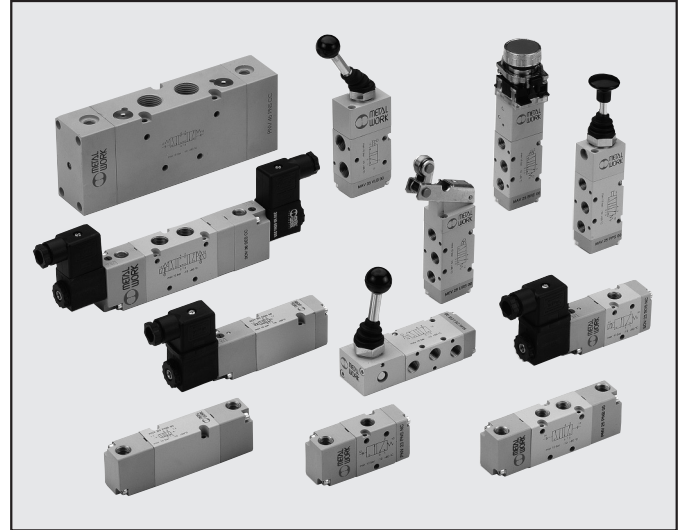


VALVES SERIES 70

This is Metal Work's full range. Available in three sizes: 1/8", 1/4", 1/2". Three versions: 3/2 5/2 5/3, four different types of actuation (mechanical, manual, pneumatic and electric). Series 70 valves can be used for a wide range of applications as they can be mounted in line, on the wall, on the cylinder using a special bracket, or in series on a multiple or manifold base.

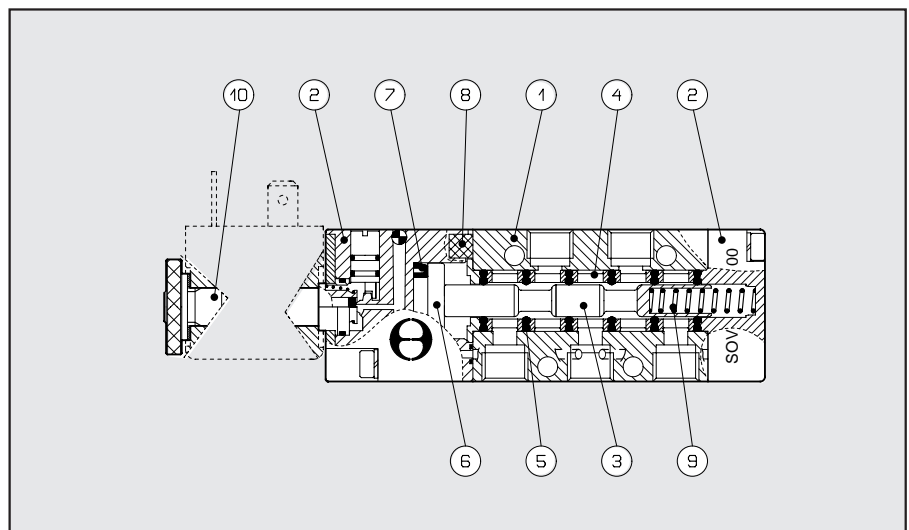


2

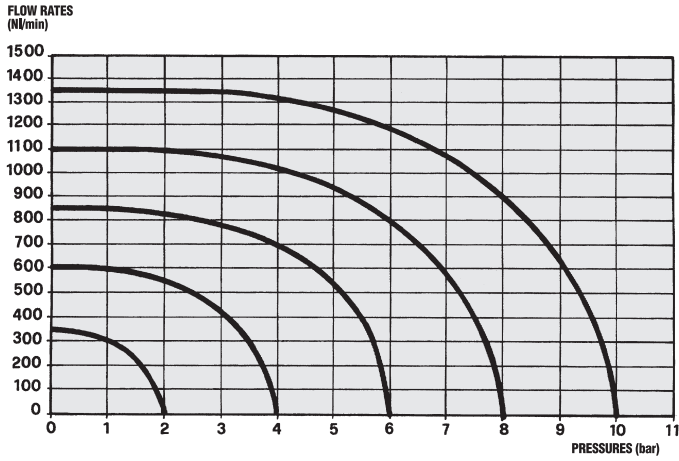
TECHNICAL DATA	1/8"	1/4"	1/2"
Fluid	Filtered air without lubrication; lubrication, if used, must be continuous		
Thread on the valve ports	G 1/8	G 1/4	G 1/2
Operating pressure:			
• monostable	2.5 ÷ 10 bar		
• bistable	1 ÷ 10 bar		
• asserved	vacuum ÷ 10 bar		
Minimum pilot pressure	2.5 bar		
Operating temperature range	-10°C ÷ +60°C		
Nominal diameter	5 mm	7.5 mm	15 mm
Conductance C	121.43 NI/min · bar	264.26 NI/min · bar	971.43 NI/min · bar
Critical ratio b	0.32 bar/bar	0.27 bar/bar	0.43 bar/bar
Flow rate at ΔP 0.5 bar	400 NI/min	750 NI/min	3,200 NI/min
Flow rate at ΔP 1 bar	550 NI/min	1100 NI/min	4,600 NI/min
Installation	In any position (vertical assembly is not recommended for bistable valves subjected to vibration)		
Recommended lubricant	ISO and UNI FD 22		
Maximum coil nut torque	1 Nm		
Compatibility with oils	please refer to page 6.1/08		

COMPONENTS

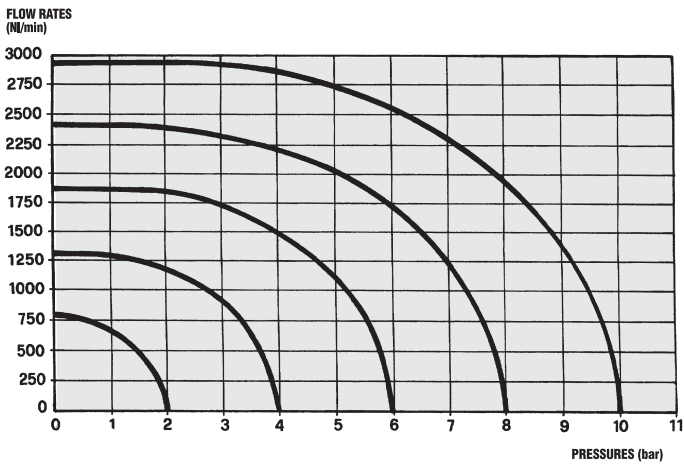
- ① VALVE BODY: Aluminium
- ② CONTROL/END CAP: HOSTAFORM®
- ③ SPOOL: chemically nickel-plated aluminium
- ④ DISTANCE PLATES: plastic
- ⑤ GASKETS: Nitrile rubber NBR
- ⑥ PISTONS: HOSTAFORM®
- ⑦ PISTON GASKET: Nitrile rubber NBR
- ⑧ FILTER: sintered bronze
- ⑨ SPRINGS: special steel
- ⑩ OPERATOR: Brass pipe – Stainless steel core



VALVES SERIES 70, 1/8"



VALVES SERIES 70, 1/4"



VALVES SERIES 70, 1/2"

