalog Number		Option										
				Min.	Max. (PS)				SC	PV	VC																EF/ VCEF ⁽³⁾	NF/NFET	JKF/JKH	HT	HB	HC	WP	Brass	Stainless Steel	FPM	EPDM
					Air	Water	Oil																														
	(mm)	(m³/h)	(l/min)	~	=	~	=	~	=	~	=	~	=	~	=	~	=	~	=	~	=	~	=														
NC - Normally closed																																					
1 1/4	28	12.8	213	0	9	6	9	6	9	6	●	-	-	-	●	-	-	-	-	●	-	❖210B155	-	V	-												
1 1/4	29	13	216	0.3	10	9	10	9	7	9	●	-	●	●	-	●	●	-	-	-	●	8210G008	-	V	-												
1 1/4	28	12.8	213	0	9	9	9	9	9	9	●	-	-	-	●	-	-	-	-	●	-	E210D008	-	V	-												
1 1/2	32	19.5	325	0	10	7	9	7	9	6	●	-	●	●	-	-	●	-	-	-	●	8210G056 ⁽²⁾	-	V	-												
1 1/2	32	19.5	325	0	10	7	9	7	9	6	●	-	-	-	●	-	-	-	-	●	-	❖210B156	-	V	-												
1 1/2	32	19.5	325	0.3	10	9	10	9	7	9	●	-	●	●	-	●	●	-	-	-	●	8210G022	-	V	-												
1 1/2	32	19.3	322	0.35	9	9	9	9	9	9	●	-	-	-	●	-	●	-	-	●	-	❖210D022	-	V	-												
1 1/2	32	19.3	322	0.7	20	16	20	14	20	14	●	-	-	-	●	-	●	-	-	●	-	❖210B082	-	V	-												
1 1/2	32	19.3	322	0.35	9	9	9	9	9	9	●	-	-	-	●	-	●	-	-	●	-	-	❖210A127	V	-	-											
2	44	37	617	0.35	9	3	9	3	6	3	●	-	-	-	●	-	●	-	-	●	-	❖210-100	-	V	-												
2	44	37	617	0.3	10	6	9	3	3	3	●	-	●	●	-	●	●	-	-	-	●	8210G100	-	V	-												
Gas shut-off - Normally closed																																					
1/2	16	3.1	52	0.3	17	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	●	8210G106B	-	-	-	-											
1/2	16	3.1	52	0	3.4	-	-	-	-	-	●	-	●	●	-	-	●	-	-	-	●	8210G075	-	-	-	-											
3/4	16	4.3	72	0	3.4	-	-	-	-	-	●	-	●	●	-	-	●	-	-	-	●	8210G076	-	-	-	-											
NO - Normally open																																					
1/2	16	3.4	57	0	10	9	10	9	9	6	●	-	●	●	-	●	●	-	●	-	●	8210G034	-	V	-	-											
1/2	16	3.4	57	0	9	9	9	9	9	5	●	-	-	-	●	-	●	-	-	●	-	❖210C034	-	V	-	-											
1/2	16	2.6	43	0	10	9	10	9	7	6	-	-	-	-	●	-	●	-	-	●	-	-	❖210B030	V	-	-											
3/4	16	2.6	43	0	10	9	10	9	7	6	●	-	●	●	-	●	●	-	-	-	●	8210G038	-	V	-	-											
3/4	16	2.6	43	0	10	9	10	9	7	6	-	-	-	-	●	-	●	-	-	●	-	❖210B038	-	V	-	-											
3/4	19	4.7	79	0	10	9	0	9	9	6	●	-	●	●	-	●	●	-	●	-	●	8210G035	-	V	-	-											
3/4	19	4.7	79	0	10	9	10	9	9	6	●	-	-	-	●	-	●	-	-	●	-	❖210C035	-	V	-	-											
1	25	11.2	185	0	9	-	9	-	9	-	●	-	-	-	●	-	-	●	-	●	-	❖210B057	-	-	-	-											
1	25	11.1	185	0.35	9	9	9	9	9	9	●	-	-	-	●	-	-	-	-	●	-	8210D014	-	-	-	-											
1	25	11	185	0.3	10	-	10	-	9	-	-	-	●	●	-	-	●	-	-	-	●	8210G014 ⁽⁶⁾⁽⁷⁾	-	-	-	-											
1 1/2	32	19.5	325	0.3	10	-	10	-	9	-	●	-	●	●	-	-	-	-	-	-	●	8210G032	-	-	-	-											

• Available Express

(1) DC only

(2) In case of AC, the standard voltage will be 110V/50 Hz; 120V/60 Hz; 220V/50 Hz; 240V/60 Hz

(3) Please refer to the page 69 for VCEF installation

(4) 0.3 bar on Air; 0.0 bar on Water

(5) Additional Express model: 8210G094HW, 210D002MO, 8210G009MO, 8210G009HW & 8210G034VM

(6) TPL 24047 also available

(7) TPL 24062 also available

(8) AC only

• Stands for options of "B or 8" for NPT port thread and "E" for BSP port thread



SOLENOID VALVES

high flow low pressure
aluminum body
1/8" - 3"

NC



NO



2/2

Series

215

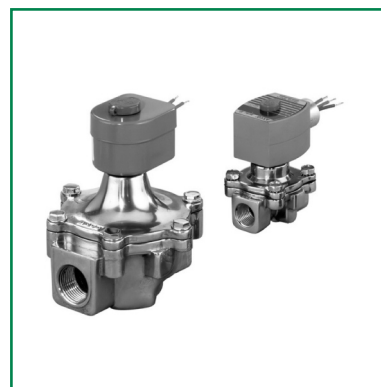
FEATURES

- Lightweight, low-cost valves for air service
- Ideal for low pressure applications
- Provides high flow, Cv up to 138 (Kv 118)
- Air and vacuum service

STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz



SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)	Gas Capacity Btu/hr	Operating Pressure Differential (bar)			Max. Fluid Temp.°C		Prefix		No Prefix	Catalog Number
				Min.	Max. AC	Max. DC	AC	DC	EF/VCEF ⁽¹⁾	HT		
					Air-Fuel Gas	Air-Fuel Gas						
NC - Normally closed (Closed when de-energized)												
1/2	19	3.8	238500	0	3.4	1.7	52	40	●	●	●	8215G020
3/4	19	4.4	247500	0	3.4	1.7	52	40	●	●	●	8215G030
1	41	18	1119000	0	1.7	-	52	-	-	●	●	8215B050
1	41	18	1119000	0	1.7	1.7	52	25	●	-	●	8215G050 ⁽³⁾
1	41	18	1119000	0	0.3	-	52	-	●	-	●	X8215G050 ⁽²⁾⁽³⁾
1 1/4	41	27	1730000	0	0.3	-	52	-	●	-	●	X8215G060 ⁽²⁾⁽³⁾
1 1/2	53	51	3251000	0	1.7	-	52	-	-	●	●	8215B070
1 1/2	53	51	3251000	0	1.7	1	52	25	●	●	●	8215G070 ⁽³⁾
1 1/2	53	51	3251000	0	0.3	-	52	-	●	●	●	X8215G070 ⁽²⁾⁽³⁾
2	53	51	3251000	0	1.7	-	52	-	-	●	●	8215B080
2	53	51	3251000	0	1.7	1	52	25	●	●	●	8215G080 ⁽³⁾
2	53	51	3251000	0	0.3	-	52	-	●	●	●	X8215G080 ⁽²⁾⁽³⁾
NO - Normally open (Open when de-energized)												
1/2	19	3.4	206250	0	8.6	8.6	52	40	●	●	●	8215G023
3/4	19	3.9	247500	0	8.6	8.6	52	40	●	●	●	8215G033
1 1/2	41	32	1988250	0	1.7	1	52	25	-	-	-	8215C073
1 1/2	41	32	1988250	0	1.7	1	52	25	●	-	●	8215G073 ⁽³⁾

- Available Express

(1) Please refer to the page 69 for VCEF installation

(2) Available option: TPL 24080 for low pressure gas & TPL 24047 for KOSHA approval

(3) In case of AC, the standard voltage will be 220V/50 Hz



HOT WATER AND STEAM VALVES

Brass or Stainless Steel Bodies
1/8" - 2 1/2" NPT

2/2
Series
220

FEATURES

- Hot water service to 210 psi differential @ 210°F;
Steam service to 125 psi differential @ 353°F
- Specify these valves for the high-temperature applications found in laundries, molding, steam atomization, sterilizers, autoclaves, and many others
- Pilot operated diaphragm valves
- Pilot operated diaphragm and piston valves; floating PTFE diaphragms or stainless steel pistons with EPDM or PTFE discs, available in both AC & DC voltages



STANDARD VOLTAGES

AC (~) : 110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz

SPECIFICATIONS

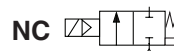
Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)	Operating Pressure Differential (bar)				Max. Fluid Temp. °C				No Prefix	Catalog Number	
			Min.	Max. AC		Max. DC		AC		DC		Brass Body	
				Steam	Hot Water	Steam	Hot Water	Steam	Hot Water	Steam			Hot Water
Steam/Hot water service - Pilot operated - Normally closed (Closed when de-energized)													
1/2	16	4	0.3	9	10	-	-	177	98	-	-	●	8220G021
3/4	19	7.5	0.3	9	10	-	-	177	98	-	-	●	8220G023
1	25	11.57	0.3	9	10.3	-	-	178	99	-	-	●	8220G025

- Available Express



SOLENOID VALVES

high pressure
brass or stainless steel bodies
1/4" - 3/4"



2/2
Series
223

FEATURES

- Rugged piston construction built to withstand pressure ratings to 1500 psi
- Angle body design for high flows
- Ideal for high-pressure water applications, such as car washes
- Mountable in any position



STANDARD VOLTAGES

DC (=) : 24V
AC (~) : VC, EF/VCEF, Redhat II 110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz
SC, NF 115V/50Hz; 120V/60 Hz; 230V/50Hz

SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)	Operating Pressure Differential (bar)							Max. Fluid Temp. °C		Prefix						No Prefix	Catalog Number	
			Min.	Max. AC			Max. DC												Brass	Stainless Steel
				Air-Inert Gas	Water	Light Oil @ 300 SSU	Air-Inert Gas	Water	Light Oil @ 300 SSU	AC	DC	SC	VC	EF/VCEF ⁽¹⁾	NF/NFET	HB				
NC - Normally closed (Closed when de-energized)																				
3/8	8	1.3	0.7	52	52	52	28	28	28	93	65	-	-	●	-	-	●	8223G023	-	
1/2	10	2.7	1.7	103	103	103	34	34	34	93	65	-	●	●	-	●	●	8223G003	-	
1/2	9	2.7	1.8	100	100	100	35	35	35	90	90	-	-	-	●	-	-	-	B223A010	
1/2	10	2.7	1.7	103	103	103	34	34	34	93	65	●	●	●	-	●	●	-	8223G010	
3/4	19	6.7	1.8	50	50	50	20	20	20	90	90	-	-	-	●	-	-	B223B005	-	
3/4	19	6.7	1.7	52	52	52	31	31	31	93	65	●	-	-	-	-	●	8223G005	-	
3/4	19	6.7	1.8	50	50	50	20	20	20	90	90	-	-	-	●	-	-	-	B223A012	
3/4	19	6.7	1.7	52	52	52	31	31	31	93	65	-	-	●	-	-	●	-	8223G012	

• Available Express

(1) Please refer to the page 69 for VCEF installation

FEATURES

- Minimum operating pressure differential ΔP 0.3/0.5 bar
- Two way valves for automatic control of water, air and inert gas and other gases/liquids compatible with the sealing materials used
- Interchangeability of magnetic heads, AC and DC
- The solenoid valves satisfy all relevant EC Directives

STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 115V/50Hz-120V/60Hz; 230V/50-60Hz



SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)			Power Coil (W)		Prefix	Catalog Number		Option	
				Min.	Max. (PS)							Maintained Man.Operator	Seal
					Air / Water								
G	(mm)	(m³/h)	(l/min)		~	=	~	=	SC	Brass	Stainless Steel		
NC - Normally closed													
3/8	12.5	2.1	35	0	10	10	6	15.3	●	G238A044 ⁽¹⁾	-	-	V
1/2	12.5	2.1	35	0	10	10	6	15.3	●	G238A046 ⁽¹⁾	-	-	V
3/4	19	4.5	75	0	10	10	6	15.3	●	G238A048 ⁽¹⁾	-	-	V
1	25	10	166	0	10	10	9	15.3	●	G238A050 ⁽¹⁾	-	-	V
3/8	12	2.4	40	0.3	10	10	4	6.9	●	E238D001	-	-	V
3/8	13.5	2.5	41.7	0.35	12	12	4	6.9	●	-	G238D101V	MO	E
1/2	12	2.4	40	0.3	10	10	4	6.9	●	E238D002	-	-	V
1/2	13.5	3.8	63.3	0.35	12	12	4	6.9	●	-	G238D102V	MO	E
1/2	15	4.2	70	0.3	10	10	4	6.9	●	E238D003	-	MO	V
3/4	20	6.6	110	0.3	10	10	4	6.9	●	E238D004	-	MO	V
3/4	18	5	83.3	0.35	10	10	4	6.9	●	-	G238D103V	MO	E
1	25	9.9	165	0.3	10	10	4	6.9	●	E238D005	-	MO	V
1	24	12	200	0.35	10	10	4	6.9	●	-	G238D104V	MO	E
3/8	12	2.4	40	0.3	16	16	5	6.9	●	E238D006	-	-	V
1/2	12	2.4	40	0.3	16	16	5	6.9	●	E238D007	-	-	V
1/2	15	4.2	70	0.3	16	16	5	6.9	●	E238D008	-	MO	V
3/4	20	6.6	110	0.3	16	16	5	6.9	●	E238D009	-	MO	V
1	25	9.9	165	0.3	16	16	5	6.9	●	E238D010	-	MO	-
1 1/4	30	15	250	0.5	10	10	8	9	●	G238F016 ⁽²⁾	-	MO	V
1 1/2	45	27	450	0.5	10	10	8	9	●	G238F017 ⁽²⁾	-	MO	V
2	45	34	566	0.5	10	10	8	9	●	G238F018 ⁽²⁾	-	MO	V
NO - Normally open													
3/8	13.5	2.5	41.7	0.35	12	12	4	6.9	●	-	G238D105V	MO	E
1/2	13.5	3.8	63.3	0.35	12	12	4	6.9	●	-	G238D106V	MO	E
3/4	18	5	83.3	0.35	10	10	4	6.9	●	-	G238D107V	MO	E
1	24	12	200	0.35	10	10	4	6.9	●	-	G238D108V	MO	E
1 1/4	30	15	250	0.5	10	10	12.5	9	●	G238E019 ⁽²⁾	-	-	-
1 1/2	45	27	450	0.5	9	9	12.5	9	●	G238E020 ⁽²⁾	-	-	-
2	45	34	566	0.5	9	9	12.5	9	●	G238E021 ⁽²⁾	-	-	-

• Available Express

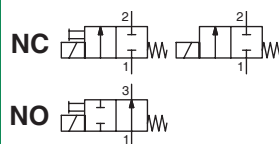
(1) In case of AC, the standard voltage will be 115/50 Hz; 120V/60 Hz; 230V/50 Hz

(2) In case of AC, the standard voltage will be 220V/50 - 240V/60 Hz



SOLENOID VALVES

direct operated
brass or stainless steel bodies
1/8" - 1/4"



2/2
Series
256

FEATURES

- Wide range of flow and pressure ratings
- Quick disassembly of core tube for easy maintenance of internal parts
- Standard disc seal made of FPM suitable for a wide range of operating temperatures and compatible with many fluids
- Standard manual operator allows an easy installation
(Except 4 and 5 mm orifice sizes)
- AC/DC interchangeability of the solenoid without disassembly of the valve
- Compact and low weight valve



STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 115V/50Hz-120V/60Hz; 230V/50-60Hz

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)								Power Coil (W)		Prefix			Catalog Number		Options
				Min.	Max. (PS)						Brass						Stainless Steel		
					Air		Water		Oil										
G	(mm)	(m³/h)	(l/min)		~	=	~	=	~	=	~	=	SC	PV	U	~/=	~/=		
NC - Normally closed																			
1/8	1.2	0.05	0.8	0	28	20	28	20	28	20	4	6.9	●	-	-	G256B001V	-	MS	
1/8	1.6	0.08	1.33	0	20	12	20	12	20	12	4	6.9	●	-	●	-	8256B014V	-	
1/8	1.6	0.08	1.33	0	20	12	20	12	20	12	4	6.9	●	-	-	G256B002V	G256B014V	MS	
1/8	2	0.11	1.83	0	15	6	15	6	15	6	4	6.9	●	-	-	G256B003V	-	-	
1/8	2	0.11	1.83	0	15	6	15	6	15	6	4	6.9	●	-	-	-	G256B015V	MS	
1/8	2.4	0.13	2.16	0	12	4	12	4	12	4	4	6.9	●	-	-	G256B004V	-	-	
1/8	2.4	0.13	2.16	0	12	4	12	4	12	4	4	6.9	●	-	●	-	8256B016V	-	
1/8	2.4	0.13	2.16	0	12	4	12	4	12	4	4	6.9	●	-	-	-	G256B016V	MS	
1/4	1.6	0.08	1.33	0	20	12	20	12	20	12	4	6.9	●	●	-	-	G256A414V ⁽¹⁾	-	
1/4	1.6	0.08	1.33	0	20	12	20	12	20	12	4	6.9	●	-	-	-	8256B414V	-	
1/4	1.6	0.08	1.33	0	20	12	20	12	20	12	4	6.9	●	-	-	G256B402V	G256B414V	MS	
1/4	1.6	0.08	1.33	0	20	15	20	15	20	15	5	6.9	●	-	-	G256B466V	-	MS	
1/4	1.6	0.08	1.33	0	20	15	20	15	20	15	5	6.9	●	-	-	-	8256B434V	-	
1/4	1.6	0.08	1.33	0	20	15	20	15	20	15	5	6.9	●	-	-	-	G256B434V	MS	
1/4	2.4	0.16	2.67	0	12	4	12	4	12	4	4	6.9	●	-	-	G256B404V	G256B416V	MS	
1/4	2.4	0.16	2.67	0	15	8	15	8	15	8	5	6.9	●	-	-	G256B470V	G256B436V	MS	

• Available Express

(1) TPL 24071: 256 series with lower rating PV coil 3 watt

FEATURES

- Reliable, proven design with high flows
- Small poppet valves for tight shutoff
- Wide range of elastomers for specialty service
- Mountable in any position
- Brass and stainless steel constructions



STANDARD VOLTAGES

DC (=) :

24V

AC (~) : SC, EF/VCEF, Redhat II
NF, WP

110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz
115V/50Hz; 120V/60Hz; 230V/50Hz

SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)	Operating Pressure Differential (bar)						Max. Fluid Temp °C		Prefix							No Prefix	Catalog Number	
			Max AC @ 55°C			Max DC @ 55°C					SC	EF/VCEF ⁽¹⁾	NF/NFET	JKF/JKH	HT	WP	Brass		Stainless Steel	
			Air-Inert Gas	Water	Lt. Oil @300 SSU	Air-Inert Gas	Water	Lt. Oil @300 SSU	AC	DC										
NC - Normally closed																				
1/8	3.2	0.3	11	12	9	5	5	5	90	90	-	-	●	-	-	●	-	❖262C002	-	
1/8	3.2	0.3	13	12	8	8	7	6	82	82	●	●	-	-	-	-	●	8262H002	-	
1/4	2.4	0.17	25	25	11	10	8	8	90	90	●	-	●	-	●	●	-	❖262C020	-	
1/4	3.2	0.3	9	11	6	4	4	4	90	90	●	-	●	-	-	●	-	❖262C022	-	
1/4	3.2	0.3	20	20	13	5.0	4.0	4.0	90	90	-	-	●	-	-	●	-	❖262D232	-	
1/4	4	0.43	12	13	10	2.5	2.5	3	90	90	-	-	●	-	-	●	-	❖262C202	-	
1/4	4	0.45	14	14	10	4	4	4	82	82	●	●	-	●	●	-	●	8262H202	-	
1/4	5.6	0.63	7	7	7	2	2	2	82	82	●	●	-	●	●	-	●	8262H208	-	
1/4	5.6	0.63	6.5	6.5	6.5	1.7	1.7	1.7	90	90	●	-	●	-	-	●	-	❖262C208	-	
1/4	7	0.75	6	6.5	6	1.7	1.3	1.3	90	90	-	-	●	-	-	●	-	❖262B212	-	
1/4	2.4	0.15	25	23	11	10	8	8	90	90	-	-	●	-	●	●	-	-	❖262C086	
1/4	3.2	0.3	9	11	8	4	4	4	90	90	-	-	●	-	-	●	-	-	❖262C007	
1/4	3.2	0.3	13	12	6	8.0	7.0	6.0	82	82	●	●	-	-	-	-	●	-	8262H007	
1/4	4	0.43	12	13	10	2.5	2.5	3	90	90	-	-	●	-	●	●	-	-	❖262C220	
1/4	4	0.45	14	14	10	-	-	-	82	-	●	●	-	●	●	-	●	-	8262H220	
1/4	5.6	0.62	6.5	6.5	6.5	1.7	1.7	1.7	90	90	-	-	●	-	-	●	-	-	❖262C226	
1/4	5.6	0.73	2.5	3	2.5	1.2	1.3	1.3	90	90	-	-	●	-	-	●	-	-	❖262C036	
NO - Normally open																				
1/4	1.2	0.05	52	52	52	45	39	28	82	82	●	●	-	●	●	-	●	❖262H260	-	
1/4	2.4	0.17	20	17	16	13	10	8	40	40	-	-	●	-	-	●	-	-	❖262A134	
1/4	2.4	0.18	19	16	12	11	9	7	82	82	●	●	-	●	●	-	●	-	❖262H261	
1/4	3.2	0.3	9	7	6.5	5.5	4	4	90	90	-	-	●	-	-	●	-	-	❖262A138	
1/4	3.2	0.3	11	10	9	7	7	5	82	82	●	●	-	●	●	-	●	-	❖262H138	
1/4	4	0.43	5.5	5	4	3	3	3	90	90	-	-	●	-	-	●	-	-	❖262A263	

• Available Express

(1) Please refer to the page 69 for VCEF installation

❖ Stands for options of "B or 8" for NPT port thread and "E" for BSP port thread

FEATURES

- Solenoid valves for medical analysers, biotechnology and chemical industry
- Any application where the fluid may not come into contact with the electromagnetic control section of the solenoid valves
- The solenoid valves are ideal for controlling aggressive fluids and have easy to flush internal cavities

STANDARD VOLTAGES

DC (=) : 12V-24V

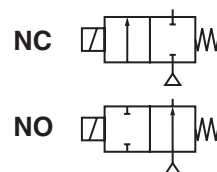


SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Min.	Operating Pressure Differential (bar)		Power Coil (W)	Catalog Number
					Max. (PS)			
	(mm)	(m³/h)	(l/min)		Air, Inert Gases	Liquids	=	
NC - Normally closed								
X282 8-stations 24DC, blind hole, M6, 8°FPM	1.5	0.04	0.66	0	2	2	2.5	X282433248001F1
X282 8-stations 24DC, blind hole, M6, 5°FPM, 3°FPPM (1,2,3)								X282433248002F1
X282 8-stations 24DC, through hole, 1/4-28, 8°FPM								X282433248003F1
X282 8-stations 24DC, through hole, 1/4-28, 7°FPM, 1°FPPM (1)								X282433248004F1
X282 8-stations 24DC, blind hole, 1/4-28, 7°FPM, 1°FPPM (1)								X282433248006F1
X282 8-stations 24DC, through hole, 1/4-28, 8°FPPM								X282433248008F1
X282 8-stations 24DC, blind hole, M6, 5°FPM, 3°FPPM (4,5,6)								X282433248010F1
X282 8-stations 24DC, through hole, 1/4-28, 7°FPM, 1°FPPM (4)								X282433248011F1
X282 8-stations 24DC, blind hole, 1/4-28, 8°FPM								X282433248012F1
X282 8-stations 24DC, blind hole, 1/4-28, 5°FPM, 3°FPPM (1,2,3)								X282433248013F1
X282 8-stations 24DC, blind hole, 1/4-28, 8°FPPM								X282433248015F1
X282 4-stations 12DC, blind hole, 5*1/4-28, FPM diaphragm, PVDF valve body								X282433251001F3
X282 4-stations 24DC, blind hole, 5*1/4-28, FPM diaphragm, PVDF valve body, 2.5W								X282433251007F1

PINCH SOLENOID VALVE

pinch mechanism
for flexible tube
O.D. 3.2 mm



2/2
Series
284

FEATURES

- Solenoid valve suitable for cutting off the flow of a fluid by pinch
- For sterile, aseptic, physiological and food applications
- No turbulence or gap when cutting off flow by pinch
- Silent operation
- Full bore output flow compared with a traditional solenoid valve
- Manual pulse control for fitting tube
- A single component in contact with the fluid, i.e. the tube
- Bi-directional flow
- The tubings are included in our supply, 30cm length
- The solenoid valves satisfy all relevant EC directives



STANDARD VOLTAGES

DC (=) : 12V-24V

SPECIFICATIONS

Tube I.D.	Tube O.D.	Pinch Force	Operating Pressure Differential (bar)			Power Coil (W)		Mounting Flange	Catalog Number
			Min.	Max. (PS)					
				Air Inert Gas (*)	Liquids (*)				
(mm)	(mm)	(daN)		=	=	~	=	(mm)	=
1.6	3.2	0.28	0	1.5	1.5	-	2.8	26	P284A020LCA00V1
									P284A020LCA00V3
									P284A021LCA00V1 ⁽¹⁾
									P284A021LCA00V3 ⁽¹⁾
1.6	3.2	0.6	0	1.5	1.5	-	2.8		P284A022LCA00V1
									P284A022LCA00V3
								P284A023LCA00V1 ⁽¹⁾	
								P284A023LCA00V3 ⁽¹⁾	
1.6	3.2	0.6	0	1.5	1.5	-	2.8	33	P284A026LCA00V1
									P284A026LCA00V3
									P284A027LCA00V1 ⁽¹⁾
									P284A027LCA00V3 ⁽¹⁾
1.6	3.2	0.28	0	1.5	1.5	-	2.8		P284A028LCA00V1
									P284A028LCA00V3
								P284A029LCA00V1 ⁽¹⁾	
								P284A029LCA00V3 ⁽¹⁾	

(1) The flange is rotatable with 90°

FEATURES

- The proportional solenoid valves can handle a variable flow of fuel vapour, proportional to the control signal
- The high quality FPM disc core construction guarantees a long operating life and a wide temperature range
- Explosion proof operator, intended for use in potentially explosive areas, according to Directive ATEX 2014/34/EU
- Easy electrical installation by means of the moulded-in supply cable, standard length of 2 meter
- ASCO Numatics components satisfy all relevant EC directives



STANDARD VOLTAGES

DC (=) : 24V

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)		Catalog Number
				Min	Max. PS	
G	(mm)	(m ³ /h)	(l/min)		=	
NC - Normally closed						
1/4	5.6	0.73	12.2	0	1	PVG291A210
1/4	5.6	0.73	12.2	0	1	PVXG291A210 TPL24069 ⁽¹⁾
3/4	20	3.9	65	0.3	3.5	PVXG291A111 TPL26688 ⁽²⁾

- Available Express

(1) 5 watts coil with 3m cable, PTFE disc & FPM O-ring

(2) The outlet is perpendicular to the inlet

FEATURES

- Compact design for the control of single-acting actuators or filling and draining cycles
- Wide range of flow and pressure ratings
- Quick disassembly of core tube for easy maintenance of internal parts
- Standard disc seal made of FPM suitable for a wide range of operating temperatures and compatible with many fluids
- Standard manual operator allows an easy installation
- AC/DC interchangeability of the solenoid without disassembly of the valve
- Compact and low weight valve



STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 115V/50Hz-120V/60Hz; 230V/50-60Hz

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv				Operating Pressure Differential (bar)			Power Coil (W)		Prefix		Catalog Number		Options
		2 → 1		3 → 1		Min.	Max. (PS)	Brass					Stainless Steel		
							Air, Water, Oil								
G	(mm)	(m³/h)	(l/min)	(m³/h)	(l/min)		~	=	~	=	SC	U	~/=	~/=	
NC - Normally closed															
1/8	1.2	0.05	0.8	0.05	0.8	0	15	15	4	6.9	●	-	8356B001V	-	-
1/8	1.2	0.05	0.8	0.05	0.8	0	15	15	4	6.9	●	-	G356B001V	-	MS
1/8	1.6	0.08	1.33	0.05	0.8	0	10	10	4	6.9	●	-	G356B002V	-	MS
1/8	2	0.1	1.66	0.05	0.8	0	5	5	4	6.9	●	-	G356B003V	-	MS
1/8	1.2	0.05	0.8	0.05	0.8	0	15	15	4	6.9	●	-	-	8356B013V	-
1/8	2	0.1	1.66	0.05	0.8	0	5	5	4	6.9	●	-	-	G356B015V	MS
1/8	2.4	0.13	2.1	0.05	0.8	0	4	4	4	6.9	●	-	G356B004V	-	-
1/8	2.4	0.13	2.1	0.05	0.8	0	4	4	4	6.9	●	●	-	8356B016V	-
1/8	2.4	0.13	2.1	0.05	0.8	0	4	4	4	6.9	●	-	-	G356B016V	MS
1/4	1.6	0.08	1.33	0.05	0.8	0	10	10	5	6.9	●	-	-	8356B434V	-
1/4	1.6	0.08	1.33	0.05	0.8	0	10	10	5	6.9	●	-	G356B466V	G356B434V	MS
1/4	2.4	0.16	2.67	0.05	0.8	0	4	4	5	6.9	●	-	G356B470V	G356B436V	MS
NO - Normally open															
1/8	1.2	0.05	0.8	0.05	0.8	0	8.5	8.5	4	6.9	●	-	8356B005V	-	-
1/8	1.6	0.096	1.6	0.05	0.8	0	8.5	8.5	4	6.9	●	-	G356B006V	-	MS
U - Universal															
1/8	1.2	0.05	0.8	0.05	0.8	0	7	7	4	6.9	●	●	8356B009V	-	-

• Available Express

FEATURES

- Molded one-piece solenoid with highly efficient solenoid cartridge and special low wattage coil
- Increased ambient temperature capabilities up to 175°F (80°C)
- Designed for use in automation of plant control systems to provide:
 - PLC compatibility
 - Reduced battery drain
 - Reduced heat rise
 - Reduced wiring cost
- Air or inert gas only



STANDARD VOLTAGES

DC (=) : 24V

SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)		Operating Pressure Differential (bar)		Max. Fluid and Ambient Temp. °C	Prefix				No Prefix	Catalog Number	
				Air-Inert Gas									
		Pressure to Cylinder	Cylinder to Exhaust	Min.	Max.		VC	EF/VCEF ⁽¹⁾	EV	JPIS/JSIS		Brass	Stainless Steel
3/2 Valves, Universal operation (Normally closed or Normally open) with NBR disc - SIL 3 capable, Certified by Exida													
1/4	2	0.07	0.07	0	10	60	●	●	●	-	●	8314G300	8314G301 ⁽²⁾
1/4	2	0.07	0.07	0	10	60	-	-	-	●	-	8314B300	8314B301

● Available Express

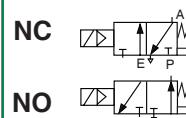
(1) Please refer to the page 69 for VCEF installation

(2) TPL 24001 also available



SOLENOID VALVES

air and water, high flow
brass or stainless steel bodies
1/4" - 3/4" NPT



3/2
Series
316

FEATURES

- Diaphragm poppet valves suitable for controlling air, inert gas, and liquids
- Internal piloting controls large orifices to provide high flows
- Can be used to pilot large actuators to provide quick closing of large control valves
- Resilient seating for tight shutoff
- Mountable in any position



STANDARD VOLTAGES

DC (=) :

AC (-) : VC, EF/VCEF, EV/VCEV, Redhat II
NF/WSNF

24V; 125V(HC)

110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz

115V/50Hz; 120V/60Hz; 230V/50Hz

SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m ³ /h)		Operating Pressure Differential (bar)		Prefix										No Prefix	Catalog Number		Suffix
				Inert Gas													Brass Body		
		Pressure to Cylinder	Cylinder to Exhaust	Min.	Max.	VC	EF/ VCEF ⁽²⁾	EV/ VCEV ⁽²⁾	NF/ WSNF	NFET/ WSNFET	JKF/ JKH	HT	HC						
NORMALLY CLOSED (Closed when de-energized)																			
1/4	8	1.3	1.3	(1)	10	-	-	●	-	-	●	●	●	●	-	8316G081V	MB	MO	
3/8	8	1.3	1.3	(1)	10	-	-	●	-	-	●	●	●	●	-	8316G082V	MB	MO	
1/2	16	3.4	56.6	(1)	10	-	-	●	-	-	●	●	●	●	-	8316G084V	-	-	
1/2	16	3.4	56.6	(1)	10	-	-	-	●	●	-	-	-	-	-	B316A084V	MB	-	
1/2	16	2.7	2.7	0.7	10	●	●	-	-	-	●	●	-	●	8316G064	-	-	-	
1/2	16	2.8	2.8	0.7	8.5	-	-	-	●	-	-	-	-	-	-	B316A064	-	MB	-
3/4	17	4.1	4.1	0.7	10	●	●	-	-	-	●	●	-	●	8316G074	-	-	-	

• Available Express

(1) Zero minimum when valve selection gasket is in external position and proper auxiliary air pressure is applied.

Minimum 1.0 bar operating pressure differential when selection gasket is in the internal position.

(2) Please refer to the page 69 for VCEF & VCEV installation



LOW POWER SOLENOID VALVES

stainless steel bodies
1/4" - 1/2" NPT

3/2
Series
316

FEATURES

- Brass body construction for general atmospheres; stainless steel for corrosive atmospheres
- Can be internally piloted, or externally piloted to convert valve to zero minimum operation by flipping a gasket
- When externally piloted, loss of electrical power or auxiliary air exhausts air from the actuator and shifts process valve to its original position
- When internally piloted, loss of electric power returns the valve to its original position
- Also available with Low Power or Intrinsically Safe solenoids. See Special Service Valve Section



STANDARD VOLTAGES

DC (=) : 24V

SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)		Operating Pressure Differential (bar)		Prefix							No Prefix	Catalog Number	Suffix	
				Inert Gas										Stainless Steel		
		Pressure to Cylinder	Cylinder to Exhaust	Min.	Max.	EV/ VCEV ⁽²⁾	NF/ WSNF	NFET/ WSNFET	HT	MF	JSIS					
3/2 VALVES, NORMALLY CLOSED (Closed when de-energized) with NBR Disc – SIL 3 Capable, Certified by Exida																
1/4	8	1.3	1.3	(1)	9	●	-	-	-	●	-	●	8316G381V	MB	MO	
1/4	8	1.3	1.3	(1)	9	●	-	-	-	●	-	-	8316H381V	MB	MO	
1/4	8	1.3	1.3	(1)	9	-	-	-	-	-	●	-	8316B381V	MB	MO	
1/4	8	1.3	1.3	(1)	10	-	●	●	●	-	-	-	B316A381V	MB	MO	
3/8	8	1.37	1.37	(1)	10	●	-	-	-	●	-	●	8316G382V	MB	MO	
3/8	8	1.6	1.6	(1)	9	●	-	-	-	●	-	-	8316H382V	MB	MO	
3/8	8	1.6	1.6	(1)	9	-	-	-	-	-	●	-	8316B382V	MB	MO	
3/8	8	1.6	1.6	(1)	9	-	●	●	●	-	-	-	B316A382V	MB	MO	
1/2	16	4	4	(1)	10	●	-	-	-	●	-	●	8316G384V	MB	MO	
1/2	16	3.5	3.5	(1)	9	●	-	-	-	●	-	-	8316H384V	MB	MO	
1/2	16	3.5	3.5	(1)	9	-	-	-	-	-	-	●	8316B384V	MB	MO	
1/2	16	3.5	3.5	(1)	9	-	●	●	●	-	-	-	B316A384V	MB	MO	

● Available Express

(1) Zero minimum when valve selection gasket is in external position and proper auxiliary air pressure is applied.

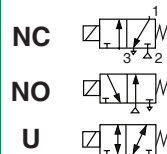
Minimum 1.0 bar operating pressure differential when selection gasket is in the internal position.

(2) Please refer to the page 69 for VCEV installation



SOLENOID VALVES

general service
brass or stainless steel bodies
1/4"



3/2
Series
320

FEATURES

- All NPT connections are in the valve body to allow in-line piping
- No minimum operating pressure differential required
- Broadest range of applications
- Mountable in any position



STANDARD VOLTAGES

DC (=) : 24V; 125V(HC)
AC (~) : VC, EF/VCEF, Redhat II 110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz
SC, NF, WP 115V/50Hz; 120V/60Hz; 230V/50Hz

SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)	Operating Pressure Differential (bar)						Prefix																No Prefix	Catalog Number		Option					
			Max. AC			Max. DC			SC	VC	EF/VCEF ⁽³⁾	EV/VCEV ⁽³⁾	NF/WSNF	NFET/WSNFET	JKF/JKH	HB	HC	HT	WP	Brass	Stainless Steel												
			Air-Inert Gas	Water	Lt. Oil @ 300 SSU	Air-Inert Gas	Water	Lt. Oil @ 300 SSU																									
U - Universal																																	
1/4	1.6	0.08	9	9	9	5	5	5	-	-	-	-	●	●	-	-	-	●	●	-	-	-	●	●	-	B320A172 ⁽⁴⁾	-	MO	MS	E	-		
1/4	1.6	0.08	9	9	9	5	5	5	●	●	●	●	-	-	●	-	●	●	-	●	-	●	-	●	-	8320G172	-	MO	-	-	-		
1/4	2.4	0.1	7	7	7	4	4	4	●	-	-	-	●	●	-	-	●	-	●	-	●	-	●	-	●	-	B320B174	-	MO	MS	-	MB	
1/4	2.4	0.1	7	7	7	4	4	4	●	●	●	●	-	-	-	● ⁽¹⁾	● ⁽²⁾	● ⁽¹⁾	-	●	-	●	-	●	-	8320G174	-	MO	-	-	-		
1/4	3.2	0.21	3	3	3	2	2	2	●	-	-	-	●	●	-	-	-	-	●	-	-	-	●	-	●	-	B320B176	-	MO	-	-	-	
1/4	3.2	0.21	3	3	3	2	2	2	-	-	●	●	-	-	-	● ⁽¹⁾	● ⁽²⁾	● ⁽¹⁾	-	●	-	●	-	●	-	8320G176	-	MO	-	-	-		
1/4	4.4	0.3	1	1	1	1	1	1	●	-	●	●	-	-	-	●	-	●	●	-	●	-	●	-	●	-	8320G178	-	-	-	-	-	
1/4	2.4	0.1	7	7	7	4	4	4	●	-	-	-	●	●	-	●	-	●	●	-	●	-	●	-	-	-	B320A200	MO	MS	V	-		
1/4	2.4	0.1	7	7	7	4	4	4	-	●	●	●	-	-	-	● ⁽¹⁾	● ⁽²⁾	● ⁽¹⁾	-	●	-	-	-	●	-	-	8320G200	-	-	-	-	-	
1/4	2.4	0.1	7	7	7	4	4	4	●	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	B320A201	-	-	-	-	-	
1/4	3.2	0.21	3	3	3	2	2	2	-	-	●	●	-	-	-	-	● ⁽¹⁾	●	●	● ⁽¹⁾	-	●	-	●	-	-	-	8320G201	-	-	-	-	-
NC - Normally closed																																	
1/4	0.8	0.02	50	50	50	35	35	35	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	B320A180	-	-	-	-	-	-		
1/4	1.6	0.08	14	15	15	11	11	11	●	●	●	●	●	●	●	● ⁽¹⁾	● ⁽²⁾	●	● ⁽¹⁾	●	●	-	●	●	-	8320G182	-	-	-	-	-	-	
1/4	2.4	0.1	10	10	10	8	8	8	●	●	●	●	-	-	●	-	-	●	●	-	●	-	●	-	●	-	8320G184	-	MO	MS	-	-	
1/4	3.2	0.21	6	6	6	4	4	4	●	-	-	-	-	●	●	-	-	-	●	●	-	●	-	●	-	●	-	B320A186	-	MO	-	-	-
1/4	3.2	0.21	6	6	6	4	4	4	●	●	●	●	-	-	-	●	-	●	●	-	●	-	●	-	●	-	8320G186	-	-	-	-	-	
1/4	4.4	0.3	3	3	3	2	2	2	-	-	●	●	-	-	-	●	-	●	●	-	●	-	●	-	●	-	8320G188	-	-	-	-	-	
1/4	2.4	0.1	10	10	10	8	8	8	-	-	-	-	●	●	-	-	-	-	●	●	-	-	-	●	-	-	-	B320A202 ⁽⁴⁾	MO	MS	-	-	-
1/4	2.4	0.1	10	10	10	8	8	8	●	●	●	●	-	-	-	●	-	●	●	-	●	-	●	-	-	-	8320G202	-	-	-	-	-	
1/4	3.2	0.21	6	6	6	4	4	4	-	-	-	-	-	●	●	-	-	-	-	-	-	●	-	-	-	-	B320A203	-	-	-	-	-	
1/4	3.2	0.21	6	6	6	4	4	4	-	-	●	●	-	-	-	-	-	-	●	●	-	-	●	-	●	-	-	8320G203	-	-	-	-	-
NO - Normally open																																	
1/4	1.6	0.08	16	17	17	11	11	11	-	-	●	●	-	-	-	● ⁽¹⁾	● ⁽²⁾	●	● ⁽¹⁾	-	●	-	-	●	-	8320G192	-	-	-	-	-	-	
1/4	2.4	0.1	10	10	10	7	7	7	●	-	-	-	●	●	-	-	-	-	-	●	-	-	-	●	-	-	B320A194	-	-	MS	-	-	
1/4	2.4	0.1	10	10	10	7	7	7	-	●	●	●	-	-	-	●	-	●	●	-	●	-	●	-	●	-	8320G194	-	-	-	-	-	
1/4	3.2	0.21	5	5	5	4	4	4	-	-	-	-	-	●	●	-	-	-	●	●	-	-	●	-	●	-	B320A196	-	MO	-	-	-	
1/4	3.2	0.21	5	5	5	4	4	4	-	-	●	●	-	-	-	●	-	●	●	-	●	-	●	-	●	-	8320G196	-	-	-	-	-	
1/4	4.4	0.3	3	3	3	2	2	2	-	-	●	●	-	-	-	●	-	●	●	-	●	-	●	-	●	-	8320G198	-	-	-	-	-	
1/4	2.4	0.1	10	10	10	7	7	7	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	B320A204	-	-	-	-	-
1/4	3.2	0.21	5	5	5	4	4	4	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	B320A205	-	-	-	-	-

• Available Express

(1) DC only

(2) AC only

(3) Please refer to the page 69 for VCEF&VCEV installation

(4) TPL 16137 also available

FEATURES

- The valves are certified according to IEC 61508 functional safety data and have SIL-3 capability (TUV & Exida certification)
- The solenoid valves are recommended for pilot applications with basic flow, wide pressure ranges and no minimum operating pressure
- PTFE rider rings and graphite-filled PTFE seals reduce friction and eliminate sticking
- Coils used in metal enclosures have class H insulation materials
- Option available for low ambient temperatures
- Peak voltage suppression diodes are standard in DC solenoids with metal enclosures
- The solenoid valves satisfy all relevant EC Directives
- Manual operators are optional including an under pressure removable type
- Environmental NACE compliant and certified vibration resistant in combination with WSCR solenoids



STANDARD VOLTAGES

DC (=) :	24V
AC (~) : VC, EF/VCEF, Redhat II	115-120V/50-60Hz; 230-240V/50-60Hz
SC, NF/WSNF, WSCR, WP/WS	115V/50-60Hz; 230V/50-60Hz

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)		Power Level	Prefix												No Prefix	Catalog Number		Suffix
				Min.	Max. (PS)																	
					(mm)															(m³/h)	(l/m)	
U - Universal, FPM sealings and poppets (minimum fluid temperature -20°C)																						
1/4	5.7	0.45	7.5	0	10	BP	●	-	-	-	●	●	-	-	-	●	-	8327B001 ⁽⁴⁾⁽⁵⁾	8327B002 ⁽⁴⁾⁽⁵⁾	MO/MS		
1/4	5.7	0.45	7.5	0	10	MP	●	-	-	-	●	●	-	-	-	●	-	8327B201	8327B202	MO/MS		
1/4	5.7	0.45	7.5	0	10	RP	●	-	-	-	●	●	-	-	-	●	-	8327B101	8327B102 ⁽⁴⁾⁽⁵⁾	MO/MS		
1/4	5.7	0.45	7.5	0	10	RP	-	-	●	-	-	-	-	-	-	-	-	8327H101	8327H102	-		
1/4	5.7	0.45	7.5	0	10	LP	-	-	-	-	●	●	●	●	-	-	-	8327B301 ⁽¹⁾	8327B302 ⁽¹⁾⁽⁴⁾	MO/MS		
U - Universal, VMQ sealings and poppets (minimum fluid temperature -40°C)																						
1/4	5.7	0.45	7.5	0	10	BP	-	-	-	-	●	●	-	-	-	●	-	8327B011	8327B012	-		
U - Universal, (F)VMQ sealings and poppets (minimum fluid temperature -50°C)																						
1/4	5.7	0.45	7.5	0	10	MP	●	-	-	-	●	●	-	-	-	●	-	8327B211	8327B212	-		
1/4	5.7	0.45	7.5	0	10	RP	●	-	-	-	●	●	-	-	-	-	-	8327B111	8327B112	-		
1/4	5.7	0.45	7.5	0	10	LP	-	-	-	-	●	●	●	-	-	-	-	8327B311 ⁽¹⁾	8327B312 ⁽¹⁾	-		
U - Universal, FPM sealings and poppets (minimum fluid temperature -20°C)																						
1/4	6	0.42	7	-	10	BP	●	●	●	●	-	-	-	-	-	● ⁽¹⁾	-	●	8327G041	-	-	
1/4	6	0.42	7	-	10	BP	●	●	●	●	-	-	-	-	-	● ⁽¹⁾	-	●	-	8327G042	-	
U - Universal, FPM sealings and poppets (minimum fluid temperature -40°C)																						
1/4	6	0.42	7	-	10	BP	-	● ⁽¹⁾	●	●	-	-	-	-	-	-	-	●	-	8327G052	-	
U - Universal, NBR sealings and poppets (High Flow)																						
1/4	12	1.5	25	0	10	BP	●	-	-	-	●	●	-	-	-	●	-	8327A647	8327A648	MO		
1/2	12	1.5	25	0	10	BP	-	-	-	-	●	●	-	-	-	-	●	-	8327A607	8327A608 ⁽³⁾	MO/MS	
U - Universal, (F)VMQ sealings and poppets (High Flow)																						
1/4	12	1.5	25	0	10	BP	-	-	-	-	●	●	-	-	-	-	-	-	8327A646	-		
1/2	12	1.5	25	0	10	BP	-	-	-	-	●	●	-	-	-	-	-	-	8327A606	-		

• Available Express

(1) DC only

(2) Please refer to the page 69 for VCEF&VCEV installation

(3) TPL 16137 also available

(4) TPL 18528 also available

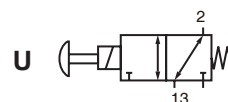
(5) TPL 18538 also available

(6) TPL 26104 also available for prefix NF/WSNF

❖ Select 8 for NPT ANSI 1.20.3 or select G for ISO G (228/1)

SOLENOID VALVES

no voltage release (tamperproof)
manual reset construction
1/4"



3/2
Series
327

FEATURES

- The valves are certified according to IEC 61508 functional safety data and have SIL-3 capability (Exida approval)
- Compact tamperproof/manual reset function which means that the valve has to be energized as well as manually operated before it stays in the "latched" position. Because of the tamperproof feature there will be no flow from port 3 to port 2 if only the push button is pressed. The No Voltage Release (NVR) function will make sure that the valve trips when de-energized
- The solenoid valves are recommended for pilot applications with basic flow, wide pressure ranges and no minimum operating pressure
- PTFE rider rings and graphite-filled PTFE seals reduce friction and eliminate sticking
- Coils used in metal enclosures have class H insulation materials
- Peak voltage suppression diodes are standard in DC solenoids with metal enclosures
- The solenoid valves satisfy all relevant EC Directives



STANDARD VOLTAGES

DC (=) : 24V
AC (-) : EF/VCEF, Redhat II 115-120V/50-60Hz; 230-240V/50-60Hz
NF/WSNF, WP/WS 115V/50-60Hz; 230V/50-60Hz

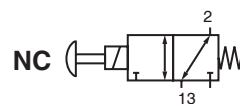
SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)		Power Level	Prefix				Catalog Number	
				Min.	Max. (PS)		EF/VCEF	NF/WSNF ⁽²⁾	NFET/WSNFET	WP	Brass	Stainless Steel
					Air/Water							
(mm)	(m ³ /h)	(l/m)			~/=	~/=						
U - Universal, FPM sealings and poppets, manual reset												
1/4	5.7	0.55	9.2	0	10	BP	•	•	•	•	8327B021 ⁽¹⁾	8327B022 ⁽¹⁾
1/4	5.7	0.55	9.2	0	10	MP	-	•	•	•	8327B221	8327B222
1/4	5.7	0.55	9.2	0	10	RP	-	•	•	•	8327B121	8327B122
1/4	5.7	0.55	9.2	0	10	RP	•	-	-	-	8327H121	8327H122
1/2	12	1.8	30	0	10	MP	-	•	•	-	-	8327A620
U - Universal, FPM sealings and poppets, manual reset tamperproof												
1/4	5.7	0.55	9.2	0	10	BP	•	•	•	-	-	8327B032
1/4	5.7	0.55	9.2	0	10	MP	-	•	•	-	-	8327B232
1/4	5.7	0.55	9.2	0	10	RP	-	•	•	-	8327B131	8327B132
1/4	5.7	0.55	9.2	0	10	RP	•	-	-	-	8327H131	8327H132

• Available Express

(1) TPL 18528 also available

(2) TPL 26104 also available for prefix NF/WSNF



FEATURES

- The valves are certified according to IEC 61508 functional safety data and have SIL-3 capability (Exida approval)
- Compact tamperproof/manual reset function which means that the valve has to be energized as well as manually operated before it stays in the "latched" position. Because of the tamperproof feature there will be no flow from port 3 to port 2 if only the push button is pressed. The No Voltage Release (NVR) function will make sure that the valve trips when de-energized
- The solenoid valves are recommended for pilot applications with basic flow, wide pressure ranges and no minimum operating pressure
- PTFE rider rings and graphite-filled PTFE seals reduce friction and eliminate sticking
- Coils used in metal enclosures have class H insulation materials
- Peak voltage suppression diodes are standard in DC solenoids with metal enclosures
- The solenoid valves satisfy all relevant EC Directives



STANDARD VOLTAGES

DC (=) : 24V
AC (-) : NF/WSNF, WSCR, WP/WS 115V/50-60Hz; 230V/50-60Hz

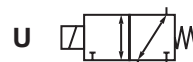
SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)		Power Level	Prefix			Catalog Number	Suffix
				Min.	Max. (PS)						
					Air/Water						
(mm)	(mm)	(m ³ /h)	(l/m)		~/=	~/=	NF/WSNF	NFET/WSNFET	WP	Stainless Steel	
NC - Normally closed, FPM sealings and poppets (minimum fluid temperature -20°C)											
1/4	5.7	0.45	7.5	0	10	BP	•	•	•	8327B005	MO/MS
1/4	5.7	0.45	7.5	0	10	RP	•	•	•	8327B105	MS
1/4	5.7	0.45	7.5	0	10	LP	•	•	•	8327B305 ⁽¹⁾	MS

• Available Express
(1) DC only

PINCH SOLENOID VALVE

pinch mechanism
for flexible tube
O.D. 3.2 mm



3/2
Series
384

FEATURES

- Solenoid valve suitable for cutting off the flow of a fluid by pinch
- For sterile, aseptic, physiological and food applications
- No turbulence or gap when cutting off flow by pinch
- Silent operation
- Full bore output flow compared with a traditional solenoid valve
- Manual pulse control for fitting tube
- A single component in contact with the fluid, i.e. the tube
- Bi-directional flow
- The tubings are included in our supply, 30cm length
- The solenoid valves satisfy all relevant EC directives



STANDARD VOLTAGES

DC (≡) : 12V-24V

SPECIFICATIONS

Tube I.D.	Tube O.D.	Pinch Force	Operating Pressure Differential (bar)			Power Coil (W)		Mounting Flange	Catalog Number
			Min.	Max. (PS)					
				Air Inert Gas (*)	Liquids (*)				
(mm)	(mm)	(daN)		=	=	~	=	(mm)	=
1.6	3.2	0.22	0	1.5	1.5	-	3.5	26	P384A024LCA00V1
									P384A024LCA00V3
									P384A025LCA00V1 ⁽¹⁾
									P384A025LCA00V3 ⁽¹⁾
								33	P384A030LCA00V1
									P384A030LCA00V3
									P384A031LCA00V1 ⁽¹⁾
									P384A031LCA00V3 ⁽¹⁾

(1) The flange is rotatable with 90°

FEATURES

- Tested in excess of 500 million cycles
- Maximum leakage rate:0.3 SCCM(Bubble Tight)
- All valves 100% factory tested
- Class A insulated coils
- Circuit board mountable
- Built in barbed fittings
- Oxygen Clean available
- Recommended for use with dry air, lubricated air, vacuum, non-corrosive, non-toxic, non-flammable dry gases
- Consult factory for other service application



STANDARD VOLTAGES

DC (=) : 12V

SPECIFICATIONS

Series	Power	Body Style	Configuration	Port No. 3 Connection	Electrical Connection	Port No. 1	Port No. 3	Seal Material	Catalog Number
RB	1 Watt	0.125 Barb	3 Way	0.125 Barb (3 Way only)	Hard Wire (12"/26 AWG)	0.75 mm	1.25 mm	Oxygen Cleaned (Viton)	RMB3B6H35O

FEATURES

- Compact size and easy assembly
- Suitable for mixing or distributing function; suitable for piston valve piloting function
- AC/DC interchangeability of the solenoid without disassembling the valve
- Quick disassembly of core tube for easy maintenance of internal parts

STANDARD VOLTAGES

DC (=) : 24V

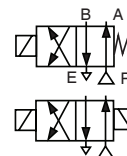
AC (~) : 230V/50Hz



SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)				Power Coil (w)		Catalog Number	
				Min.	Max. (PS)						
					Air		Oil				
	AC	DC	AC		DC	AC	DC				
NC - Normally closed											
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-2
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-3
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-4
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-5
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-6
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-7
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-8
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-9
1/8	1.5	0.06	1	0	8	8	8	8	●	●	HV293734-2-10

- Available Express



FEATURES

- Direct acting operation and high flow construction
- Direct acting, high flow slide-style valve
- Optional flow control regulates cylinder speed independently, in either direction
- Mechanical detent on dual solenoids holds last position, even after loss of electric power, pneumatics or pressure
- No minimum operating pressure differential required to shift valve
- Dual solenoid operation: solenoid may be energized momentarily (1/10 second) or continuously
- Mountable in any position



STANDARD VOLTAGES

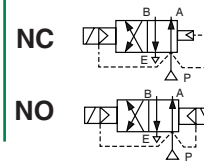
AC (~) : 110V/50Hz; 120V/50Hz; 220V/50Hz; 240V/50Hz

SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)	Operating Pressure Differential (bar)			Max. Fluid Temp.°C	Prefix			No Prefix	Catalog Number	Suffix
			Max. AC				EF/VCEF ⁽¹⁾	HB	WP		Brass	
			Air-Inert Gas	Water	Lt. Oil @ 300 SSU	AC						
Single solenoid construction												
1/4	4.8	0.6	9	7	7	71	-	-	●	-	B342C001	-
1/4	4.8	0.6	9	7	7	71	●	●	-	●	8342G001	-

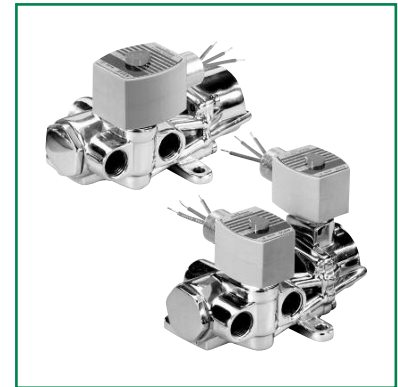
• Available Express

(1) Please refer to the page 69 for VCEF installation



FEATURES

- *Sturdy, robust construction*
- *Piston-operated poppet design provides high flow*
- *For use with air or water*
- *Wide range of sizes and flow rates*
- *Single or dual solenoid constructions*
- *Dual solenoid can be shifted with a momentary signal and remain in position even if electrical power is lost*
- *Mountable in any position*



STANDARD VOLTAGES

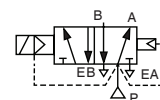
DC (=) : 24V; 125V(HC)
AC (~) : VC, EF/VCEF, Redhat II 110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz
SC, NF/WSNF, WP/WS 115V/50Hz; 120V/60Hz; 230V/50Hz

SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)	Kv Flow Factor (m³/h)		Operating Pressure Differential (bar)								Max. Fluid Temp. °C		Prefix												No Prefix	Catalog Number		Suffix		
				Max. AC			Max. DC															Brass	Stainless Steel								
		Press.	Exh.	Min.	Air-Inert Gas	Water	Light Oil @ 300 SSU	Air-Inert Gas	Water	Light Oil @ 300 SSU	AC	DC	SC	VC	EF/VCEF ⁽¹⁾	NF/WSNF	NFET/WSNFET	JKF/JKH	HC	HT	WP			WS	WSTIS						
Single solenoid																															
1/4	6	0.69	0.86	0.7	10	9	9	9	9	9	82	65	-	-	●	-	-	●	●	●	●	-	-	●	8344G070	-	MO	-			
1/4	6.4	0.7	11.6	0.7	9	9	9	9	9	9	82	49	-	-	-	●	●	-	-	●	●	●	-	-	-	-	8344A090	-	-		
3/8	10	1.2	1.89	0.7	10	9	9	9	9	9	82	65	●	-	-	●	●	-	-	●	●	-	-	-	-	-	B344A072	-	MO	-	
1/2	10	1.2	1.89	0.7	10	9	9	9	9	9	82	65	●	-	-	●	●	-	-	●	●	-	●	-	-	-	B344A074	-	-	-	
1/2	10	1.2	1.89	0.7	10	9	9	9	9	9	82	65	-	●	●	-	-	●	●	●	-	-	-	●	-	-	8344G074	-	MO	-	
1/2	9.5	1.9	31.6	0.7	9	9	9	9	9	9	82	49	-	-	-	●	●	-	-	●	●	-	-	-	-	-	-	-	8344A095	-	V
3/4	19	4.5	4.8	0.7	10	9	9	9	9	9	82	65	●	-	-	●	●	-	-	●	-	-	-	-	-	-	♣344BA076	-	MO	-	
Dual solenoid																															
1/4	6.4	0.7	11.6	0.7	17	9	-	9	9	-	82	49	●	-	-	-	-	-	-	●	●	●	-	-	-	-	8344-044	-	MO	-	
3/8	9.5	1.9	31.6	0.7	17	14	-	9	9	-	82	49	●	-	-	-	-	-	●	●	●	-	-	-	-	-	8344-080	-	MO	-	
1/2	10	1.4	1.89	0.7	17	14	9	9	9	7	82	49	-	-	●	-	-	-	●	●	-	-	-	-	●	-	8344G082	-	MO	-	
3/4	19	5.2	4.8	0.7	21	21	14	9	9	7	82	49	●	-	-	●	●	-	-	-	-	-	-	-	-	-	♣344B054	-	MO	-	
1	19	5.2	4.8	0.7	21	21	14	9	9	7	82	49	-	-	-	●	●	-	-	●	●	-	-	-	-	-	-	B344B056	-	MO	-

• Available Express

(1) Please refer to the page 69 for VCEF installation



FEATURES

- Compact valves for general service applications
- Low-cost, 4-way valve when low flow is sufficient
- Mountable in any position

STANDARD VOLTAGES

DC (=) : 24V
AC (-) : EF/VCEF, Redhat II 110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz

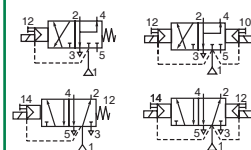


SPECIFICATIONS

Pipe Size (in)	Orifice Size (mm)		Kv Flow Factor (m³/h)		Operating Pressure Differential (bar)							Max. Fluid Temp. °C		Prefix		No Prefix	Catalog Number
					Min.	Max. AC			Max. DC								Brass
	Press.	Exh.	Inlet	Exh.		Air-Inert Gas	Water	Lt. Oil @ 50 SSU	Air-Inert Gas	Water	Lt. Oil @ 50 SSU	AC	DC	EF/VCEF ⁽¹⁾	HT		
Single solenoid																	
1/4	2	2	0.08	0.08	0.7	10	10	10	7	7	82	40	●	●	●	8345G001	
Single solenoid air-only construction - Exhaust to atmosphere																	
1/4	2	2	0.08	0.08	0.7	10	-	-	7	-	-	82	40	●	-	●	8345H003

• Available Express

(1) Please refer to the page 69 for VCEF installation



FEATURES

- The "Namur" style spool valve have threaded port connection and Namur interface, and "Threaded" style spool valve have threaded port connections
- All the exhaust ports of this spool valve are connectable, providing better environmental protection, particularly recommended for sensitive areas such as clean rooms, and applications in the pharmaceutical and food processing sectors
- The valve offers environmental protection against the ingress of liquids, dusts or any other foreign matter (environmentally-protected construction)
- Can be externally piloted (external air pilot supply) to convert valve to zero minimum operation by flipping a gasket
- Stainless steel manual operator as standard



STANDARD VOLTAGES

DC (=) :

AC (~) : SC, VC, EF/VCEF, EV/VCEV, Redhat II
NF/WSNF
WBLP

24V

110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz

115V/50Hz; 120V/60Hz; 230V/50Hz

115V/50Hz; 230V/50Hz

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)			Prefix											No Prefix	Catalog Number
				Min.	Max. (PS)														
					Air														
	(mm)	(m³/h)	(l/min)	~	=	SC	VC	WBLP	EF/ VCEF ⁽¹⁾	JKF/ JKH	NF	NFET	JPIS	HT	WP				
NAMUR 3/2 NC - 5/2 - Solenoid air pilot operated - spring return (Single solenoid)																			
1/4	6	0.95	15.5	2	10	10	●	-	●	-	-	-	-	-	-	-	❖531C001MS		
1/4	6	0.95	15.5	2	10	10	-	-	-	-	-	-	●	-	●	-	8531B301MO ⁽²⁾		
1/4	6	0.95	15.5	2	10	10	-	●	-	●	-	-	-	-	-	●	8531G301MO ⁽²⁾		
1/4	6	0.95	15.5	2	10	10	-	●	-	●	-	-	-	-	-	●	G531H301MO ⁽²⁾		
1/4	6	0.95	15.5	2	10	10	-	-	-	-	-	●	●	-	●	●	8531B401MO		
1/4	6	0.95	15.5	2	10	10	-	●	-	●	-	-	-	-	●	-	8531G401MO		
1/4	6	0.95	15.5	2	10	10	-	●	-	●	-	-	-	-	●	-	G531H401MO		
NAMUR 3/2 NC - 5/2 - Solenoid air pilot operated - spring return (Double solenoid)																			
1/4	6	0.95	15.5	2	10	10	●	-	●	-	-	-	-	-	-	-	❖531C002MS		
THREADED 5/2 - Solenoid air pilot operated - spring return (Single solenoid)																			
1/4	6	0.95	15.5	2	10	10	●	-	●	-	-	-	-	-	-	-	❖531C017MS		
1/4	6	0.95	15.5	2	10	10	-	-	-	●	-	-	-	-	-	●	G531H317MO ⁽²⁾		
1/4	6	0.95	15.5	2	10	10	-	-	-	-	-	●	●	-	●	●	8531B417MO		
1/4	6	0.95	15.5	2	10	10	-	●	-	●	●	-	-	-	●	-	G531H417MO		
THREADED 5/2 - Solenoid air pilot operated and return (Double solenoid)																			
1/4	6	0.95	15.5	2	10	10	●	-	●	-	-	-	-	-	-	-	❖531C018MS		
1/4	6	0.95	15.5	2	10	10	-	●	-	●	-	-	-	-	-	●	G531H318MO ⁽²⁾		

• Available Express

(1) Please refer to the page 69 for VCEF installation

(2) DC only

❖ Stands for options "8" for NPT port thread and "G" for BSP port thread

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)		Prefix														No Prefix	Catalog Number			Options				
				Min. ⁽¹⁾	Max. (PS)	Air	~	=	SC	VC	PV	WBLP	EF/ VCEF ⁽²⁾⁽³⁾	EV/ VCEV ⁽⁶⁾	NF/ WSNF	NFET/ WSNFET	JPIS/ JSIS ⁽⁵⁾	JKF JKH	HT		HC	Stainless Steel	Aluminium		Brass			
	(mm)	(m³/h)	(l/min)																									
THREADED 5/2 - Solenoid air pilot operated and return (Double solenoid)																												
1/4	6	0.75	12.5	2	10	10	●	-	● ⁽⁴⁾	●	-	-	-	-	-	-	-	-	-	-	-	-	-	◇551A018	-	-	MS	
1/4	6	0.75	12.5	0/2	10	10	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	◇551A422	-	-	-	MO	
1/4	6	0.75	12.5	0/2	10	10	●	●	-	-	●	●	-	-	-	-	-	●	●	●	-	-	◇551G422	-	-	-	MO	
1/4	6	0.75	12.5	0/2	10	10	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	◇551B418	-	-	MO	
1/4	6	0.75	12.5	0/2	10	10	●	●	-	-	●	●	-	-	-	-	-	●	●	●	-	-	-	8551G418	-	-	MO	
1/4	6	0.75	12.5	0/4	10	10	●	●	-	-	●	-	-	-	-	-	-	●	●	●	-	-	-	G551H418	-	-	MO	
1/4	6	0.75	12.5	0/2	-	10	●	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	◇551A322 ⁽⁶⁾	-	-	-	MO	
1/4	6	0.75	12.5	0/2	-	10	-	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-	8551B322 ⁽⁶⁾	-	-	-	MO	
1/4	6	0.75	12.5	0/2	-	10	-	●	-	-	-	●	●	-	-	-	-	-	-	●	-	-	◇551G322 ⁽⁶⁾	-	-	-	MO	
1/4	6	0.75	12.5	0/2	-	10	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	◇551B318 ⁽⁶⁾	-	-	MO	
1/4	6	0.75	12.5	0/2	-	10	-	●	-	-	●	●	-	-	-	-	-	-	-	-	●	-	-	8551G318 ⁽⁶⁾	-	-	MO	
1/4	6	0.75	12.5	0/3	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	G551H318 ⁽⁶⁾	-	-	-	
1/4	6	0.75	12.5	0/3	-	10	●	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	◇551A320 ⁽⁶⁾	-	MO	
1/4	6	0.75	12.5	0/3	-	10	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	8551B320 ⁽⁶⁾	-	-	-	
1/4	6	0.75	12.5	0/2	-	10	●	●	-	-	●	●	-	-	-	-	-	-	●	-	-	-	-	◇551G320 ⁽⁶⁾	-	-	MO	
1/4	6	0.75	12.5	0/2	10	10	●	●	-	-	●	●	-	-	-	-	-	●	●	●	-	-	-	-	◇551G420	-	-	MO
NAMUR 3/2 NC - 5/2 - Solenoid air pilot operated - spring return (Single solenoid)																												
1/4	6	0.6	10	2	10	10	●	-	● ⁽⁴⁾	●	-	-	-	-	-	-	-	-	-	-	-	-	-	◇551A001	-	-	MS	
1/4	6	0.6	10	0/2	10	10	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	◇551B401	-	-	MO	
1/4	6	0.7	11.7	2	10	10	●	●	-	-	●	-	-	-	-	-	-	●	●	●	●	-	-	8551G401	-	-	MO	
1/4	6	0.6	10	0/2	10	10	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	◇551D401	-	-	MO	
1/4	6	0.6	10	0/2	10	10	●	●	-	-	●	●	-	-	-	-	-	●	●	●	-	-	-	G551H401	-	-	MO	
1/4	6	0.6	10	0/2	10	10	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G551D403	MO		
1/4	6	0.6	10	0/2	10	10	●	●	-	-	●	●	-	-	-	-	-	●	●	●	-	-	-	-	◇551G403	MO		
1/4	6	0.6	10	0/2	10	10	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	◇551A409	-	-	MO	
1/4	6	0.6	10	0/2	10	10	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	◇551D409	-	-	MO	
1/4	6	0.6	10	0/2	10	10	●	●	-	-	●	●	-	-	-	-	-	●	●	●	●	-	-	◇551G409	-	-	MO	
1/4	6	0.7	11.7	0/2	-	10	●	-	●	-	-	-	●	●	-	-	-	●	-	-	-	-	-	-	◇551B301 ⁽⁶⁾	-	-	MO
1/4	6	0.7	11.7	0/2	-	10	-	●	-	-	●	●	-	-	-	-	-	-	-	-	●	-	-	-	8551G301 ⁽⁶⁾	-	-	MO
1/4	6	0.7	11.7	0/3	-	10	-	●	-	-	●	●	-	-	-	-	-	-	-	-	●	-	-	-	G551H301 ⁽⁶⁾	-	-	MO
1/4	6	0.6	10	0/2	-	10	●	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	◇551A303 ⁽⁶⁾	MO		
1/4	6	0.6	10	0/2	-	10	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	8551B303 ⁽⁶⁾	MO		
1/4	6	0.7	10	2	-	10	●	●	-	-	●	-	-	-	-	-	-	●	-	-	●	-	-	-	◇551G303 ⁽⁶⁾	MO		
1/4	6	0.6	10	0/2	-	10	●	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	◇551A309 ⁽⁶⁾	-	-	MO	
1/4	6	0.6	10	0/2	-	10	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	◇551B309 ⁽⁶⁾	-	-	MO	
1/4	6	0.6	10	0/2	-	10	-	●	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	◇551G309 ⁽⁶⁾	-	-	MO	
NAMUR 3/2 NC - 5/2 - Solenoid air pilot operated and return (Double Solenoid)																												
1/4	6	0.6	10	2	10	10	●	-	● ⁽⁴⁾	●	-	-	-	-	-	-	-	-	-	-	-	-	-	◇551A002	-	-	MS	
1/4	6	0.6	10	0/2	10	10	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	◇551B402	-	-	MO
1/4	6.4	0.7	11.7	0/2	10	8.2	●	●	-	-	●	-	-	-	-	-	-	●	●	●	●	-	-	8551G402	-	-	MO	
1/4	6.4	0.7	11.7	0/2	10	8.2	●	●	-	-	●	-	-	-	-	-	-	●	●	●	●	-	-	G551H402	-	-	MO	
1/4	6	0.6	10	0/2	-	10	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G551A304 ⁽⁶⁾	MO		
1/4	6	0.7	11.7	2	-	9	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	8551B304 ⁽⁶⁾	-	-	
1/4	6	0.6	10	0/2	-	10	●	●	-	-	●	-	-	-	-	-	-	●	-	-	●	-	-	-	◇551G304 ⁽⁶⁾	-	-	
1/4	6	0.6	10	0/2	10	10	●	●	-	-	●	-	-	-	-	-	-	●	●	●	-	-	-	-	◇551G404	MO		
1/4	6	0.6	10	0/2	10	10	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	◇551A410	-	-	MO	
1/4	6	0.6	10	0/2	10	10	●	●	-	-	●	●	-	-	-	-	-	●	●	●	-	-	-	◇551G410	-	-	MO	
1/4	6	0.6	10	0/2	-	10	●	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	◇551B302 ⁽⁶⁾	-	-	MO
1/4	6	0.7	11.7	2	-	10	-	●	-	-	●	-	-	-	-	-	-	-	-	-	●	-	-	-	8551G302 ⁽⁶⁾	-	-	MO
1/4	6	0.6	10	0/2	-	10	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	G551H302 ⁽⁶⁾	-	-	MO
1/4	6	0.6	10	0/2	-	10	●	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	◇551A310 ⁽⁶⁾	-	-	MO	
1/4	6	0.6	10	0/2	-	10	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	◇551B310 ⁽⁶⁾	-	-	MO	
1/4	6	0.6	10	0/2	-	10	-	●	-	-	●	●	-	-	-	-	-	-	-	-	●	-	-	-	◇551G310 ⁽⁶⁾	-	-	MO

• Available Express

(1) Zero minimum is only achieved if external pressure is applied

(2) ATEX certified VCEF & VCEV come with TPL24062

(3) Please refer to the page 69 for VCEF installation; EF/VCEF for aluminum body only, EF/VCEF with SS body replaced by EV/VCEV

(4) TPL 20787 also available

(5) For JPIS/JSIS 551 with single solenoid, operating pressure differential is 2.4 to 9 bar. For JPIS/JSIS 551 with double solenoids, operating pressure differential is 2 to 9 bar.

(6) DC only

✦ Stands for options "8" for NPT port thread and "G" for BSP port thread

PREFIX TABLE

Prefix							Description	Power Level		
1	2	3	4	5	6	7		RP	MP	BP
E	F						Explosionproof - NEMA 7, 9 - Zinc plated steel conduit	-	-	•
V	C	E	F				Flameproof/Encapsulated - Aluminium NEPSI (GB3836)	•	-	•
V	C	E	V				Flameproof/Encapsulated - 316L SS NEPSI (GB3836)	•	-	•
P	V						Encapsulated epoxy moulded (EN/IEC 60079-18, 61241-18)*	-	-	•
S	C						Solenoid with spade plug connector (EN/IEC 60730)	-	-	•
N	F						Flameproof - Aluminium (EN/IEC 60079-1, 60079-31)*	-	-	•
W	S	N	F				Flameproof - 316L SS (EN/IEC 60079-1, 60079-31)*	-	-	•
W	B	L	P				I.S./encapsulation with PBT IP67 enclosure (EN/IEC 60079-7+18+21)	•	-	-
				H	T		Class H - High temperature, +80°C ambient temp.	-	-	•
J	P	I	S				Aluminum Junction Box with 1/2" NPT Conduit	-	-	-
J	S	I	S				316L SS Junction Box with 1/2" NPT Conduit	-	-	-
J	K	F					Class F High Temperature Spade or Screw Terminal Coils	-	-	-
J	K	H					Class H High Temperature Spade or Screw Terminal Coils	-	-	•
						X	Other special constructions	-	-	•

SUFFIX TABLE

Suffix							Description	Power Level		
1	2	3	4	5	6	7		RP	MP	BP
			M	O			Push type manual operator	-	-	•

FEATURES

- The monostable spool valves have TÜV-EXIDA certified IEC 61508 functional safety data and can be used up to SIL 4 (551/TÜV)-SIL 3 (552-553/EXIDA)
- All the exhaust ports of this spool valve are connectable, providing better environmental protection, particularly recommended for sensitive areas such as clean rooms, and applications in the pharmaceutical and food processing sectors
- The valve offers environmental protection against the ingress of liquids, dusts or any other foreign matter (environmentally-protected construction)
- Can be externally piloted (external air pilot supply) to convert valve to zero minimum operation by flipping a gasket
- The solenoid valves satisfy all relevant EC Directives



STANDARD VOLTAGES

DC (=) :

AC (~) : SC, VC, EF/VCEF, EV/VCEV, Redhat II
NF/WSNF

24V; 125V(HC)

110V/50Hz-120V/60Hz; 220V/50Hz-240V/60Hz

115V/50Hz; 120V/60Hz; 230V/50Hz

SPECIFICATIONS

Pipe Size	Orifice Size	Flow Coefficient Kv		Operating Pressure Differential (bar)			Power Level	Prefix					No Prefix	Catalog Number	Options
				Min. ⁽¹⁾	Max. (PS)										
	Air														
	(mm)	(m³/h)	(l/min)		~	=		SC	PV	EF/VCEF ⁽²⁾⁽³⁾	NF/WSNF	NFET/WSNFET		Aluminium	
1/2	13	3.15	52.5	0/2	10	10	BP	-	●	-	●	●	-	❖553A417	SL
1/2	13	3.15	52.5	0/2	10	10	BP	●	-	●	-	-	●	❖553G417	-
1/2	13	3.15	52.5	0/2	10	10	LP	●	●	-	●	●	-	❖553A317 ⁽²⁾	SL
1/2	13	3.15	52.5	0/2	10	10	LP	-	-	●	-	-	●	❖553G317 ⁽²⁾	-
1/2	13	3.15	52.5	0/2	10	10	LP	-	-	●	-	-	●	❖553H317 ⁽²⁾	-

• Available Express

❖ Stands for options "8" for NPT port thread and "G" for BSP port thread

(1) Zero minimum is only achieved if external pressure is applied

(2) DC only

FEATURES

- CNOMO pad-mount version for valve piloting applications
- Compact size and low weight for easy installation on single or joinable subbases
- AC/DC interchangeability of the solenoid operator without any need for disassembly of the valve
- Flexible installation on joinable subbases
- Manual operator as standard
- The solenoid valves satisfy all relevant EC directives



STANDARD VOLTAGES

DC (=) : 12V-24V-48V

AC (~) : 115V/50-60Hz; 230V/50-60Hz

SPECIFICATIONS

Pipe Size	Orifice Size		Flow at 6 bar l/min (ANR)		Flow Coefficient Kv		Operating Pressure Differential (bar)			Power Coil (W)		Catalog Number	
	1→2	2→3	1→2	2→3	1→2	2→3	Min.	Max. (PS)					
	(mm)	(mm)						Air					
								~	=	~	=	with Connector	without Connector
NC - Normally closed													
pad mounting	1.2	1.5	50	56	0.7	0.8	0	10	10	2.5	3	X18900001 TPL 24065	X18900002 TPL 24065

FEATURES

- Size 30 CNOMO pilot adapted for the piloting of actuators or spool valves
- Version with M12 connection, integrated Led and protection
- Manual operator as standard

STANDARD VOLTAGES

DC (≡) : 24V

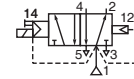


SPECIFICATIONS

Orifice Size Size (mm)	Flow				Allowable Differential Pressure (bar)		Catalog Number
	at 6 bar l/min (ANR)		Coefficient Kv		Min.	Max.	with DIN Connector
	1→2	2→3	1→2	2→3			
1.6	70	84	1	1.2	0	10	19000006

MINI SPOOL VALVES

solenoid air operated
G1/4 tapped body
adaptable on joinable subbases



5/2
Series
521

FEATURES

- Mini spool valve, ideal for piloting pneumatic cylinders
- Can be mounted on joinable subbase for manifold applications
- G1/4 tapped body

STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 230V/50Hz



SPECIFICATIONS

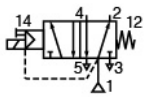
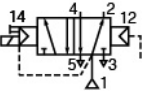
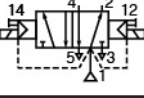
Operators	Voltages	Response Time (ms)		Catalog Number
		Energized	De-energized	
Differential Return	24VDC	20	30	52100001
Differential Return	230V / 50 Hz	20	30	52100004

FEATURES

- Reliability: long service life of 30 million cycles
- Choice of internal / external supply with selector seals (vacuum to -0.95 bar)
- Modular assembly with joinable subbases
- High flow to control large actuators
- Flow rate (ISO 1- 1400L/min; ISO 2-2800L/min; ISO 3-4200L/min)



SPECIFICATIONS

Function	Operator	Size	Pilot Pressure (bar)		Valve Body Catalog Number
			Min.	Max.	
	2/5 Single Pilot(14) Spring return (12)	ISO 1	3	10	54191023
		ISO 2	2.5		54292023
		ISO 3	3		54391023
	2/5 Single Pilot(14) Air return (12)	ISO 1	1.5		54191025
		ISO 2	1.5		54292025
		ISO 3	1.5		54391025
	2/5 Double Double Pilot(14) - (12) Air return (12)	ISO 1	1.5		54191027
		ISO 2	1.5		54292027
		ISO 3	1.5		54391027

Pilot Solenoid Valve	Code	Power	Manual Opreator	Air Opreator Interface	88100074
189 series	X18900001 TPL 24065	24VDC, 115/50-60 VAC, 230/50-60VAC	Maintained	Blanking Plate	88100073
190 series	19000006	24CDC			

JOINABLE BASES WITH SIDE PORTS

Size	Description	Part No.
ISO 1	Joinable subbase with side ports	355 00 088
	Set of 2 end plates	355 00 087
ISO 2	Joinable subbase with side ports	355 00 102
	Set of 2 end plates	355 00 101
ISO 3	Joinable subbase with side ports	355 00 173
	Set of 2 end plates	355 00 174

SINGLE BASES WITH SIDE PORTS

Type	Port Size	Part No.
ISO 1	G 1/4"	35500076
	G 3/8"	35500382
ISO 2	G 3/8"	35500560
	G 1/2"	35500562
ISO 3	G 1/2"	35500171
	G 3/4"	35500192

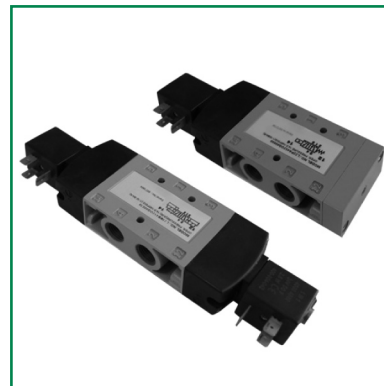
FEATURES

- Solenoid pilot
- DIN plug-in solenoid indicator light
- Unlubricated or lubricated service
- In-line or manifold mounted

STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 110V-230V/50-60Hz



TECHNICAL DATA (YA)

Valve Data	English		Metric	
Cv	1/8 = 1.0	1/4 = 1.0	1/8 = 1.0	1/4 = 1.0
Flow Capacity	46 SCFM upstream pressure to atmosphere @ 80 PSIG		985 NI/m @ 6 bar upstream/5 bar downstream	
Main Valve Operating Pressure Range	28" HG. Vacuum to 150 PSIG		Vacuum to 10 bar	
Pilot Pressure Range: Internal and External	14.5 to 150 PSIG		1 to 10 bar	
Temperature Range: Solenoid Pilot (ambient)	-10°F to +115°F		-23°C to +46°C	

HOW TO ORDER

YB2 BA 4 52 4 G 000 30

Valve Series & Port Size — YB2 = 1/4
YB3 = 3/8

Valve Type — BA = Single solenoid pilot, spring return
W/Flush locking override
BB = Double solenoid pilot W/Flush
locking override
PA = Single air pilot w/spring return
PP = Double air pilot

Function — 4 = 2 Position, 4-way
5 = 3 Position, 4-way open center
6 = 3 Position, 4-way closed center
7 = 3 Position 4-way (5/3),
open to 4 (A) and 2 (B) in center

Mounting — 52 = Line mounted (Manifold mount with adaptor)

Voltage
30 = 110 / 50-60 VAC
40 = 230 / 50-60 VAC
61 = 24 VDC
00 = N/A (Used with air pilot)

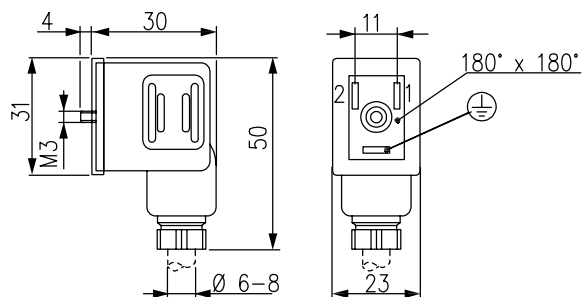
Options
000 = Standard (Class F coil)
14A = External pilot supply
12B = Dry assembly

Port Type
G = G tap

Wiring Option
4 = DIN Plug-In DC solenoid
2 = DIN Plug-In AC solenoid or air pilot

Note: Plug connector is included with DIN solenoid

PLUG CONNECTOR ASSEMBLIES



Plug Connector Description	Part No.
Black Plug Assembly	88122404

SOLENOID ASSEMBLIES*

Standard Voltages	110/50-60 VAC	230/50-60 VAC	24 VDC
Part No.	43005069	43004886	43004869

* To be sold separately

MANIFOLD

Manifold Stations	G3/8 Part No.	Manifold Stations	G3/8 Part No.
2 Stations	106-715	8 Stations	106-721
3 Stations	106-716	9 Stations	106-722
4 Stations	106-717	10 Stations	106-723
5 Stations	106-718	11 Stations	106-724
6 Stations	106-719	12 Stations	106-725
7 Stations	106-720	-	-

BLANK STATION PLATE KIT
239-417-SJ

ADAPTOR KIT
239-312



SOLENOID VALVES

direct acting
brass or stainless steel bodies
G 1/8"

2/2
Series
L172
L176

FEATURES

- Direct acting solenoid valve.
- Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with material in contact).
- Better performance with epoxy coil under moist & high temperature environment

STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 115V/50Hz-120V/60Hz; 230V/50-60Hz



SPECIFICATIONS

Port Size ISO 228	Orifice Size (mm)	Differential Pressure (bar)						Kv (m³/h)	Series and Type			Power Absorption				Sealings	Weight (kg)
		Δp Min	Δp Max									AC (VA)			DC		
			Gases		Liquids				Inrush VA	Holding		W					
			AC	DC	AC	DC	DC			W							
G1/8	1.2	0	28	20	28	20	0.05	Brass	L172V03	ZB12AX	12	6	4	5.5	FPM	0.16	
	1.6		20	12	20	12	0.08										
	2		15	6	15	6	0.11										
	2.4		12	4	12	4	0.13										
	1.2		28	20	28	20	0.05	Stainless steel	L172V07	ZB12AX	12	6	4	5.5	FPM	0.145	
	1.6		20	12	20	12	0.08										
	2		15	6	15	6	0.11										
	2.4		12	4	12	4	0.13										
G1/4	1.6		20	12	20	12	0.08	Brass	L176V03	ZB12AX	12	6	4	5.5	FPM	0.16	
	2.4		12	4	12	4	0.16										
	1.6		20	12	20	12	0.08	Stainless steel	L176V07								
	2.4		12	4	12	4	0.16										



SOLENOID VALVES

normally closed/normally open
pilot operated

2/2
Series
L182
L282

FEATURES

- Diaphragm valve, pilot operated, having full orifice
- Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with material in contact.)
- Better performance with epoxy coil under moist & high temperature environment (for N.C)
- High flow, long life
- Easy maintenance



STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 115V/50Hz-120V/60Hz; 230V/50-60Hz

SPECIFICATIONS

Port Size ISO 228	Orifice Size (mm)	Differential Pressure (bar)						Kv (m³/h)	Series and Type		Power Absorption				Sealing	Weight (kg)										
		Δp (kg) Min	Δp Max				AC (VA)				DC															
			Gases		Liquids		Inrush VA		Holding																	
			AC	DC	AC	DC			VA	VA		W	W													
NC - Normally closed, Brass body																										
G3/8	13.5	0.35	16	16	16	16	2.5	L182B01	ZB12AX	12	6	4	5.5	NBR	0.32											
G1/2	13.5		16	16	16	16	3.8								0.38											
G3/4	18		12	12	12	12	5								0.52											
G1	24		12	12	12	12	12								1.08											
G3/8	13.5		12	12	12	12	2.5	L182V01						ZB12AX	12	6	4	5.5	FPM	0.32						
G1/2	13.5		12	12	12	12	3.8													0.38						
G3/4	18		10	10	10	10	5													0.52						
G1	24		10	10	10	10	12													1.08						
G3/8	13.5		16	16	16	16	2.5	L182D01											ZB12AX	12	6	4	5.5	EPDM	0.32	
G1/2	13.5		16	16	16	16	3.8																		0.38	
G3/4	18		12	12	12	12	5																		0.52	
G1	24		12	12	12	12	12																		1.08	
NC - Normally closed, Stainless Steel Body																										
G3/8	13.5	0.35	12	12	12	12	2.5	L182V09	ZB12AX	12	6	4	5.5											FPM	0.32	
G1/2	13.5		12	12	12	12	3.8																		0.38	
G3/4	18		10	10	10	10	5																		0.52	
G1	24		10	10	10	10	12							1.08												
G3/8	13.5		16	16	16	16	2.5	L182D09						ZB12AX	12	6	4	5.5						EPDM	0.32	
G1/2	13.5		16	16	16	16	3.8																		0.38	
G3/4	18		12	12	12	12	5																		0.52	
G1	24		12	12	12	12	12												1.08							
NO - Normally open, Stainless Steel Body																										
G3/8	13.5	0.35	12	-	12	-	2.5	L282V09	ZB12K	11.7	10	7.6	-						FPM	0.3						
G1/2	13.5		12	-	12	-	3.8													0.35						
G3/4	18		10	-	10	-	5													0.5						
G1	24		10	-	10	-	12													1.09						
G3/8	13.5		-	12	-	12	2.5		ZC12A	-	-	-	5.5	0.37												
G1/2	13.5		-	12	-	12	3.8							0.41												
G3/4	18		-	10	-	10	5							0.56												
G1	24		-	10	-	10	12							1.16												



SERIES L182&L282

SPECIFICATIONS

Port Size ISO 228	Orifice Size (mm)	Differential Pressure (bar)						Kv (m³/h)	Series and Type		Power Absorption				Sealing	Weight (kg)
		Δp (kg) Min	Δp Max				AC (VA)				DC					
			Gases		Liquids		Inrush		Holding							
			AC	DC	AC	DC			VA	VA		W	W			
NO - Normally open, Brass body																
G3/8	13.5	0.35	-	12	-	12	2.5	L282B01	ZC10A ZC12A	-	-	-	5.5	NBR	0.32	
G1/2	13.5		-	12	-	12	3.8								0.38	
G3/4	18		-	12	-	12	5								0.52	
G1	24		-	12	-	12	12								1.08	
G3/8	13.5		12	-	12	-	2.5		ZB10K ZB12K	11.7	10	7.6	-		0.32	
G1/2	13.5		12	-	12	-	3.8								0.38	
G3/4	18		12	-	12	-	5								0.52	
G1	24		12	-	12	-	12								1.08	
G3/8	13.5	0.35	-	12	-	12	2.5	L282V01	ZC10A ZC12A	-	-	-	5.5	FPM	0.32	
G1/2	13.5		-	12	-	12	3.8								0.38	
G3/4	18		-	10	-	10	5								0.52	
G1	24		-	10	-	10	12								1.08	
G3/8	13.5		12	-	12	-	2.5		ZB10K ZB12K	11.7	10	7.6	-		0.32	
G1/2	13.5		12	-	12	-	3.8								0.38	
G3/4	18		10	-	10	-	5								0.52	
G1	24		10	-	10	-	12								1.08	

Note: B(NBR)=Nitrile-butylene elastomer V(FPM)=Fluoro-carbon elastomer D(EPDM)=Ethylene-propylene elastomer



SOLENOID VALVES

normally closed
pilot operated

2/2
Series
L182 BIG

FEATURES

- Diaphragm valve, pilot operated, having full orifice
- Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with material in contact.)
- High flow, long life
- Easy maintenance

STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 220V/50Hz-240V/60Hz



SPECIFICATIONS

Port Size ISO 228	Orifice Size (mm)	Differential Pressure (bar)						Kv (m³/h)	Series and Type			Power Absorption			Sealings	Weight (kg)			
		Δp Min	Δp Max				Valve		Valve with Manual Override	Coil	AC (VA)		DC (W)						
			Gases		Liquids						Inrush	Holding							
			AC	DC	AC	DC													
G1 1/4	30	0.50	10	10	10	10	15	L182BB01	L182BB02	ZA10A	23	14	9	NBR (diaphragm) FPM (actuator)	1.59				
G1 1/2	45						27								2.51				
G 2	45						34								2.99				
G1 1/4	30						15	L182VB01	L182VB02					FPM	1.59				
G1 1/2	45						27								2.51				
G 2	45						34								2.99				



SOLENOID VALVES

normally closed
pilot operated

2/2
Series
L282 BIG

FEATURES

- Diaphragm valve, pilot operated, having full orifice
- Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with material in contact.)
- High flow, long life
- Easy maintenance

STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 220V/50-240V/60Hz



SPECIFICATIONS

Port size ISO 228	Orifice size (mm)	Differential pressure (bar)						Kv (m3/h)	Series and type		Power absorption				Sealing	Weight (kg)
		Δp (kg) min	Δp max				AC (VA)				DC					
			Gases		Liquids		Inrush		Holding							
			AC	DC	AC	DC			VA	VA		W	W			
NO - Normally open, Brass Body																
G1 1/4	30	0.5	10	-	10	-	15	L282B48	ZA10Y	28	20	-	-	NBR	1.59	
G1 1/2	45		9	-	9	-	27								2.51	
G2	45		9	-	9	-	34								2.99	
G1 1/4	30		-	10	-	10	15								1.59	
G1 1/2	45		-	9	-	9	27		ZA10A	-	-	-	9		2.51	
G2	45		-	9	-	9	34								2.99	

Note: B(NBR)=Nitrile-butylene elastomer



SOLENOID VALVES

direct acting
brass or stainless steel bodies
G 1/8"

3/2
Series
L372
L376

FEATURES

- Direct acting solenoid valve
- Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with material in contact)
- Better performance with epoxy coil under moist & high temperature environment

STANDARD VOLTAGES

DC (=) : 24V

AC (~) : 115V/50Hz-120V/60Hz; 230V/50-60Hz



SPECIFICATIONS

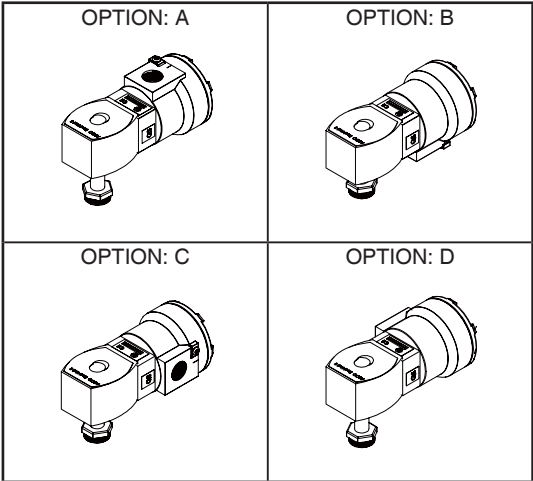
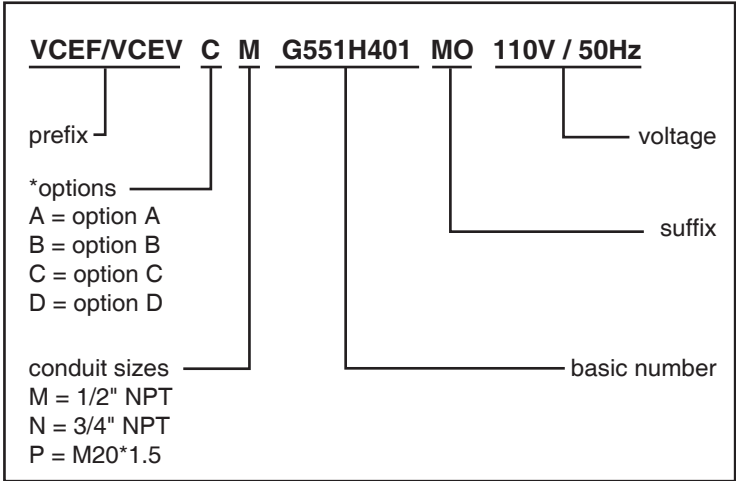
Port Size ISO 228	Orifice Size (mm)		Differential Pressure (bar)				Kv (m³/h)		Series and Type			Power Absorption				Sealings	Weight (kg)									
			Δp Min	Δp Max								AC (VA)			DC											
	Gases			Liquids		1↔2	1↔3	Body	Valve	Coil	Inrush VA	Holding		W												
	c.a.	c.c.		c.a.	c.c.							VA	VA					W	W							
NC - Normally closed																										
G1/8	1.2	1.2	0	15	15	15	15	0.05	0.05	Brass	L372V03C	ZB12AX	12	6	4	5.5	FPM	0.155								
	1.6	1.2		10	10	10	10	0.08	0.05																	
	2	1.2		5	5	5	5	0.1	0.05																	
	2.4	1.2		4	4	4	4	0.13	0.05																	
G1/8	1.2	1.2	0	15	15	15	15	0.05	0.05	Stainless steel	L372V07C	ZB12AX	12	6	4	5.5	FPM	0.14								
	1.6	1.2		10	10	10	10	0.08	0.05																	
	2	1.2		5	5	5	5	0.1	0.05																	
	2.4	1.2		4	4	4	4	0.13	0.05																	
G1/4	1.6	1.2		10	10	10	10	0.08	0.05	Brass	L376V03C	ZB12AX	12	6	4	5.5	FPM	0.205								
	2.4	1.2	0	4	4	4	4	0.14	0.05																	
	1.6	1.2		10	10	10	10	0.08	0.05	Stainless steel	L376V07C															
	2.4	1.2		4	4	4	4	0.14	0.05																	

TECHNICAL INFORMATION - VCEF&VCEV INSTALLATION

ORDERING EXAMPLES VALVES

Add prefix corresponding to specific conduit size required to any RedHat II valve catalog number & specify the voltage.

*options



INSTALLATION

- Installation/Maintenance instructions are included with each valve
- The solenoid operators can be mounted in any position without affecting operation
- For optimum life and performance, the solenoid should be mounted vertically and upright to reduce the possibility of foreign matter accumulating in the solenoid base sub-assembly area
- Internal and external earthing connection



ASCO

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