

- > **Port size: G1/4, G1/2**
- > **Rugged well proven range of valves suitable for panel mounting**
- > **Air assisted detent ensures positive location of valve and prevents spool movement due to vibration**
- > **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

Panel mounting size;

Panel hole: Ø 32 mm

Panel thickness: 3 mm maximum

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

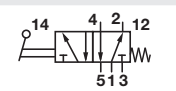
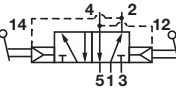
Spool: aluminium

Mechanism: steel and plastic

centring

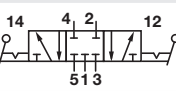
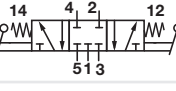
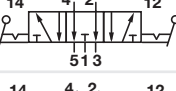
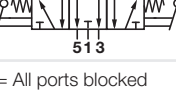
Seals: NBR

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

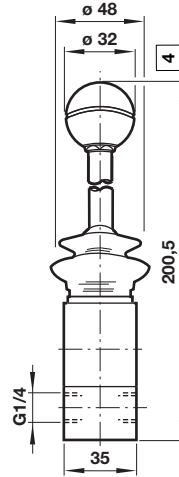
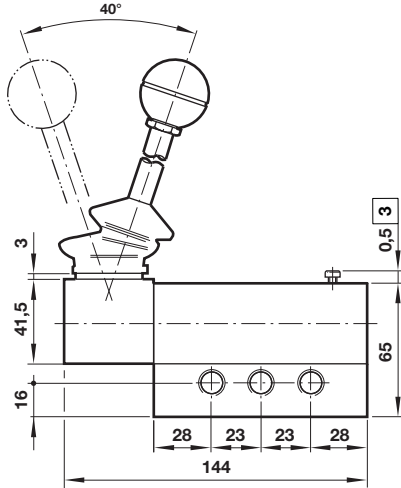
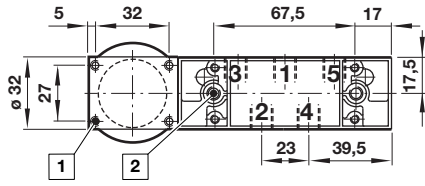
*3) Supply sealed mid-position

Dimensions

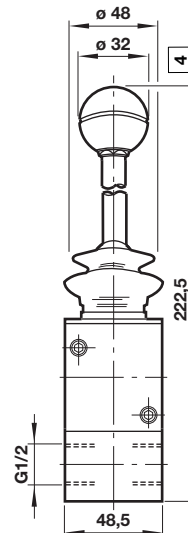
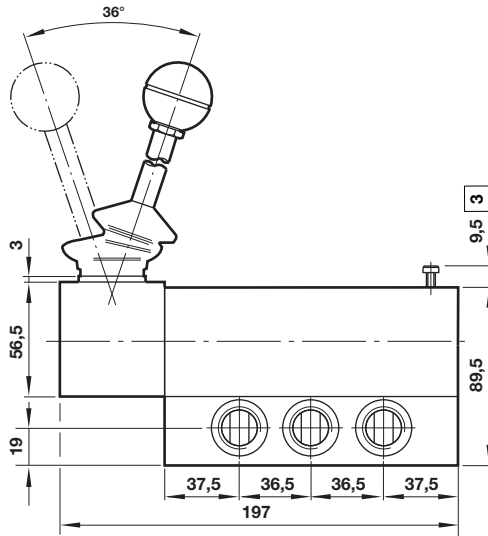
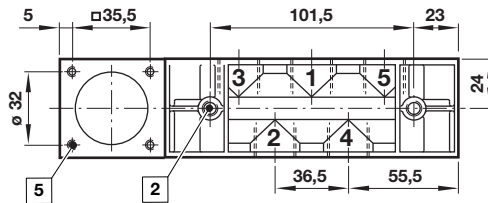
Dimensions in mm
Projection/First angle



1

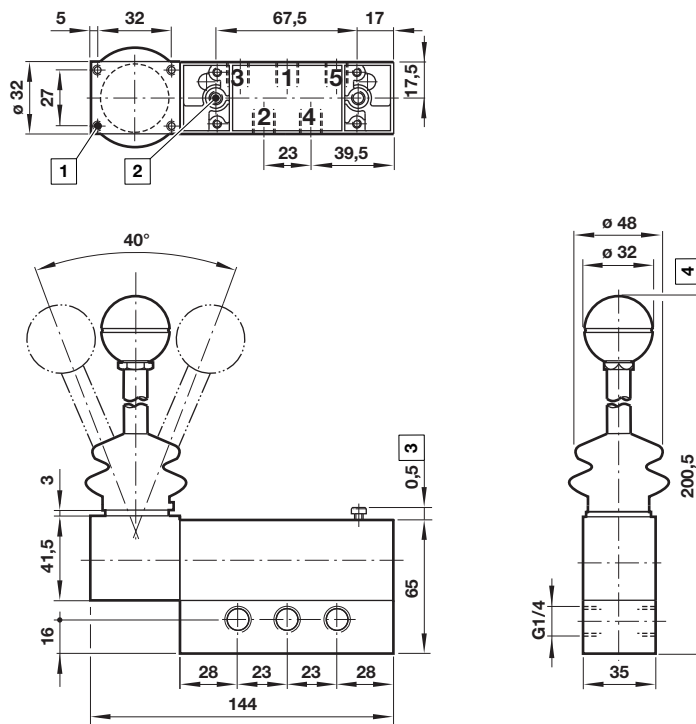
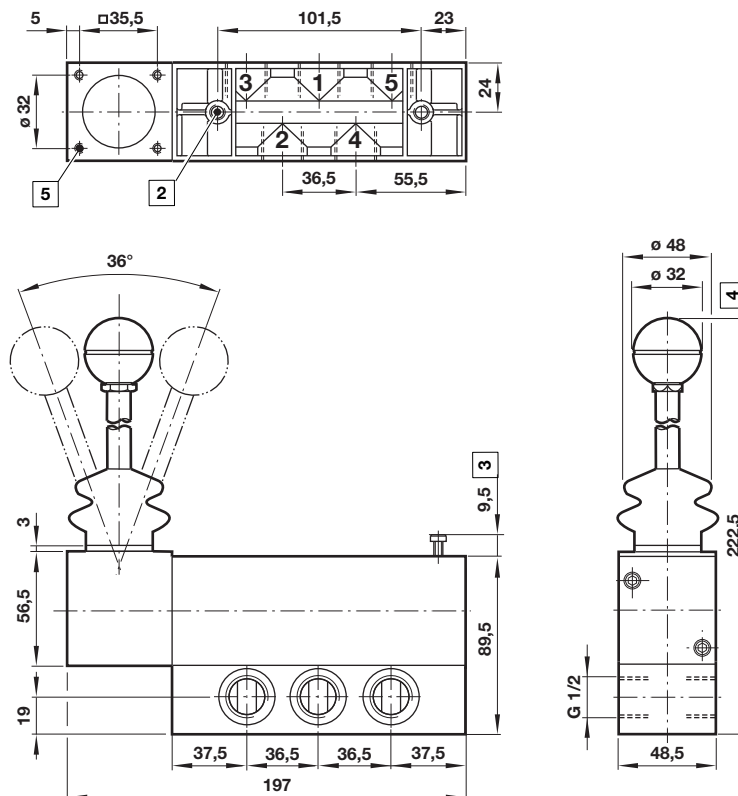


2



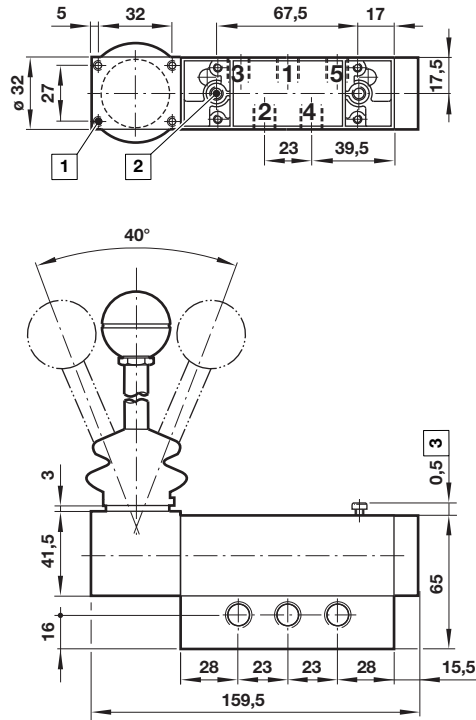
- 1 M4 - 7 mm deep
- 2 M6 through sub-base (M1702)
M8 through sub-base (M/1704)
- 3 Minimum
- 4 Maximum
- 5 M5 - 10 mm deep

Dimensions in mm
Projection/First angle

3

4


- 1 M4 - 7 mm deep
- 2 M6 through sub-base (M1702)
M8 through sub-base (M/1704)
- 3 Minimum
- 4 Maximum
- 5 M5 - 10 mm deep

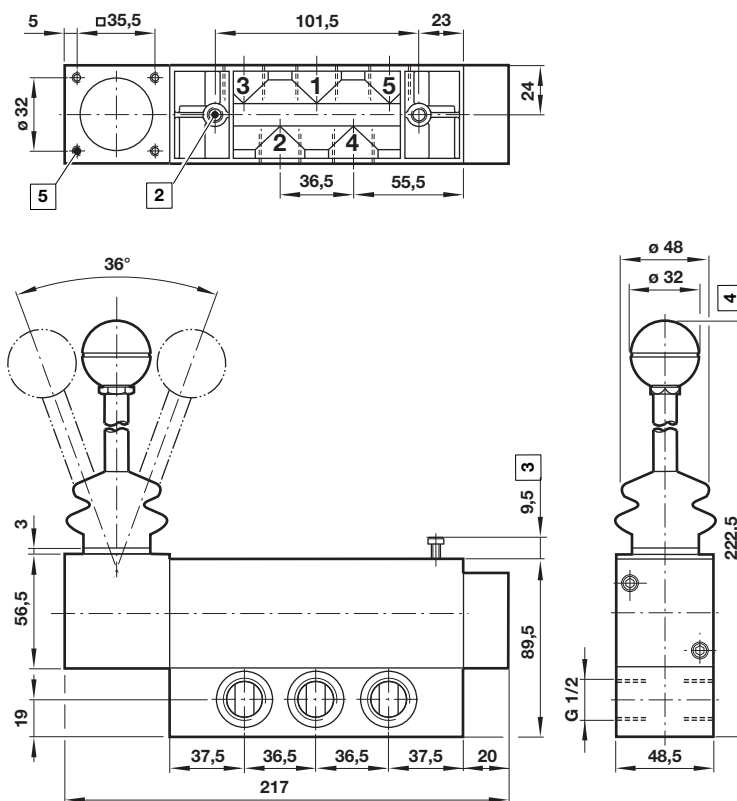
5



Dimensions in mm
Projection/First angle



6



- 1 M4 - 7 mm deep
- 2 M6 through sub-base (M1702)
M8 through sub-base (M1704)
- 3 Minimum
- 4 Maximum
- 5 M5 - 10 mm deep

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 NORGREN.

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.