

VALVES SERIES 70, SOLENOID/PNEUMATIC



TECHNICAL DATA	1/8"	1/4"	3/8"	1/2"
Operating pressure:				
• monostable	bar		2.5 to 10	
• bistable	bar		1 to 10	
• asserved	bar		Vacuum to 10	
Minimum pilot pressure	bar		2.5	
Operating temperature range	°C		-10 to +60	
Nominal diameter	mm	5	7.5	13.3
Conductance C	Nl/min · bar	121.43	264.26	505.52
Critical ratio b	bar/bar	0.32	0.27	0.32
Flow rate at 6 bar ΔP 0.5 bar	Nl/min	400	750	1530
Flow rate at 6 bar ΔP 1 bar	Nl/min	550	1100	2150
TRA / TRR monostable at 6 bar	ms	15/35	19/45	21/72
TRA / TRR bistable at 6 bar	ms	20/20	21/21	18/18
Hand operation				
Coil voltage values		bistable 12; 24VDC - 24; 110; 220VAC 50/60Hz 2 W (DC) 3.5VA (AC)		
Power				
Voltage tolerance	%		-10 to +15	
Insulation class			F 155	
Maximum coil nut torque	Nm		1	
Manual		Bistable		Bistable on solenoid pilot Monostable on valve body

SYNOPTIC, SIZES AND VERSIONS

SOV FAMILY	2 DIMENSIONS	3 FUNCTION	SO OPERATORS 14	S RESETTING (12)	NC FURTHER DETAILS
SOV solenoid/ pneumatic	2 1/8" 3 1/4" C 3/8" 4 1/2"	3 3/2 5 5/2 6 5/3 ■ 8 2-3/2	SO solenoid SE solenoid assisted	S mechanical springs B bistable D differential P pneumatic ◆ A pneumatic/mechanical spring	NC normally closed NO normally open CC closed centres OC open centres PC pressure centres OO 5/2 ▲ NC-NO normally closed - normally open

■ Only available for size 1/8" and 1/4"
 ◆ On demand
 ▲ Only available for function 2-3/2

MONOSTABLE 3/2 NO

Symbol	Code	Abbrev.
	7010020400	SOV 23 SOS NO 1/8"
	7020020400	SOV 33 SOS NO 1/4"
	7040020400	SOV C3 SOS NO 3/8"
	7030020400	SOV 43 SOS NO 1/2"
	7040020600	SOV C3 SES NO 3/8"

MONOSTABLE 3/2 NC

Symbol	Code	Abbrev.
	7010020200	SOV 23 SOS NC 1/8"
	7020020200	SOV 33 SOS NC 1/4"
	7040020200	SOV C3 SOS NC 3/8"
	7030020200	SOV 43 SOS NC 1/2"
	7010020500	SOV 23 SES NC 1/8"
	7020020500	SOV 33 SES NC 1/4"
	7040020500	SOV C3 SES NC 3/8"
	7030020500	SOV 43 SES NC 1/2"

MONOSTABLE 5/2

Symbol	Code	Abbrev.
	7010021100	SOV 25 SOS OO 1/8"
	7020021100	SOV 35 SOS OO 1/4"
	7040021100	SOV C5 SOS OO 3/8"
	7030021100	SOV 45 SOS OO 1/2"
	7010021500	SOV 25 SES OO 1/8"
	7020021500	SOV 35 SES OO 1/4"
	7040021500	SOV C5 SES OO 3/8"
	7030021500	SOV 45 SES OO 1/2"

BISTABLE 5/2

Symbol	Code	Abbrev.
	7010021200	SOV 25 SOB OO 1/8"
	7020021200	SOV 35 SOB OO 1/4"
	7040021200	SOV C5 SOB OO 3/8"
	7030021200	SOV 45 SOB OO 1/2"
	7010021300	SOV 25 SOD OO 1/8"
	7020021300	SOV 35 SOD OO 1/4"
	7040021300	SOV C5 SOD OO 3/8"
	7030021300	SOV 45 SOD OO 1/2"
	7010021600	SOV 25 SEB OO 1/8"
	7020021600	SOV 35 SEB OO 1/4"
	7040021600	SOV C5 SEB OO 3/8"
	7030021600	SOV 45 SEB OO 1/2"

BISTABLE 3/2

Symbol	Code	Abbrev.
	7010020100	SOV 23 SOB OO 1/8"
	7020020100	SOV 33 SOB OO 1/4"
	7040020100	SOV C3 SOB OO 3/8"
	7030020100	SOV 43 SOB OO 1/2"
	7010020300	SOV 23 SEB OO 1/8"
	7020020300	SOV 33 SEB OO 1/4"
	7040020300	SOV C3 SEB OO 3/8"
	7030020300	SOV 43 SEB OO 1/2"

DOUBLE 3/2

Symbol	Code	Abbrev.
	7010023100	SOV 28 SOS NC 1/8"
	7020023100	SOV 38 SOS NC 1/4"
	7010023200	SOV 28 SOS NO 1/8"
	7020023200	SOV 38 SOS NO 1/4"
	7010023300	SOV 28 SOS NC-NO 1/8"
	7020023300	SOV 38 SOS NC-NO 1/4"
	7010023400	SOV 28 SES NC 1/8"
	7020023400	SOV 38 SES NC 1/4"
	7010023500	SOV 28 SES NO 1/8"
	7020023500	SOV 38 SES NO 1/4"
	7010023600	SOV 28 SES NC-NO 1/8"
	7020023600	SOV 38 SES NC-NO 1/4"

MONOSTABLE 5/3

Symbol	Code	Abbrev.
	7010022100	SOV 26 SOS CC 1/8"
	7020022100	SOV 36 SOS CC 1/4"
	7040022100	SOV C6 SOS CC 3/8"
	7030022100	SOV 46 SOS CC 1/2"
	7010022200	SOV 26 SOS OC 1/8"
	7020022200	SOV 36 SOS OC 1/4"
	7040022200	SOV C6 SOS OC 3/8"
	7030022200	SOV 46 SOS OC 1/2"
	7010022300	SOV 26 SOS PC 1/8"
	7020022300	SOV 36 SOS PC 1/4"
	7040022300	SOV C6 SOS PC 3/8"
	7030022300	SOV 46 SOS PC 1/2"
	7010022400	SOV 26 SES CC 1/8"
	7020022400	SOV 36 SES CC 1/4"
	7040022400	SOV C6 SES CC 3/8"
	7030022400	SOV 46 SES CC 1/2"
	7010022500	SOV 26 SES OC 1/8"
	7020022500	SOV 36 SES OC 1/4"
	7040022500	SOV C6 SES OC 3/8"
	7030022500	SOV 46 SES OC 1/2"
	7010022600	SOV 26 SES PC 1/8"
	7020022600	SOV 36 SES PC 1/4"
	7040022600	SOV C6 SES PC 3/8"
	7030022600	SOV 46 SES PC 1/2"