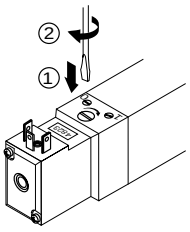
MINI SPOOL VALVES
solenoid air operated
Ø M5 - G1/8 - G1/4 tapped body
adaptable on joinable subbases

5/2-5/3
Series
519-520-521



GENERAL

Fluid		Air or neutral gaz, filtered, lubricated or not
Operating pressure		1,5 to 8 bar
Ambient temperature		+5°C to +50°C
Orifice size		519 : 2,5 mm; 520 : 4 mm; 521 : 6 mm
Flow (Qv at 6 bar)	series 519	175 l/min (ANR) - Kv : 2,5
	series 520	600 l/min (ANR) - Kv : 8,5
	series 521	1050 l/min (ANR) - Kv : 15



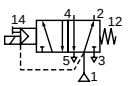
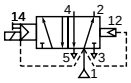
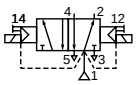
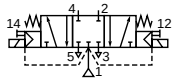
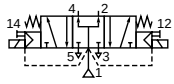
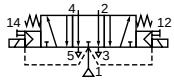
CONSTRUCTION

SPOOL VALVES	
Body	Anodised white aluminium
Cover	POM (polyacetal)
Internal parts	POM (polyacetal) and brass
Seals	NBR (nitrile)
Manual operator	Maintained, impulse Latchable in hold position (push-turn)
PILOT	
Seals	NBR (nitrile)
Electrical equipment	Conforming to NF C79300 standard
Coil and iron circuit	Encapsulated

ELECTRICAL CHARACTERISTICS

	voltages	consumption	insulation class	protection degree	electrical connection
~	24V, 115V, 230V - 50/60Hz	2 VA (1,5 W)	F	IP 65	spade plug size 15 connector, DIN 43650, 9,4 mm, industry standard B, rotatable by 90°
=	24V	1,6 W			

SPECIFICATIONS

function symbol		operators solenoid air operated pilot (14) return (12)	response time (ms) energized	 de-energized	voltages	catalogue number serie 519	 serie 520	 serie 521
5/2		spring return	20	30	24V ~	-	52000386	-
					115V ~	-	52000387	-
					230V ~	-	52000388	-
					24V =	-	52000380	52100401
		differential return	20	30	24V ~	51900002	52000002	52100002
					115V ~	51900003	52000003	52100003
					230V ~	51900004	52000004	52100004
					24V =	51900001	52000001	52100001
		solenoid air return	20	-	24V ~	51900006	52000006	52100006
					115V ~	51900007	52000007	52100007
					230V ~	51900008	52000008	52100008
					24V =	51900005	52000005	52100005
5/3		pressure held **W1**	20	50	24V ~	51900010	52000010	52100010
					115V ~	51900011	52000011	52100011
					230V ~	51900012	52000012	52100012
					24V =	51900009	52000009	52100009
		pressure applied **W2**	20	50	24V ~	51900126	52000126	52100126
					115V ~	51900127	52000127	52100127
					230V ~	51900128	52000128	52100128
					24V =	51900129	52000129	52100129
		pressure release **W3**	20	50	24V ~	51900087	52000087	52100087
					115V ~	51900088	52000088	52100088
					230V ~	51900089	52000089	52100089
					24V =	51900090	52000090	52100090

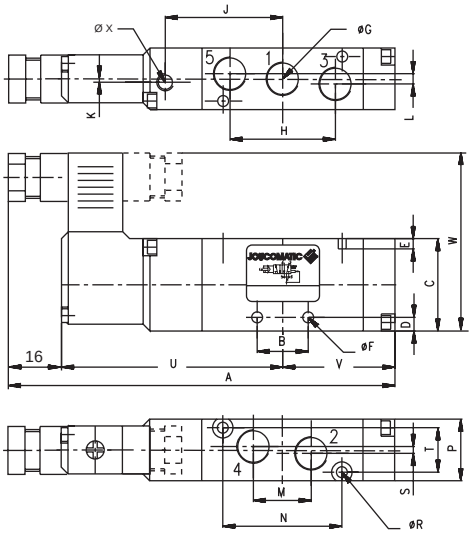
OPTIONS AND ACCESSORIES

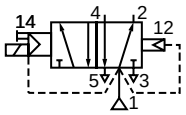
UR approval « UL Recognized »	24V =/~	**612102**
visual indicator (LED) and electrical protection (see section "Coils and Accessories")	24V =/~	**88130401**
	115V ~	**88130402**
	230V ~	**88130403**
connector size 15 with cable, 2 m long		**88143567**
connector size 15 with built-in visual indication and protection, with cable outlet, 2 m long (see section "Coils and Accessories")	24V =/~	**88143580**
flange for ports 2 - 4 with instant fittings for flexible tube 4 mm O.D. (series 519)		**88135525**
flange for ports 2 - 4 with instant fittings for flexible tube 6 mm O.D. (series 520)		**88135532**

SUBBASES : possible mounting on joinable subbases (see pages 6 & 7). Fixing screws and seals are supplied with subbases

DIMENSIONS (mm), WEIGHT (kg)

5/2 differential return and spring return

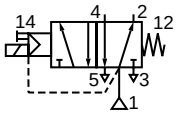




series	A	V
519	97,5	25
520	114	33,2
521	131,3	41,6

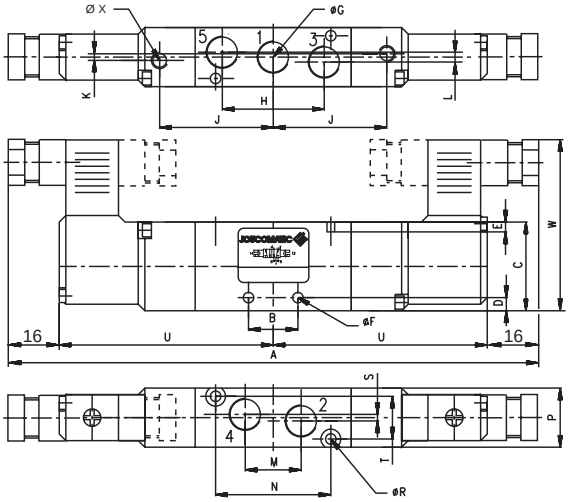
weight	
519	0,085
520	0,095
521	0,155

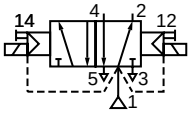
	series	B	C	D	E	ØF	ØG	H	J	K	L	M	N	P	ØR	S	T	U	W	ØX
5/2	519	11	26	4	4	3,3	M5	21,6	26	-	-	11	19	15	2,7	6	11	56,5	52	4
	520	15	27	6	3	3,3	G1/8	32,4	34,3	1	3	16,2	35	18	3,2	-	13	64,8	54,5	4
	521	22	31	6,5	4	4,3	G1/4	44	43,2	-	4	22	50	22	4,2	4	16	73,7	56,5	3



series	A	V
519	97,5	-
520	123,3	42,5
521	131,3	-

5/2 solenoid air return

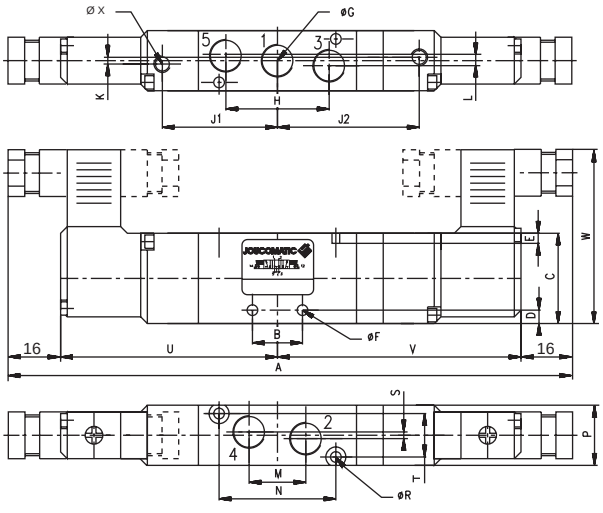


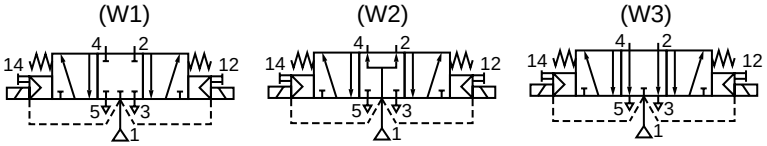


weight	
519	0,135
520	0,160
521	0,200

	series	A	B	C	D	E	ØF	ØG	H	J	K	L	M	N	P	ØR	S	T	U	W	ØX
5/2	519	145	11	26	4	4	3,3	M5	21,6	26	-	-	11	19	15	2,7	6	11	56,5	52	4
	520	161,5	15	27	6	3	3,3	G1/8	32,4	34,3	2	3	16,2	35	18	3,2	-	13	64,8	54,5	4
	521	179,5	22	31	6,5	4	4,3	G1/4	44	43,2	-	4	22	50	22	4,2	4	16	73,7	56,5	3

5/3 solenoid air return





	series	A	B	C	D	E	ØF	ØG	H	J1	J2	K	L	M	N	P	ØR
5/3	519	153	11	26	4	4	3,3	M5	21,6	26	34	-	-	11	19	15	2,7
	520	170,3	15	27	6	3	3,3	G1/8	32,4	34,3	43,3	1	3	16,2	35	18	3,2
	521	188,3	22	31	6,5	4	4,3	G1/4	44	43,2	52,1	-	4	22	50	22	4,2

	series	S	T	U	V	W	ØX	weight
5/3	519	6	11	56,5	64,5	52	4	0,140
	520	-	13	64,8	73,7	54,5	4	0,170
	521	4	16	73,7	82,6	56,5	3	0,210

00439GB-2006/R01
ASCO/JOUCOMATIC reserves the right to alter the availability, design and specifications without notice.