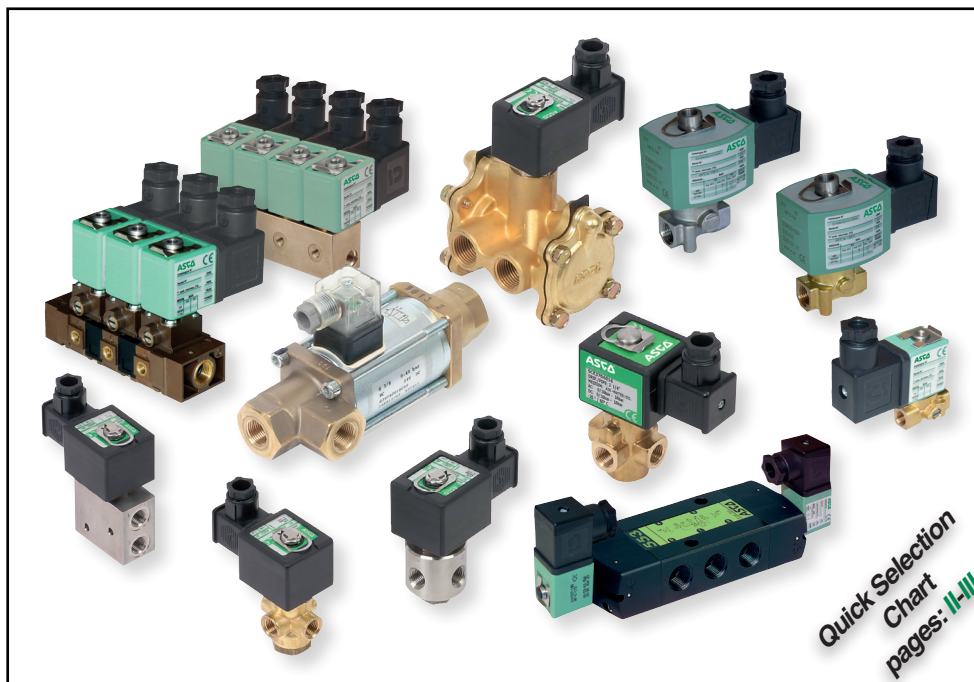


3/2 SOLENOID VALVES DIRECT AND PILOT OPERATED

Product Index



Function	ΔP		Temperature		Pipe connections	Series	Page	
	min. (bar)	max. (bar)	min. (°C)	max. (°C)				
BRASS BODY								
NC-NO-U	0	15	-10	+100	1/8 - 1/4	356	3	
	0	20	-25	+90	1/4	314	5	
	0	55	-20	+90	In-line	1/8 - 1/4	320	11
	0	16	-25	+80	In-line	1/4	370	15
U	0	10	-50	+120	1/4 - 1/2	327	17	
NC-NO	0	40	-20	+100	Coaxial	3/8 .. 1	387	19
	0	10	-10	+100	Manifolds	1/8	356	31
	0	16	-25	+80	Monostable/bistable, IP67, IEC 61508	pad mount (1/4-1/2)	374	33
NC	0	10	-40	+60	1/4	551	43	
	0	17	-20	+80	3/8 .. 1	316	49	
STAINLESS STEEL BODY								
NC	0	7	0	+60	M5 / pad mount	065	1	
NC-NO-U	0	15	-10	+100	1/8 - 1/4	356	3	
	0	20	-25	+90	1/4	314	5	
	0	20	-20	+90	In-line	1/8 - 1/4	320	11
	0	16	-25	+80	In-line	1/4	370	15
U	0	10	-50	+120	1/4 - 1/2	327	17	
ALUMINIUM BODY								
NC	0	12	-25	+90	ISO 15218 (CNOMO, size 30)	pad mount	374	35
	2	10	-25	+60	Monostable/bistable, IEC 61508	1/4 - 1/2	551-553	37
	0	10	-25	+60	Monostable/bistable, IP67, CEI 61508	1/4 - 1/2	551-553	41
SYNTHETIC BODY								
NC	0	10	-25	+60	ISO 15218 (CNOMO, size 15)	pad mount (M5-instant fittings)	302	21
NC-NO	0	10	-10	+60	ISO 15218 (CNOMO, size 30)	pad mount (1/8-instant fittings)	189	27
	0	15	-10	+80		pad mount (M5)	109	29
ACCESSORIES AND OPTIONS								
Supply rail for series 551/553						881	45	

(Potentially explosive atmospheres, see page: [IV](#))

All leaflets are available on: www.asco.com

Solenoid Valves (3/2) - I

pipe connections										body material				max. operating pressure differential (bar)										fluid temperature range		power coil		series	page						
- internal thread - internal thread, in-line - pad mount - pad mount, pneumatic-electric - pad mount, CNOMO size 15 - pad mount, CNOMO size 30 - NAMUR interface - manifold subbases - instant fittings										brass stainless steel aluminium synthetic				AC (~) DC (=)										(°C)		(W)									
M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	instant fitting 4 mm OD	pad mount	brass	stainless steel	aluminium	synthetic	orifice size (mm) / DN	min. operating pressure differential (bar)	air	inert gases	water	oil	other liquids	vacuum	air	inert gases	water	oil	other liquids	vacuum	min.	max.	AC (~)	DC (=)		
NORMALLY CLOSED (NC)																																			
																0,6	0	-	-	-	-	-	7	-	-	-	-	-	-0,9	0	+60	-	2,1	065	1
																2	0	-	-	-	-	-	1,5	-	-	-	-	-	-	0	+60	-	2,1		
																1,2	0	15	-	15	-	-	15	-	15	-	-	-	-10	+100	4	5,5	356	3	
																2,4	0	4	-	4	-	-	4	-	4	-	-	-	-10	+100	5	7			
																1,6	0	10	-	10	-	-	10	-	10	-	-	-	-10	+100	5	7			
																2,4	0	4	-	4	-	-	4	-	4	-	-	-	-10	+100	5	7			
																1,2	0	20	-	20	-	-	17	-	17	-	-	-	-25	-90	10,1	11,6	314	5	
																2,4	0	14	-	14	13	-	10	-	8	6	-	-	-25	-90	10,1	11,6			
																3,2	0	10	-	10	6,5	-	6	-	6	4,5	-	-	-25	-90	10,1	11,6			
																4	0	5	-	5	-	-	3	-	3	-	-	-	-25	-90	10,1	11,6			
																5,6	0	2,5	-	2,5	-	-	1,7	-	1,7	-	-	-	-25	-90	10,1	11,6			
																7,1	0	1,7	-	1,7	-	-	1	-	1	-	-	-	-25	-90	10,1	11,6			
																1,2	0	20	-	20	-	-	17	-	17	-	-	-20	+40	9	9,7				
																0,8	0	50	-	50	-	-	35	-	35	-	-	-20	+40	16,7	11,2				
																1,6	0	15	-	15	-	-	11	-	11	-	-	-20	+90	16,7	11,2				
																3,2	0	6	-	6	-	-	4,5	-	4,5	-	-	-20	+90	10,5	11,2				
																4,4	0	3	-	3	-	-	1,7	-	1,7	-	-	-20	+90	10,5	11,2				
																2	0	16	-	16	-	-	8	-	8	-	-	-25	+80	8	10,8				
																3,8	0	5	-	5	-	-	2	-	2	-	-	-25	+80	8	10,8				
																10	0	12/40	-	12/40	-	-	12/40	-	12/40	-	-	-20	+100	35	42				
																25	0	12/40	-	12/40	-	-	12/40	-	12/40	-	-	-20	+100	60	69				
																0,6	0	10	-	-	-	-	10	-	-	-	-	-25	+40	1,2	0,55				
																1,5	0	3	-	-	-	-	3	-	-	-	-	-25	+40	2,1	2,65				
																1,2	0	10	-	-	-	-	10	-	-	-	-	-10	+60	2,5	3	189	27		
																1	0	15	-	15	-	-	15	-	15	-	-	-10	+80	2,5	3	109	29		
																2,5	0	3	-	3	-	-	3	-	3	-	-	-10	+80	2,5	3				
																1,6	0	10	-	10	-	-	10	-	10	-	-	-10	+100	4	5,5	356	31		
																2,4	0	4	-	4	-	-	4	-	4	-	-	-10	+100	4	5,5				
																2	0	16	-	16	-	-	16	-	16	-	-	-25	+80	10,5	11,2	374	33		
																2,7	0	10	-	10	-	-	10	-	10	-	-	-25	+80	10,5	11,2				
																2	0	12	-	-	-	-	12	-	-	-	-	-25	+60/90	10,5	11,2	374	35		
																16	0,7	17	-	17	-	-	17	-	17	-	-	-20	+80	16,7	16,8				
																18	0,7	17	-	17	-	-	17	-	17	-	-	-20	+80	6	9,7				
																18-25	0,7	8,5	-	8,5	-	-	8,5	-	8,5	-	-	-20	+80	16,7	16,8				
																18-25	0,7	8,5	-	8,5	-	-	8,5	-	8,5	-	-	-20	+80	6	9,7				
NORMALLY CLOSED (NC) - MONOSTABLE/BISTABLE FUNCTION ⁽¹⁾																																			
																6	2 (0)	10	-	-	-	-	10	-	-	-	-	-25	+60	1,1	1,2	551	37		
																13	2 (0)	10	-	-	-	-	10	-	-	-	-	-25	+60	10,5	11,2	553	41		
																6	2 (0)	10	-	-	-	-	10	-	-	-	-	-40	+60	10,5	11,2	551	43		

(Potentially explosive atmospheres, see page: IV)

⁽¹⁾ 551-553: monostable function, certified IEC 61508 Functional Safety Data.

pipe connections										body material				orifice size (mm) / DN		min. operating pressure differential (bar)		max. operating pressure differential (bar)								fluid temperature range (°C)		power coil (W)		series	page		
<ul style="list-style-type: none"> - internal thread - internal thread, in-line - pad mount - pad mount, pneumatic-electric - pad mount, CNOMO size 15 - pad mount, CNOMO size 30 - NAMUR interface - manifold subbases - instant fittings 										<ul style="list-style-type: none"> brass stainless steel aluminium synthetic 				<ul style="list-style-type: none"> air inert gases 		<ul style="list-style-type: none"> AC (~) water oil other liquids vacuum 				<ul style="list-style-type: none"> DC (=) air inert gases water oil other liquids vacuum 				<ul style="list-style-type: none"> min. max. 		<ul style="list-style-type: none"> AC (~) DC (=) 		series	page				
NORMALLY OPEN (NO)																																	
																1.6	0	8.5	-	8.5	-	-	8.5	-	8.5	-	-	-10	+100	4	5.5	356	3
																1.2	0	20	-	20	-	-	17	-	17	-	-						
																2.4	0	12	-	12	-	-	11	-	11	-	-						
																3.2	0	11	-	11	-	-	10	-	10	-	-	-25	-90	10,1	11,6	314	5
																4	0	10	-	10	-	-	4	-	4	-	-						
																5.6	0	6.5	-	6.5	-	-	2.5	-	2.5	-	-						
																7.1	0	4	-	4	-	-	1.7	-	1.7	-	-						
																1.2	0	20	-	20	-	-	17	-	17	-	-	-20	+40	9	9,7		
																0.8	0	55	-	55	-	-	40	-	40	-	-	-20	+40	16,7	11,2		
																1.6	0	16	-	17	-	-	11	-	11	-	-	-20	+90	16,7	11,2		
																3.2	0	9	-	9	-	-	9	-	9	-	-	-20	+90	6	9,7		
																4.4	0	5	-	5	-	-	4	-	4	-	-	-20	+90	10,5	11,2		
																2	0	10	-	10	-	-	10	-	10	-	-	-20	+90	10,5	11,2		
																3.8	0	3	-	3	-	-	3	-	3	-	-	-25	+80	10,5	11,2	370	15
																10	0	12/40				-	12/40				-	-20	+100	35	42	387	19
																25	0	12/40				-	12/40				-	-20	+100	60	69	387	19
																1.2	0	6	-	-	-	-	6	-	-	-	-	-10	+60	2,5	3	189	27
																1.5	0	8	-	-	8	-	4	-	4	-	-	-10	+80	2,5	3	109	29
																16	0,7	17	-	17	-	-	17	-	17	-	-	-20	+80	16,7	16,8		
																16	0,7	8,5	-	8,5	-	-	8,5	-	8,5	-	-	-20	+80	6	9,7		
																18	0,7	17	-	17	-	-	17	-	17	-	-	-20	+80	16,7	16,8		
																18	0,7	8,5	-	8,5	-	-	8,5	-	8,5	-	-	-20	+80	6	9,7		
																25	0,7	8,5	-	8,5	-	-	8,5	-	8,5	-	-	-20	+80	6	9,7		
UNIVERSAL (U)																																	
																1.6	0	4.5	-	4.5	-	-	4.5	-	4.5	-	-	-10	+100	4	5.5	356	3
																2.4	0	2	-	2	-	-	2	-	2	-	-						
																1.2	0	13	-	13	-	-	13	-	13	-	-						
																2.4	0	7	-	5,5	4	-	7	-	5,5	4	-	-					
																3.2	0	4.5	-	4,5	2,5	-	3,5	-	3	-	-	-25	-90	10,1	11,6	314	5
																4	0	2.5	-	2.5	-	-	1.7	-	1.7	-	-						
																5.6	0	1.2	-	1.2	-	-	0.8	-	0.8	-	-						
																7.1	0	0.68	-	0.68	-	-	0.55	-	0.55	-	-						
																1.2	0	12	-	12	-	-	9	-	9	-	-	-20	+40	9	9,7		
																0.8	0	27	-	28	-	-	19	-	21	-	-	-20	+40	16,7	11,2		
																1.6	0	7	-	7	-	-	4	-	4	-	-	-20	+90	10,5	11,2		
																3.2	0	7	-	7	-	-	4,5	-	4,5	-	-	-20	+90	9	9,7		
																4.4	0	3.5	-	3.5	-	-	1,7	-	1,7	-	-	-20	+90	16,7	11,2		
																4.4	0	1.5	-	1.5	-	-	0.8	-	0.8	-	-	-20	+90	10,5	11,2		
																2	0	8	-	8	-	-	8	-	8	-	-	-25	+80	10,5	11,2	370	15
																3.8	0	2	-	2	-	-	2	-	2	-	-						
																5.7	0	10	-	10	-	-	10	-	10	-	-	-50	+120	10	11,2		
																12	0	10	-	10	-	-	10	-	10	-	-	-50	+120	3,7	3,6	327	17
																12	0	10	-	10	-	-	10	-	10	-	-	-50	+90	10/14,1	10/14		
UNIVERSAL (U) - CERTIFIED IEC 61508 FUNCTIONAL SAFETY DATA																																	
																5.7	0	10	-	10	-	-	10	-	10	-	-	-50	+120	10	11,2		
																12	0	10	-	10	-	-	10	-	10	-	-	-50	+120	3,7	3,6	327	17
																12	0	10	-	10	-	-	10	-	10	-	-	-50	+90	10/14,1	10/14		

(Potentially explosive atmospheres, see page: **IV**)

 		operators (See Explosionproof Solenoids section)		group II																						
				dusts		gas / dusts																				
				zone 22	zones 2 - 22	zones 1 - 21 or 1				zones 0-21		zones 0-20														
				3 D Ex tc	3 G Ex nA 3 D Ex tc	IIB+H2 Gb T6..T4, IIC Db IP66/IP67		IIC T4 Gb, IIC T135°C Db IP67		IIC T6..T3 Gb / IIC Db IP66/67		IIC T6 Ga, T85°C IP66/IP67 Db		IIC T6 Ga, IIC T85°C..T135°C IP65 Da												
page	series	AC (~)	DC (=)	SG (XM5)	SG (C25)	SG (MXX-II)	302	(WS)LPKF (M6)	(WS)NE (MXX)	(WS)NE (M12)	314/LPKF	WBLP	(WS)EM (M6)	(WS)EM (MXX)	(WS)EM (M12)	PV (EM5)	PV (EMXX)	WSCRWSEMMWSCRIS	195/LISC	LI/WSLJ (M6)	NFIS/WSNFIS	302	630 (piezotronic)			
3	356	4	6,9	⊕																						
		5	6,9	⊕																						
			6,9	⊕																						
5	314	10,1	-	⊕				10,5						10,5												
		-	11,6	⊕				11,2						11,2												
11	320	6	9,7										⊕													
		9	-										⊕													
		10,5	11,2					⊕					⊕													
15	370	10,5	11,2					⊕					⊕													
		-	0,5 ⁽¹⁾																							
17	327	10	11,2					⊕						⊕												
		3,7	3,6																							
		10	10					⊕						⊕												
19	387	-	-																							
		14,1	14					⊕						⊕												
21	302	-	-																							
		-	-					⊕																		
27	189	2,5	-	⊕										4												
		-	3	⊕										⊕												
29	109	2,5	3																							
33	374	10,5	11,2											⊕												
35	374	10,5	11,2											⊕												
37	551 553	-	-																							
		2,5	-	⊕											4											
		-	3												⊕											
		5	-	⊕											⊕											
41	551 553	10,5	11,2					⊕	⊕					⊕												
43	551	10,5	11,2					⊕	⊕					⊕												
45	881	-	-																							
49	316	6	9,7																							
		16,7	-												⊕											
		-	16,8												⊕											

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