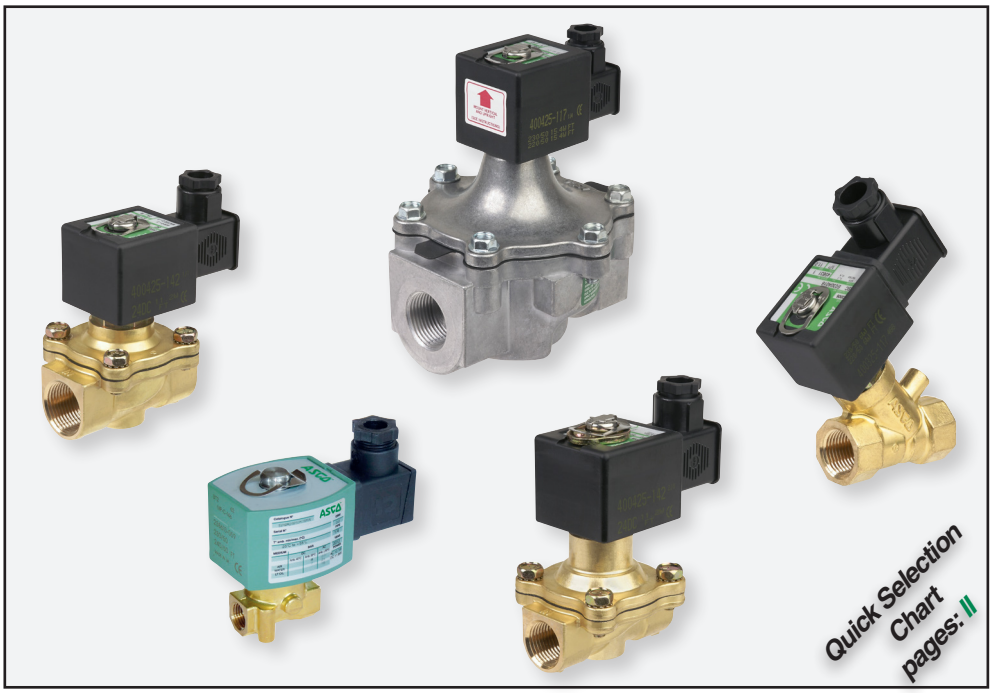
SPECIAL FLUIDS
VACUUM SERVICE
Product Index



Fonction	Abs. pressure min. (mbar)	Abs. pressure min. (Torr)	Temperature min. (°C)	Temperature max. (°C)		Pipe connections	Series	page
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)
	$1,33.10^{-3}$	10^{-3}	-10	+184	Threaded ports (1)	1/2..2 1/2	E290	(2)
					External thread (1)	1/2..1	U290	(2)
					Ext. thread, foods connections DIN 11851 (1)	RD 28x1/8 .. 44x1/6	Y290	(2)
					Clamp / Butt welding (1)	DN 10..65	S290	(2)
	10^{-2}	10^{-2}	-25	+250	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)
	10^{-2}	10^{-2}	-25	+250	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)

(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**

pipe connections: ■ - internal thread

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

IEC IECEx

operators (See Explosionproof Solenoids section)

group II — dusts zone 22: 3 D Ex tc IIIC T115°C Dc IP65X; gas / dusts zones 1 - 21: 2 G Ex db 2 D Ex tb IIC T6..T4 Gb /IIIC Db IP66/67; 2 G Ex eb mb 2 D Ex tb IIC T6..T3 Gb /Ex tb IIIC Db IP66/67; zones 0 - 20: 2 G Ex mb 2 D Ex mb IIC T5..T3 Gb /IIIC Db IIP67

page	series	power coil (W) AC (~)	DC	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		Ex	Ex				9			9				Ex
			10,6	Ex	Ex				15,3			15,3				Ex
5	030	10,5	-							Ex			Ex			Ex
		15,4	-								Ex			Ex		
7	210	10,5	-		Ex		Ex			Ex			Ex			Ex
9	215	15,4	-			Ex		Ex			Ex			Ex		

All leaflets are available on: **www.asco.com**