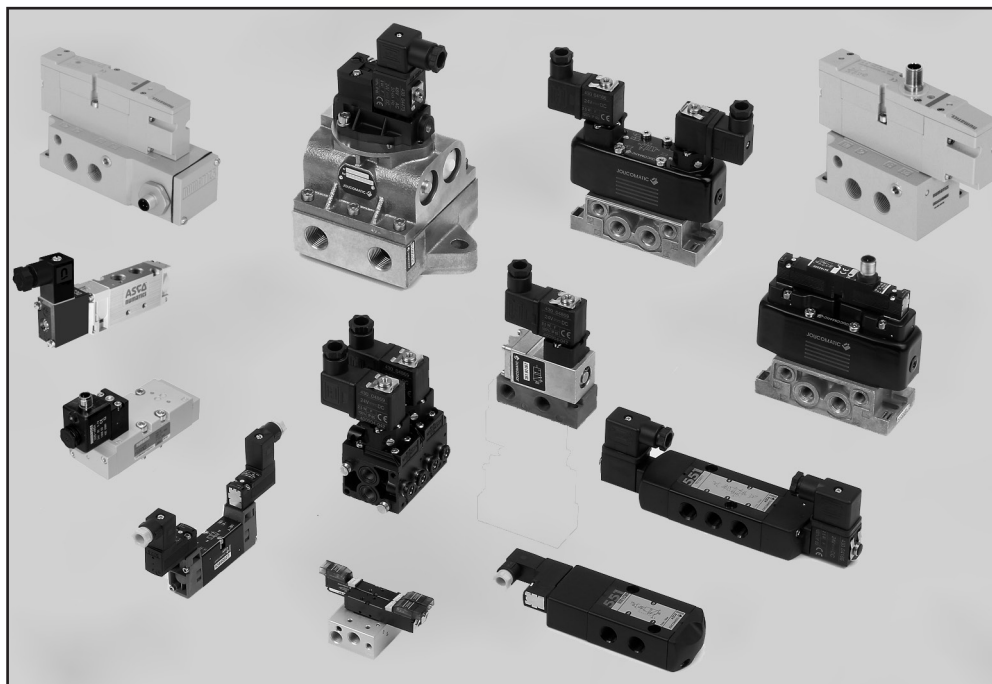


DIRECT OPERATED SOLENOID PILOT VALVES AND SOLENOID AIR OPERATED POPPET VALVES AND SPOOL VALVES

Product Index



ports/ positions	function			pipe connections					max. pres- sure (bar)	flow at 6 bar l/min (ANR)	Kv coef.	M12 connection	type	illustration	series	page	
				▮ - instant fittings O.D. (mm) ▮ - internal thread ØG ▮ - external thread ØG ⊥ - pad mount 1/2 - pad mount, pneumatic-electric 15/16 - pad mount, CNOMO size 15 30/32 - pad mount, CNOMO size 30													
	NC	NO	U	4	6	M3	M5	1/8									1/4
Solenoid pilot valves																	
3/2	●	●				▮			⊥	8	8	0,12		Micro 10		188	P501A-1
3/2	●	●					▮		⊥	10	13-44	0,20-0,65		Micro 10 high flow		188	P501B
2/2	●	●					▮		15/16	10	11-39	0,11-0,5	M12			302	P502A
3/2	●	●	●						1/2								P502B
2/2	●	●		▮					15/16	8	6-7	0,086-0,12		Piezotronic		630	P503
3/2	●	●	●							15	-	0,8-2,6				356	P506
3/2	●			▮						10	34	0,5	M12	Banjo		189	P508
3/2	●	●		▮	▮				30/32	10	50	0,6-0,7	M12			189	P509
3/2	●			▮	▮				30/32	10	70	1	M12			190	P510
3/2	●	●	●	▮	▮				30/32	16	112	1,5-1,6	M12			192	P512
















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ISO 5599-1 standards	ports/positions	function	pipe connections												valve technology	stainless steel screws	max. pressure (bar)	flow at 6 bar l/min (ANR)	solenoid pilot valve	type	illustration	series	page	
			NC	NO	4	6	M3	M5	1/8	1/4	3/8	1/2	3/4	1										1 1/4
Electric-pneumatic piloting interface																								
3/2	●																rubber packed	8	154	┴	Electric-pneumatic interface		302 304	P513-1
4/2																								
Poppet valves (1)																								
3/2	●																rubber packed	10	700 1750	┴	DM		261 262	P526
3/2	● ●																rubber packed	12	4500 35000	┴	DH		284 285 286	P528
3/2	●																rubber packed	12	3000 31500	┴	DP		266 267 268	P529
3/2	● ●																rubber packed	10	5675	┴	pilot 190 series ISO 3		G34	P530
4/2																	rubber packed	10	210 840	┴			263 264	P533
4/2																	rubber packed	10	700 1750	┴	DM		261 262	P535
4/2																	rubber packed	12	3000 31500	┴	DP		266 267 268	P540
Spool valves (1)																								
3/2	● ●																rubber packed	8	100	┴	Micro 10		518	P545
5/2																	rubber packed	8	100					
5/3																	rubber packed	8	80					
3/2	●																rubber packed	8	400	┴	Mini-spool valve		520	P550-1
5/2																	rubber packed	8	175 600 1050	┴	Mini-spool valve		519 520 521	P550-4
5/3																	rubber packed	8	400		Distribution set with integrated connections		520	P550-8
3/2	●																rubber packed	8	600					
5/2																	rubber packed	10	1090 1860		integrated pilot		L1 L2	P555
5/3																	rubber packed	7	500		Quick acting		92280	P557
3/2	●																rubber packed	10	860				551	P523
5/2																	rubber packed	10	860					P559
5/3																	rubber packed	10	860 3000 3800		High reliability in humid exterior environments		551 553	P524-1 P523A P560-1 P559A

(1) Connectors and accessories, see section J

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standards	ports/positions	function	pipe connections								valve technology	stainless steel screws	max. pressure (bar)	flow at 6 bar (ANR) l/min	solenoid pilot valve	type	illustration	series	page	
			instant fittings O.D. (mm)	internal thread ØG	pad mount	pad mount, CNOMO size 15	pad mount, CNOMO size 30	NAMUR mounting pad	ØG	pad										
VDMA/ISO15407-1																				
ISO 15407-2																				
ISO 5599-1																				
		NC/NO	6	8	1/8	1/4	3/8	1/2	3/4	1										
Spool valves (1)																				
			3/2	●								rubber packed	10	860 3000 3800	M12 C15	pilot series 302		551 553	P524-3 P560-3	
			5/2									rubber packed	10	860 3000 3800	C15	pilot series 630		551 553	P561	
			3/2	●								rubber packed	10	700 3000 3000	integrated pilot	NAMUR		551 553	P562 P562A	
			5/2									rubber packed	8	500	M12 C15	ISO02		538	P568-1	
			5/3									rubber packed	16	440	integrated pilot			CL18	P568-6	
			2x3/2	●	●							rubber	10	1200	M12	ISO01 (15407-1)		503	P566-1	
			5/2									rubber	8	1100	M12 subbase	ISO01 (15407-2)		503	P567-1	
			5/2									rubber packed	10	1050		ISO1 Compact		541	P569	
			5/2									rubber packed	10/12	1400	C130	ISO1		541	P570-5	
			5/3									rubber packed	10/12	2800	C130	ISO2		542		
			5/3									rubber packed	10/12	4200	C130	ISO3		543		
			5/2									rubber packed	10/12	1400	M12	ISO1		541	P570-7	
			5/3									rubber packed	10/12	2800	M12	ISO2		542		
			5/3									rubber packed	10/12	4200	M12	ISO3		543		
			5/2									rubber packed	10	1400	C130	ISO1		C12	P572-1	
			5/3									rubber packed	10	2400	C130	ISO2		C23		
			5/3									rubber packed	10	4800	C130	ISO3		C34		
			5/2									rubber packed	10	1400	M12	ISO1		C12	P572-3	
			5/3									rubber packed	10	2400	M12	ISO2		C23		
			5/2									rubber packed	10/12	6300/ 7000	C130	ISO4		544	P574	
Coils and solenoid operators																				
																			430	see page 4

(1) Connectors and accessories, see section J

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COIL CHARACTERISTICS

All coils are designed to operate at 15% or 10% below the nominal voltage (Un) and at 10% above the nominal voltage (Un). [Applicable standards: IEC 335, EN 60730- 1, UL 429]

The coils are rated for continuous duty within the maximum ambient temperature limits (100% ED).

CATALOGUE NUMBERS OF REPLACEMENT COILS

solenoid valve series	coil type	alternating current , AC (~) 50 Hz					direct current , DC (=)			
		24V	48V	115V	230V	240V	12V	24V	48V	110V
189	C22A - 2,5 W	43004416 (♣)	43004417 (♣)	43004419 (♣)	43004422 (♣)	43004423 (♣)	43004149	43004166	43004167	43004168
	C22 - 2,5 W (M12)	-	-	-	-	-	-	43005523	-	-
189	CM22 - 2,5 W	43004878 (♣)	43004879 (♣)	43004884 (♣)	43004886 (♣)	43004887 (♣)	43004867	43004869	43004873	43004875
189 banjo 551	CM22 ⁽¹⁾ - 2,5/3W	400127-081 (♣)	400127-085 (♣)	400127-098 (115V/50-120V/60)	400127-097 (♣)	400127-091 (♣)	400904-541	400904-542	400904-544	400904-548
356 (1/8)	CM22-4W/6,9W F	400127-181 (♣)	400127-185 (♣)	400127-181 (115V/50-120V/60)	400127-197 (♣)	-	400127-141	400127-142	400127-144	400127-148
356 (1/4)	CM25-5W/6,9W F	400727-181 (♣)	400727-185 (♣)	400727-118 (115V/50)	400727-117 (130V/50)	-	400727-181	400727-185	400727-118	400727-117
190	C25A - 3W	43004469	43004473	43004471	43004472	-	43004469	43004473	43004471	43004472
	C25 - 3 W (M12)	-	-	-	-	-	-	43005525	-	-
192	C30A	43005604 (♣)	43005611	43005617 (115V/50-120V/60)	43005627	-	-	43005642	-	-
	C30 (M12)	-	-	-	-	-	-	43005664	-	-

⁽¹⁾ For high reliability in humid exterior environments

(♣)Bifrequency 50/60 Hz.

CM22-4/6,9W COIL with connector Example: series 551, 356	C22 COIL with M12 connection Example: series 189	CM25-5/6,9W COIL with connector Example: series 238, 356 1/4	C25 COIL with M12 connection Example: series 190	C30A COIL with connector Example: series 192	C30 COIL with M12 connector Example: series 192
