

# 40200, 40300, 3/2 & 5/2 Pilot actuated In-line valves,

- Port size: G1/4, G1/2
- High flow rate at small size
- Proven sealing system, maintenance-free
- Also suited for coarse vacuum, except types 4021330, 4022030, 4031330 & 4032030



## Technical features

**Medium:**  
Compressed air, filtered lubricated or non lubricated

**Operation:**  
Pneumatically controlled soft seal spool valve

**Mounting position:**  
Optional

**Connection:**  
G 1/4 & G 1/2

**Operating pressure:**  
16 bar (232 psi) max  
Details see table below

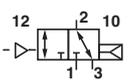
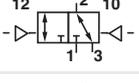
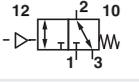
**Flow direction:**  
Optional

**Flow:**  
see table below

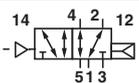
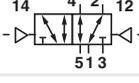
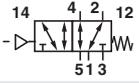
**Ambient/Media temperature:**  
-10 ... +60°C (+14 ... +140°F)  
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)  
If installed in the open protect all connections against the penetration of moisture!

**Materials:**  
Housing: Aluminium  
Seals: NBR

## 3/2 directional control valves, pilot actuated

| Symbol  | Port size | Actuation/return | Flow (l/min) | Operating pressure (bar) | Pilot pressure (bar) | Weight (kg) | Drawing No. | Model       |
|---|-----------|------------------|--------------|--------------------------|----------------------|-------------|-------------|-------------|
|  | G1/4      | Air/Air spring   | 1200         | 1 ... 16                 | 1,5 ... 16 *1)       | 0,28        | 1           | 4021330 *2) |
|   | G1/2      | Air/Air spring   | 3000         | 1,5 ... 16               | 1,5 ... 16 *1)       | 0,55        | 1           | 4022030 *2) |
|  | G1/4      | Air/Air          | 1200         | 0 ... 16                 | 1,5 ... 16           | 0,28        | 2           | 4021430 *3) |
|   | G1/2      | Air/Air          | 3000         | 0 ... 16                 | 1,5 ... 16           | 0,56        | 2           | 4022130 *3) |
|  | G1/4      | Air/Spring       | 1200         | 0 ... 16                 | 2,5 ... 16           | 0,28        | 3           | 4021331 *3) |
|   | G1/2      | Air/Spring       | 3000         | 0 ... 16                 | 2,5 ... 16           | 0,56        | 3           | 4022031 *3) |

## 5/2 directional control valves, pilot actuated

| Symbol  | Port size | Actuation/return | Flow (l/min) | Operating pressure (bar) | Pilot pressure (bar) | Weight (kg) | Drawing No. | Model       |
|---|-----------|------------------|--------------|--------------------------|----------------------|-------------|-------------|-------------|
|  | G1/4      | Air/Air spring   | 1200         | 1 ... 16                 | 1,5 ... 16 *1)       | 0,36        | 4           | 4031330 *3) |
|   | G1/2      | Air/Air spring   | 3000         | 2 ... 16                 | 1,5 ... 16 *1)       | 0,63        | 4           | 4032030 *4) |
|  | G1/4      | Air/Air          | 1200         | 0 ... 16                 | 1,5 ... 16           | 0,49        | 5           | 4031430 *4) |
|   | G1/2      | Air/Air          | 3000         | 0 ... 16                 | 1,5 ... 16           | 0,76        | 5           | 4032130 *4) |
|  | G1/4      | Air/Spring       | 1200         | 0 ... 16                 | 2,5 ... 16           | 0,49        | 6           | 4031331 *4) |
|   | G1/2      | Air/Spring       | 3000         | 0 ... 16                 | 2,5 ... 16           | 0,76        | 6           | 4032031 *4) |

\*1) Control pressure must be  $\geq$  operating pressure, however at least 1,5 bar

\*2) Port 3 not throttleable

\*3) Port 3 throttleable

\*4) Port 3 and 5 throttleable

### Option selector

40★★★★★

| Function | Substitute |
|----------|------------|
| 3/2 way  | 2          |
| 5/2 way  | 3          |

| Port size - Actuation/return | Substitute |
|------------------------------|------------|
| G1/4 - Air/Air spring        | 1330       |
| G1/2 - Air/Air spring        | 2030       |
| G1/4 - Air/Air               | 1430       |
| G1/2 - Air/Air               | 2130       |
| G1/4 - Air/Air spring        | 1331       |
| G1/2 - Air/Air spring        | 2031       |

### Accessories

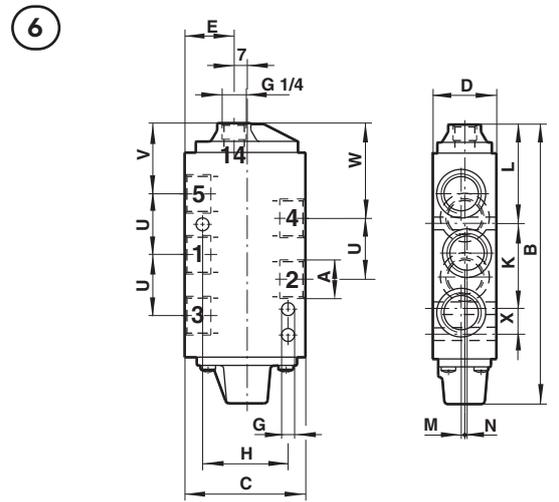
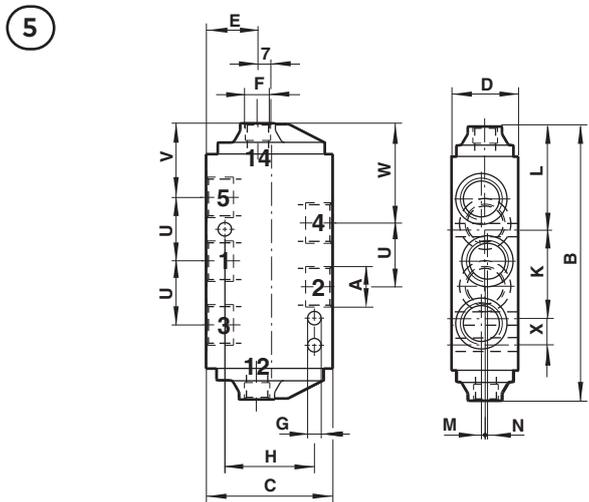
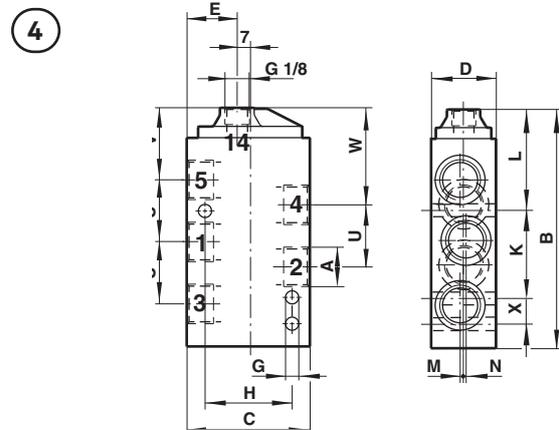
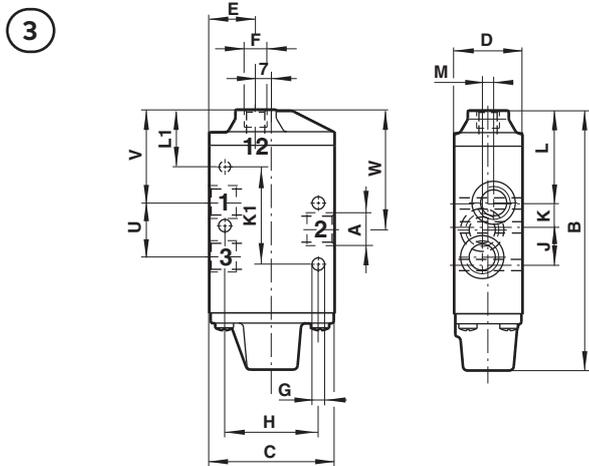
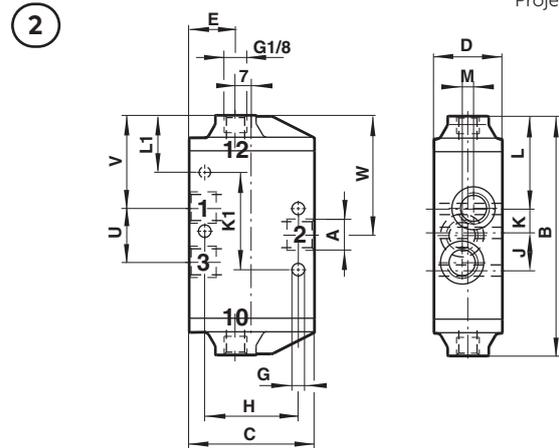
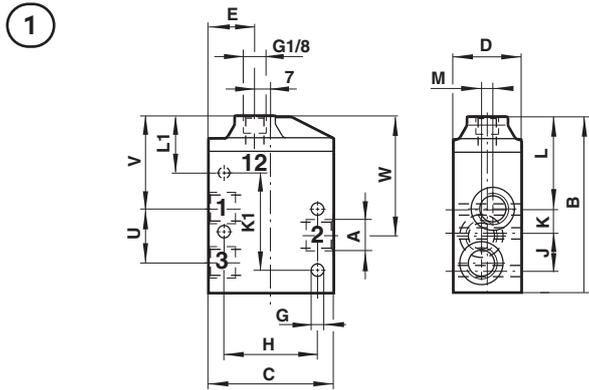
| Silencer *1)  | Exhaust guard *2)   |
|---|---|
|  |  |
| Page 4  | Page 4  |
| M/S2 (G1/4)   | 0613422 (G1/4)  |
| M/S4 (G1/2)   | 0613423 (G1/2)  |

\*1) For indoors use only

\*2) For outdoors use, opening pressure ~ 0,2 bar

### Dimensions

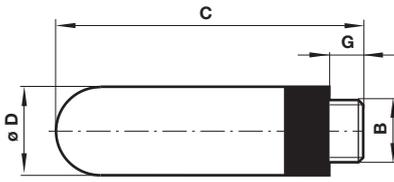
Dimensions in mm  
Projection/First angle



| No. | A    | B   | C  | D  | E    | F    | øG  | H  | J  | K  | K1 | L    | L1   | M   | N   | U  | V    | W    | X  | Model   |
|-----|------|-----|----|----|------|------|-----|----|----|----|----|------|------|-----|-----|----|------|------|----|---------|
| 1   | G1/4 | 75  | 55 | 30 | 20,5 | —    | 5,5 | 41 | 17 | 10 | —  | 40,5 | —    | 5   | —   | 24 | 40   | 52   | —  | 4021300 |
| 1   | G1/2 | 103 | 65 | 35 | 25,5 | —    | 7   | 46 | —  | —  | 46 | —    | 25,5 | 2,4 | —   | 33 | 41   | 53   | —  | 4022030 |
| 2   | G1/4 | 106 | 55 | 30 | 20,5 | —    | 5,5 | 41 | 17 | 10 | —  | 41,5 | —    | 5   | —   | 24 | 41   | 53   | —  | 4021430 |
| 2   | G1/2 | 115 | 65 | 35 | 25,5 | —    | 7   | 46 | —  | —  | 46 | —    | 25,5 | 2,4 | —   | 33 | 41   | 55   | —  | 4022130 |
| 3   | G1/4 | 115 | 55 | 30 | 20,5 | G1/4 | 5,5 | 41 | 17 | 10 | —  | 41,5 | —    | 5   | —   | 24 | 41   | 53   | —  | 4021331 |
| 3   | G1/2 | 124 | 65 | 35 | 25,5 | G1/4 | 7   | 46 | —  | —  | 46 | —    | 25,5 | —   | —   | 33 | 41   | 55   | —  | 4022031 |
| 4   | G1/4 | 99  | 55 | 30 | 20,5 | —    | 7   | 40 | —  | 67 | —  | 27   | —    | 2,5 | 2,5 | 24 | 40   | 52   | —  | 4031330 |
| 4   | G1/2 | 131 | 65 | 35 | 25,5 | —    | 7   | 46 | —  | 46 | —  | 55   | —    | 2   | 1,2 | 33 | 38,5 | 51,5 | 14 | 4032030 |
| 5   | G1/4 | 134 | 55 | 30 | 20,5 | G1/8 | 7   | 40 | —  | 67 | —  | 30   | —    | 2,5 | 2,5 | 24 | 40   | 55   | —  | 4031430 |
| 5   | G1/2 | 143 | 65 | 35 | 25,5 | G1/8 | 7   | 46 | —  | 46 | —  | 55   | —    | 2   | 1,2 | 33 | 38,5 | 51,5 | 14 | 4032130 |
| 6   | G1/4 | 143 | 55 | 30 | 20,5 | —    | 7   | 40 | —  | 67 | —  | 30   | —    | 2,5 | 2,5 | 24 | 43   | 55   | —  | 4031331 |
| 6   | G1/2 | 152 | 65 | 35 | 25,5 | —    | 7   | 46 | —  | 46 | —  | 55   | —    | 2   | 1,2 | 33 | 38,5 | 51,5 | 14 | 4032031 |

### Silencer

Model: M/S2, M/S4

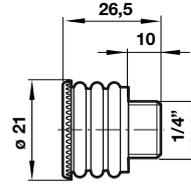


| B    | G  | C    | Ø D  | Weight (g) | Model |
|------|----|------|------|------------|-------|
| G1/4 | 7  | 35,5 | 15,5 | 2,9        | M/S2  |
| G1/2 | 12 | 67   | 23   | 11,5       | M/S4  |

### Exhaust guard

Model: 0613422, 0613423

Dimensions in mm  
Projection/First angle



| B    | Suitable for | G  | C    | Ø D | Weight (g) | Model   |
|------|--------------|----|------|-----|------------|---------|
| 1/4" | G1/4         | 10 | 26,5 | 21  | 5          | 0613422 |
| 1/2" | G1/2         | 12 | 33,5 | 29  | 11         | 0613423 |

### 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.

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.