M/1702 or M/1704, 5/2 & 5/3 Manually actuated spool valves

- **Port size: G1/4, G1/2**
- **Compact, well proven range - perfectly suited to many applications**
- **Simple servicing and sub-base mounting for reduced down-time**

Technical features

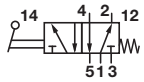
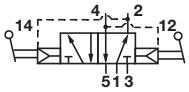
Medium:
Compressed air, filtered, lubricated and non-lubricated
Operation:
Spool valves, directly actuated
Operating pressure:
2 ... 10 bar (29 ... 145 psi)

Port size:
G1/4, G1/2
Mounting:
Valve should be mounted with the axis of the spool horizontal

Ambient/Media temperature:
-20°C ... +80°C (-4 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

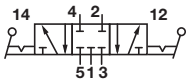
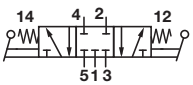
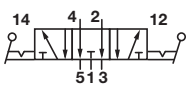
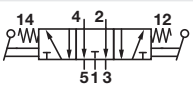
Materials:
Body and sub-base: pressure diecast zinc alloy
Spool: aluminium
Mechanism: steel and plastic centring
Seals: NBR

5/2 Manually actuated valves

Symbol	Port size	Function	Operator/ return	Operating force (N)	Operating pressure (bar)	Flow (l/min)	Weight (kg)	Drawing No.	Model
	G1/4	5/2	Lever/spring	26	2 ... 10	1290	0,65	1	M/1702/86
	G1/2	5/2	Lever/spring	44	2 ... 10	3200	0,65	2	M/1704/86
	G1/4	5/2	Lever/lever *1)	37	2 ... 10	1290	0,95	1	M/1702/177
	G1/2	5/2	Lever/lever *1)	44	2 ... 10	3200	0,95	2	M/1704/177

1*) Air assisted detent - air supply must be connected to port 1

5/3 Manually actuated valves

Symbol	Port size	Function	Operator/return	Mid position	Operating force (N)	Operating pressure (bar)	Flow (l/min)	Weight (kg)	Drawing No.	Model
	G1/4	5/3	Lever/lever/lever *2)	APB	31	2 ... 10	1290	0,80	3	M/1702/87
	G1/2	5/3	Lever/lever/lever *2)	APB	37	2 ... 10	3200	0,80	4	M/1704/87
	G1/4	5/3	Lever/spring/lever *2)	APB	31	2 ... 10	1290	0,80	5	M/1702/687
	G1/2	5/3	Lever/spring/lever *2)	APB	42	2 ... 10	3200	0,80	6	M/1704/687
	G1/4	5/3	Lever/lever/lever *3)	COE	31	2 ... 10	1290	0,80	3	M/1712/87
	G1/2	5/3	Lever/lever/lever *3)	COE	37	2 ... 10	3200	0,80	4	M/1714/87
	G1/4	5/3	Lever/spring/lever *3)	COE	31	2 ... 10	1290	0,80	5	M/1712/687
	G1/2	5/3	Lever/spring/lever *3)	COE	42	2 ... 10	3200	0,80	6	M/1714/687

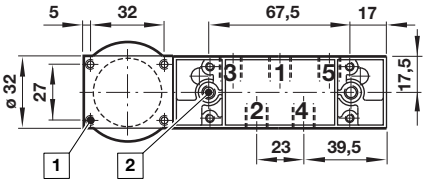
APB = All ports blocked
COE = Centre open exhaust

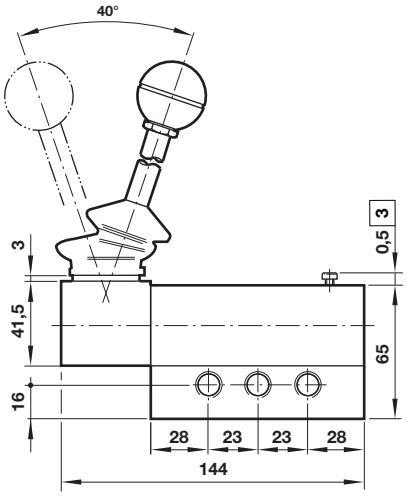
*2) Fully sealed mid-position
*3) Supply sealed mid-position

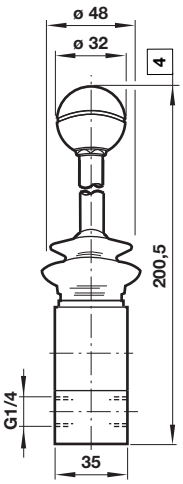
Dimensions

Dimensions in mm
Projection/First angle

1







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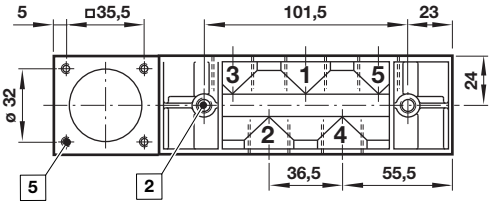
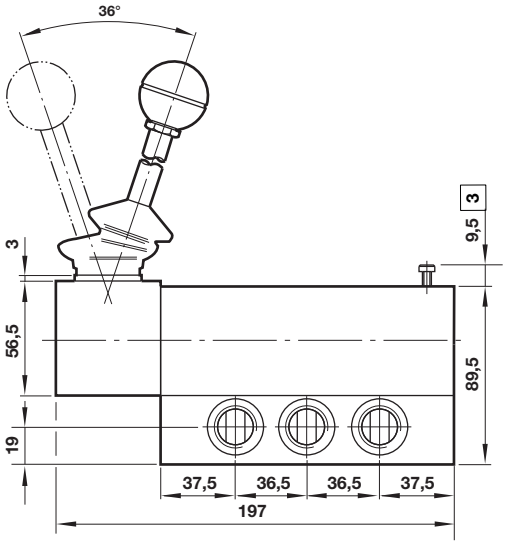
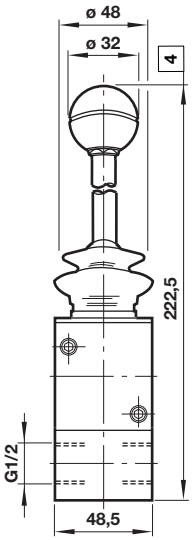


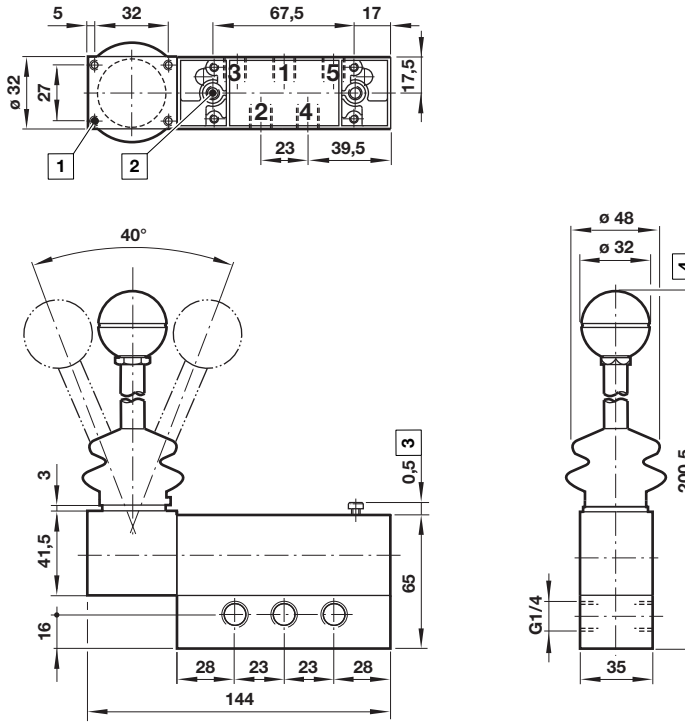




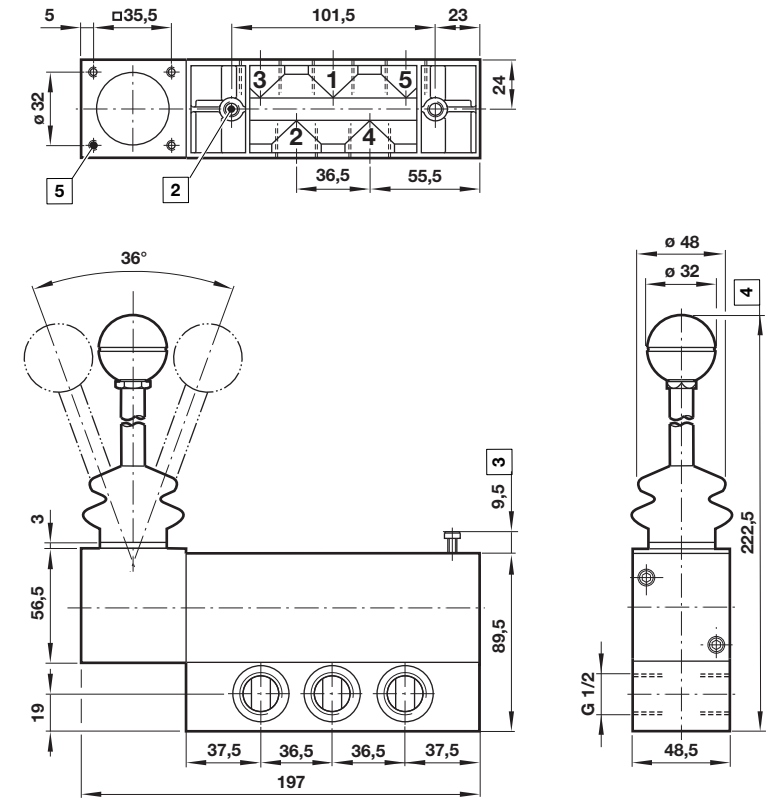
1 M4 - 7 mm deep
2 M6
3 Minimum
4 Maximum
5 M5 - 10 mm deep
6 M8

Dimensions in mm
Projection/First angle

3



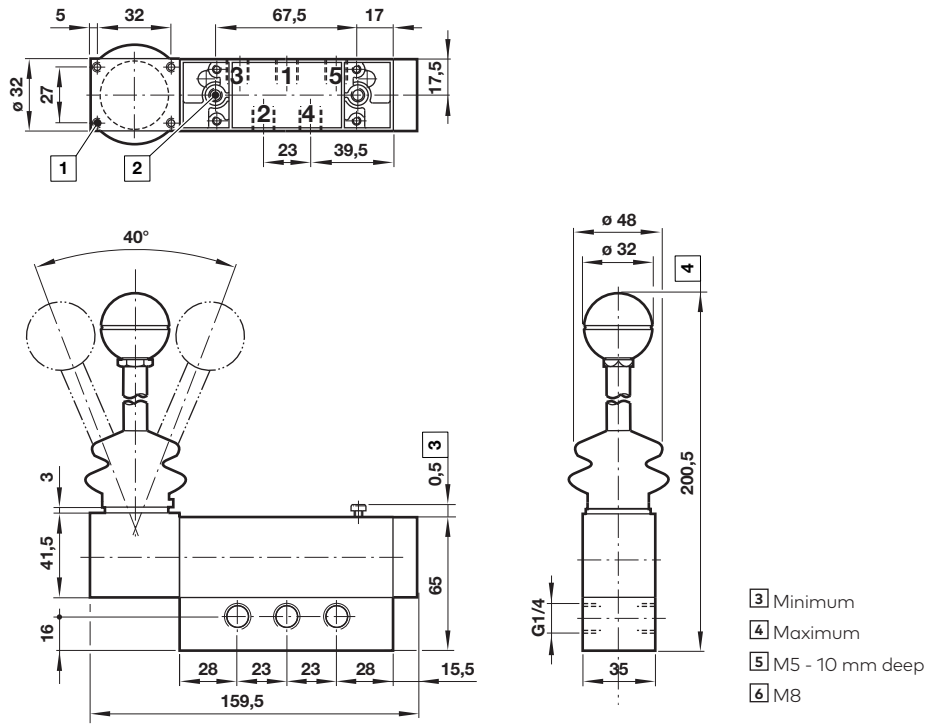
4



1 M4 - 7 mm deep
2 M6
3 Minimum
4 Maximum
5 M5 - 10 mm deep
6 M8

Dimensions in mm
Projection/First angle

5



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 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.