

Mechanically operated valves Series 1 and 3

Series 1: 3/2-way and 5/2-way, ports G1/8 and G1/4
Series 3: 3/2-way and 5/2-way, ports G1/8



These mechanically operated valves have been designed with three different types of actuation:

- plunger
- lever/roller
- unidirectional lever/roller

In each case, return is triggered by a mechanical spring.

The 3/2-way monostable valves of Series 3 are normally closed in the rest position when pressure is supplied in 1 and are normally open when pressure is supplied on connection 3, the user port 2 remaining unchanged.

The 5/2-way valves of Series 3 may be supplied via the ports 3 and 5 with two different pressures if a cylinder has to be operated using a delivery pressure which is different from the return pressure.

GENERAL DATA

Construction	spool-type (Series 3), poppet-type (Series 1)
Valve group	3/2, 5/2 way/pos.
Materials	aluminium body, poppet OT58, stainless steel spool, NBR seals
Ports	G1/8, G1/4
Ambient temperature	0°C÷ 60°C
Medium temperature	0°C÷ 50°C
Operating pressure	see models
Fluid	Filtered air, without lubrication. If lubricated air is used, it is recommended to use ISO VG32 oil. Once applied the lubrication should never be interrupted.



Technical drawing of a mechanical part. The main view shows a cylindrical component with a total length of 63. A central section has a diameter of $\phi 4,5$ and a length of 23. A detail view on the right shows a cross-section of a hole with a diameter of $\phi 1,6$ and a depth of 26. The detail view also shows a thread specification of G1/8.

