

M/1553/3/2 poppet valves, mechanically actuated M5



- Extremely compact trip and detector valves
- Very light operating forces
- Substantially non-corrodible construction
- Manual versions also available on request



Technical features

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operation:

Poppet valves, directly actuated

Operating pressure:

2 ... 10 bar

Port size:

M5

Fluid/Ambient temperature:

-20°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C.

Materials

Body: plastic

Roller operator: plastic

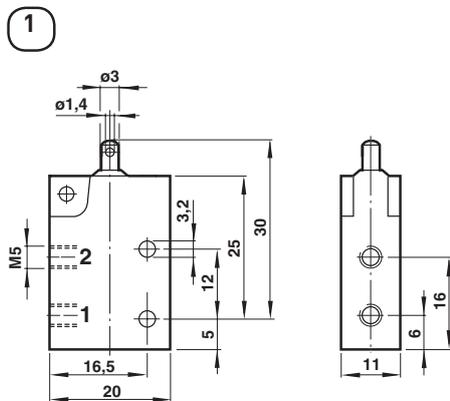
Plunger: brass

Seals: nitrile

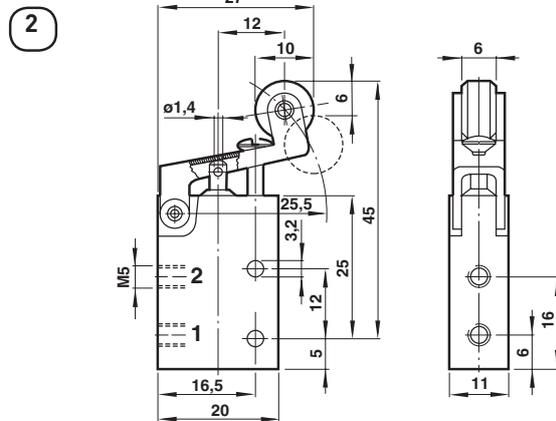
Technical data

Symbol	Port size	Function	Operator/return	Operating pressure (bar)	Operating force at 6 bar (N)	Flow (L/min)	Cv	Weight (kg)	Drawing No.	Model
	M5	3/2	Plunger/spring	2 ... 10	5	59	0,06	0,010	1	M/1553/14
	M5	3/2	Roller/spring	2 ... 10	14	59	0,06	0,014	2	M/1553/8

Dimensions



Pre-travel: 1,0 mm
 Operating Travel: 1,0 mm
 Over-travel: 1,0 mm



Pre-travel: 2,5 mm
 Operating Travel: 2,5 mm
 Over-travel: 2,5 mm

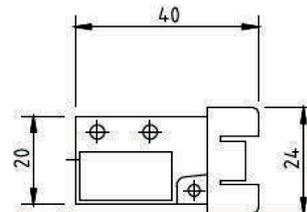
QM/1553/Body Only (3/2) and V11783 range



3/2 Body Only

To be paired with V11783 (range) depending on required application

Thread Size	Function	Actuation	Model
M5	3/2	Body with electrical adaptor	QM/1553/B/21



Operating heads for use with G1/8, 3/2 and 5/2 Adaptor valves

Panel hole: Ø 22,5 mm

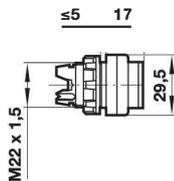
Panel thickness: 6 mm maximum

V11783-C01 (pink)

V11783-C02 (green)

V11783-C03 (black)

Button (palm) operated, spring return

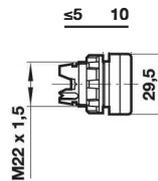


V11783-C04 (pink)

V11783-C05 (green)

V11783-C06 (black)

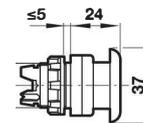
Button (shrouded) operated, spring return



V11783-C07 (red)

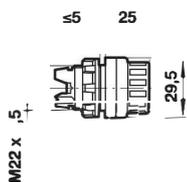
V11783-C08 (green)

Button (mushroom) operated, spring return



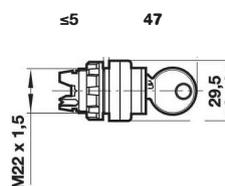
V11783-C10

Rotary knob operated rotary knob return



V11783-C12

Key operated key return



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.