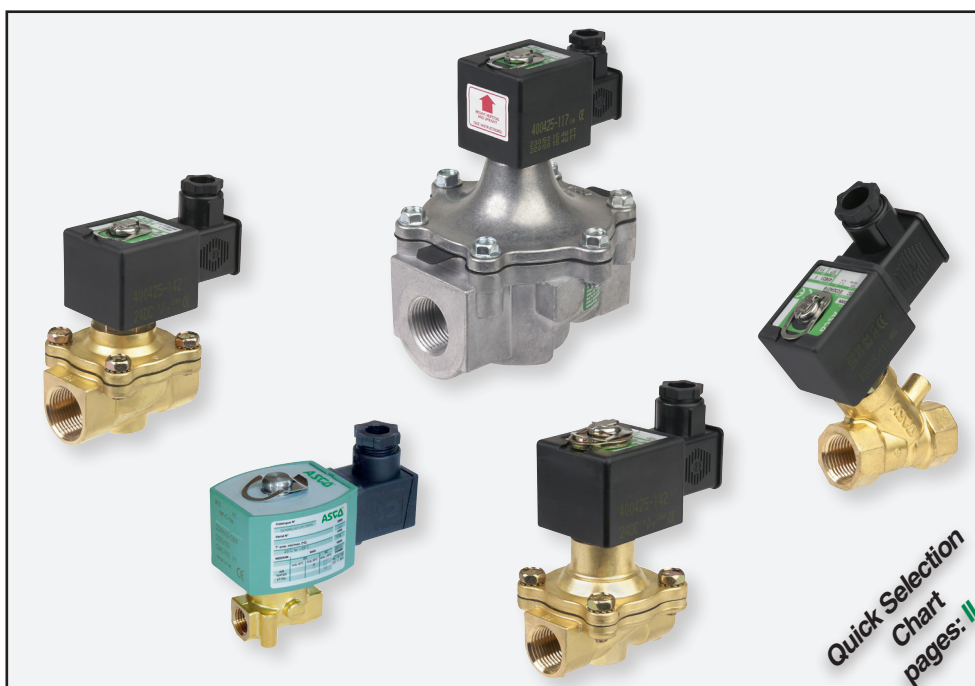


SPECIAL FLUIDS VACUUM SERVICE

Product Index



Quick Selection
Chart
pages: II

Fonction	Abs. pressure		Temperature		Pipe connections	Series	page	
	min. (mbar)	min. (Torr)	min. (°C)	max. (°C)				
SOLENOID VALVES, BRASS BODY								
NC	1,33.10 ⁻⁶	10 ⁻⁶	-25	+80	1/4	262	1	
	1,33.10 ⁻⁶	10 ⁻⁶	-20	+90	3/8 - 1/2	030	5	
NC-NO	1,33.10 ⁻⁶	10 ⁻⁶	-20	+90	3/8 .. 3/4	210	7	
2/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	287	⁽¹⁾	
3/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	387	⁽³⁾	
SOLENOID VALVES, ALUMINIUM BODY								
NC	1,33.10 ⁻⁶	10 ⁻⁶	-20	+90	1 .. 2	215	9	
SOLENOID VALVES, STAINLESS STEEL BODY								
2/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	287	⁽¹⁾	
VALVES, BRASS BODY								
2/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	287	⁽²⁾	
3/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	387	⁽⁴⁾	
VALVES, BRONZE BODY								
2/2 NC-NO	1,33.10 ⁻³	10 ⁻³	-10	+184	Threaded ports ⁽¹⁾	3/8 .. 2 1/2	E290	⁽²⁾
					Flanged ⁽¹⁾	DN 25..50	T290	⁽²⁾
3/2 NC-NO	1,33.10 ⁻³	10 ⁻³	-10	+184	Threaded ports ⁽¹⁾	1/2 .. 2	E390	⁽⁴⁾
VALVES, STAINLESS STEEL BODY								
2/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	3/8 .. 1	287	⁽²⁾
					Threaded ports ⁽¹⁾	1/2 .. 2 1/2	E290	⁽²⁾
	1,33.10 ⁻³	10 ⁻³	-10	+184	External thread ⁽¹⁾	1/2..1	U290	⁽²⁾
					Ext. thread, foods connections DIN 11851 ⁽¹⁾	RD 28x1/8 .. 44x1/6	Y290	⁽²⁾
	10 ⁻²	10 ⁻²	-25	+250	Clamp / Butt welding ⁽¹⁾	DN 10..65	S290	⁽²⁾
					Threaded ports (PN40)	1/2 .. 2	E298	⁽²⁾
					Flanged (DIN and ANSI Class 300)	DN 15..50	T298	⁽²⁾
					Socket welding ends	DN 15..50	S298	⁽²⁾
3/2 U	10 ⁻²	10 ⁻²	-25	+250	Threaded ports (PN40)	1/2 .. 2	E398	⁽⁴⁾
					Flanged (DIN and ANSI Class 300)	DN 15..50	T398	⁽⁴⁾
	10 ⁻²	10 ⁻²	-25	+250	Socket welding ends	DN 15..50	S398	⁽⁴⁾
					Socket welding ends	DN 15..50	S398	⁽⁴⁾

⁽¹⁾ With FPM disc, see: [Pressure Operated Valves \(2/2\)](#), www.asco.com.

Solenoid Valves (2/2) ⁽¹⁾
 Pressure Operated Valves (2/2) ⁽²⁾
 Solenoid Valves / Pneumatic Valves (3/2) ⁽³⁾
 Pressure Operated Valves (3/2) ⁽⁴⁾

(Potentially explosive atmospheres, see page: II)

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青岛秉诚自动化设备有限公司
 地址：中国·青岛市重庆南路99号海尔云街甲3号楼7F

服务热线：4006-918-365
 网址：http://www.asco.store

Vacuum Service - I
 传真：(86-532)585-10-365
 Email：sales@bechinas.com

pipe connections ☒ - internal thread				body material		orifice size (mm)	minimum absolute vacuum pressure (mbar)						pipe connections (°C)		power coil (W)		series	page											
M5	1/8	1/4	3/8	1/2	3/4		1	1 1/4	1 1/2	2	2 1/2	3	brass	aluminium	vacuum ≤ 25 Torr	vacuum ≤ 10 ⁻³ Torr			vacuum ≤ 10 ⁻⁶ Torr	vacuum ≤ 25 Torr	vacuum ≤ 10 ⁻³ Torr	vacuum ≤ 10 ⁻⁶ Torr	min.	max.	AC (~)	DC (=)			
NORMALLY CLOSED (NC)																													
												7,1						33,3	-	1,33 10 ⁻⁶	33,3	-	1,33 10 ⁻⁶	-25	+80	8,1	10,6	262	1
												9						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+90	10,5	-	030	5
												11						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+85/90	15,4	-	210	7
												19						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+85/90	10,5	-	210	7
												41						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+85/90	15,4	-	215	9
												53						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+85/90	15,4	-	215	9
NORMALLY OPEN (NO)																													
												16						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+85/90	10,5	-	210	7
												19						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+85/90	10,5	-	210	7
												41						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+85/90	15,4	-	215	9
												53						33,3	1,33 10 ⁻³	1,33 10 ⁻⁶	-	-	-	-20	+85/90	15,4	-	215	9

page	series	power coil (W)	operators (See Explosionproof Solenoids section)	group II				
				dusts zone 22	gas / dusts zones 1 - 21			zones 0 - 20
					3 D Ex tc	2 G Ex db 2 D Ex tb	2 G Ex eb mb 2 D Ex tb	
				IIIC T115°C Dc IP65X	IIIC T6..T4 Gb /IIC Db IP66/67	IIC T6..T3 Gb /Ex tb IIC Db IP66/67	IC T5..T3 Gb /IIC Db IP67	
				SG (M6-II)	NF (MXX) NF (M12) WSNF (MXX) WSNF (M12)	EM (M6) EM (MXX) EM (M12) WSEM (M6) WSEM (MXX) WSEM (M12)	PV (EM5) PV (EMXX)	
1	262	8,1 10,6				9 15,3		
5	030	10,5 15,4						
7	210	10,5						
9	215	15,4						