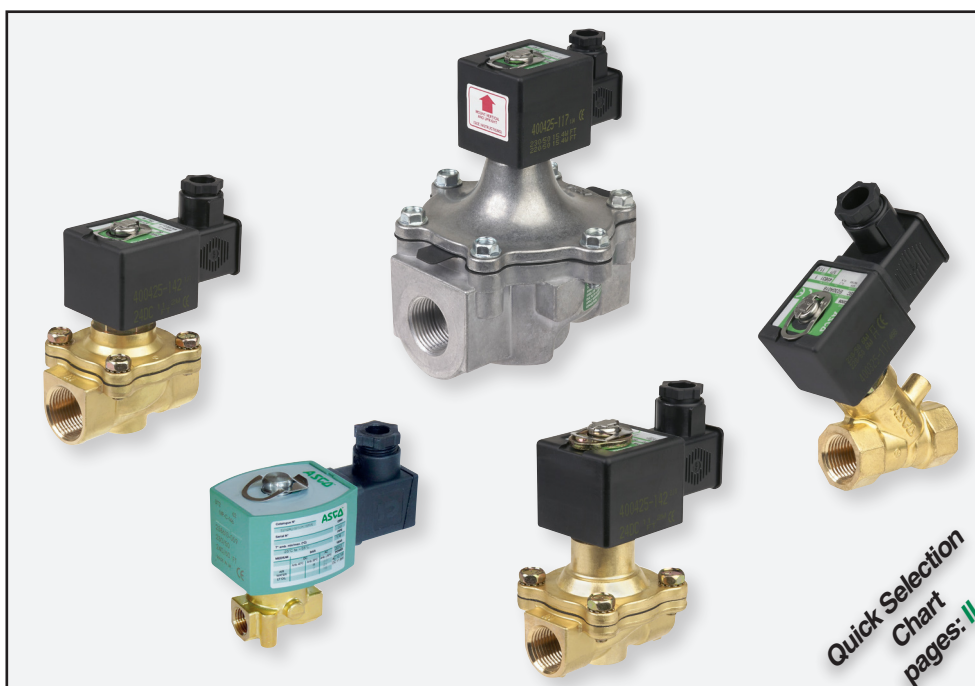


SPECIAL FLUIDS VACUUM SERVICE

Product Index



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	3/8 .. 1	287 ⁽¹⁾
3/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	3/8 .. 1	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	3/8 .. 1	287 ⁽¹⁾
VALVES, BRASS BODY							
2/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	3/8 .. 1	287 ⁽²⁾
3/2 NC-NO	10 ⁻⁴	7,5.10 ⁻⁵	-20	+100	Coaxial	3/8 .. 1	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⁾
	10 ⁻²	10 ⁻²	-25	+250	Flanged (DIN and ANSI Class 300)	DN 15..50	T298 ⁽²⁾
					Socket welding ends	DN 15..50	S298 ⁽²⁾
	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⁾
3/2 U	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)

All leaflets are available on: www.asco.com

Vacuum Service - I

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 AC (⌊)	vacuum ≤ 10 ⁻⁶ Torr	vacuum ≤ 25 Torr	vacuum ≤ 10 ⁻³ Torr DC (⌋)	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	+90	15,4	-	030	5
												☒			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				
		AC (~)	DC (=)		dusts	gas / dusts			zones 0 - 20
					zone 22	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	2 G Ex mb 2 D Ex mb	
					IIIC T115°C Dc IP65X	IIIC T6..T4 Gb /IIIC Db IP66/67	IIIC T6..T3 Gb /Ex tb IIIC Db IP66/67	IC T5..T3 Gb /IIIC 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	☒		☒	☒	☒	
5	030	10,5	-	☒		☒	☒	☒	
7	210	10,5	-	☒		☒	☒	☒	
9	215	15,4	-	☒		☒	☒	☒	