

Accessories M5 ÷ G 1"

Series 600

Flow control valves

Quick exhaust valves

Exhaust flow control valves

Shuttle valves

Silencers

Check valves

Manifolds

Block valves

Gang mounting manifolds

Economizers



General

These accessories are a range of devices for completing a pneumatic circuit. These valves, with their special functions, are inserted between two valves, between a valve and a cylinder, or following a cylinder.

One of the particular characteristic of these accessories is that they are automatically actuated without the need for external commands. Usually, operation and idle are controlled by the presence or absence of pressure as, for example, in the case of quick exhaust valves which pilots itself as a selector, changing the flow direction as the signal goes off and on.

On the other hand, other components are inert. That is, they do not have any internal variable function which is sensitive to pressure. Among these components are silencers, manifolds and flow regulators.

There are also the flow regulators, which like electronic components, can be defined as variable resistences. They are fundamental in regulating the flow rate, provide precise timings and regulate the cylinders' speed.

The selector valves, with "AND" and "OR" functions, are logic functions components which often are an essential element. Furthermore, they are built to allow high flow rate which cannot be obtained by classic pneumatic logic.

The block valves lock the cylinder in a position, avoiding unexpected depressurization of the cylinder's chamber due to lack of compressed air at the inlet port. Practically, it is a piloted unidirectional valve that blocks the exhaust port when there is no air in the pilot circuit.

Finally the economizer valves are in fact a pressure reducer valves installed between valve and cylinder for reducing the air consumption. For example this is applicable on the cylinder return stroke without penalizing the exhaust as happens with FRL pressure regulator.

Construction characteristics

We have not listed all different materials used for the construction of these components because the list would be too the long. We use corrosion proof material, brass or anodized aluminium and the most appropriate specific mixture for seals. If more information is required please contact our technical department.

Use and maintenance

In operation pay attention to the minimum and maximum criteria for temperature and pressure, and ensure good quality compressed air. In a dirty environment, protect the exhaust ports. In this case, maintenance is minimal and is necessary only if the air is particularly dirty. The components most subject to damage by the accumulation of dirt are flow regulators with fine regulation and silencers. As for regulators, follow the normal procedure for disassembling, washing with non-chemical cleaning agents and remounting. The silencers need only to be rinsed in petrol or solvent and blown dry with compressed air.

The number of requests for spare seals for flow regulators and shuttle valves are statistically irrelevant. More often, it is necessary to replace the lining of the quick exhaust because of the wear it undergoes due to the particular conditions of operating.

ATTENTION: for lubrication use class H hydraulic oils, for example Castrol MAGNA GC 32.



| | | | | | | |
|---|--|---------------|------------------------------------|--------------------------|--------------------------|----------------|
| Miniature flow control valve M5 Ø3 tube | | | | | | |
| Ordering code | | | | | | |
| 6.01.305.1.2 <i>Unidirectional</i> | | | | | | |
| 6.01.305.2.1 <i>Unidirectional</i> | | | | | | |
| 6.01.305.1.1 <i>Bidirectional</i> | | Weight gr. 14 | Operational characteristics | | | |
| | | Fluid | Max working pressure | Operating temperat. min. | Operating temperat. max. | Ø Orifice size |
| | | Filtered air | 10 bar | -5°C | +70°C | mm 2 |
| Miniature flow control valve M5 Ø3 tube, with adjustment knob | | | | | | |
| Ordering code | | | | | | |
| 6.01.305.1.2 P <i>Unidirectional</i> | | | | | | |
| 6.01.305.2.1P <i>Unidirectional</i> | | | | | | |
| 6.01.305.1.1P <i>Bidirectional</i> | | Weight gr. 16 | Operational characteristics | | | |
| | | Fluid | Max working pressure | Operating temperat. min. | Operating temperat. max. | Ø Orifice size |
| | | Filtered air | 10 bar | -5°C | +70°C | mm 2 |
| Miniature flow control valve M5 Ø3,17 | | | | | | |
| Ordering code | | | | | | |
| 6.01.315.1.2 <i>Unidirectional</i> | | | | | | |
| 6.01.315.2.1 <i>Unidirectional</i> | | | | | | |
| 6.01.315.1.1 <i>Bidirectional</i> | | Weight gr. 14 | Operational characteristics | | | |
| | | Fluid | Max working pressure | Operating temperat. min. | Operating temperat. max. | Ø Orifice size |
| | | Filtered air | 10 bar | -5°C | +70°C | mm 2 |
| Miniature flow control valve M5 Ø3,17 tube, with adjustment knob | | | | | | |
| Ordering code | | | | | | |
| 6.01.315.1.2 P <i>Unidirectional</i> | | | | | | |
| 6.01.315.2.1P <i>Unidirectional</i> | | | | | | |
| 6.01.315.1.1P <i>Bidirectional</i> | | Weight gr. 16 | Operational characteristics | | | |
| | | Fluid | Max working pressure | Operating temperat. min. | Operating temperat. max. | Ø Orifice size |
| | | Filtered air | 10 bar | -5°C | +70°C | mm 2 |

**Miniature flow control valve M5
Ø4 tube**

Ordering code

6.01.45.1.2 *Unidirectional*

6.01.45.2.1 *Unidirectional*

6.01.45.1.1 *Bidirectional*

Weight gr. 14

Operational characteristics

| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size |
|--------------|----------------------|----------------------------|----------------------------|----------------|
| Filtered air | 10 bar | -5°C | +70°C | mm 1,5 |

**Miniature flow control valve M5
Ø4 tube with adjustment knob**

Ordering code

6.01.45.1.2 P *Unidirectional*

6.01.45.2.1 P *Unidirectional*

6.01.45.1.1 P *Bidirectional*

Weight gr. 16

Operational characteristics

| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size |
|--------------|----------------------|----------------------------|----------------------------|----------------|
| Filtered air | 10 bar | -5°C | +70°C | mm 1,5 |

**Flow control valve M5
in line ports**

Ordering code

6.01.05 *Unidirectional*

6.01.05/2 *Bidirectional*

Weight gr. 48

Operational characteristics

| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size |
|--------------|----------------------|----------------------------|----------------------------|----------------|
| Filtered air | 10 bar | -5°C | +70°C | mm 2 |

**Flow control valve M5
port at 90°**

Ordering code

6.01.05.90 *Unidirectional*


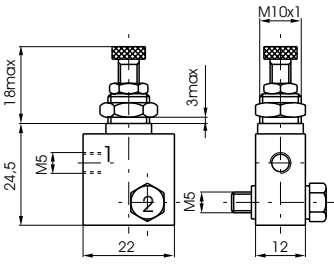
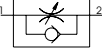
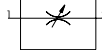

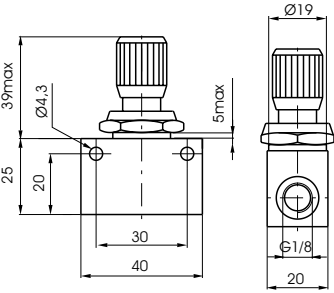
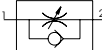
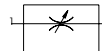

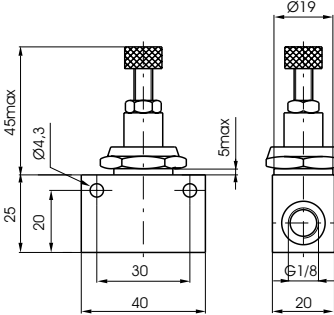
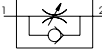
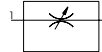

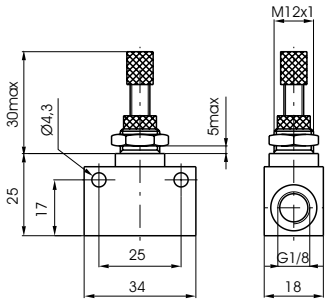
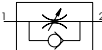
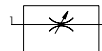
6.01.05.90/2 *Bidirectional*

Weight gr. 48

Operational characteristics

| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size |
|--------------|----------------------|----------------------------|----------------------------|----------------|
| Filtered air | 10 bar | -5°C | +70°C | mm 2 |

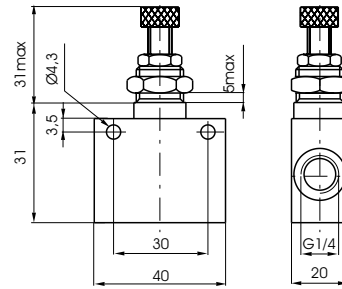
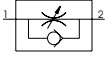


| <p>Flow control valve M5 with a through bolt</p> | |  | |  | | | | | | | | | | | |
|--|---|---|----------------------------|---|--|-------|----------------------|----------------------------|----------------------------|----------------|--------------|--------|------|-------|------|
| <p>Ordering code</p> | | | | | | | | | | | | | | | |
| <p>6.01.05.180 <i>Unidirectional</i></p> |  | <p>Weight gr. 52</p> | | | | | | | | | | | | | |
| <p>6.01.05.180/2 <i>Bidirectional</i></p> |  | | | | | | | | | | | | | | |
| <p>Operational characteristics</p> | | <table border="1"> <tr> <th>Fluid</th> <th>Max working pressure</th> <th>Operating temperature min.</th> <th>Operating temperature max.</th> <th>Ø Orifice size</th> </tr> <tr> <td>Filtered air</td> <td>10 bar</td> <td>-5°C</td> <td>+70°C</td> <td>mm 2</td> </tr> </table> | | | | Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size | Filtered air | 10 bar | -5°C | +70°C | mm 2 |
| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size | | | | | | | | | | | |
| Filtered air | 10 bar | -5°C | +70°C | mm 2 | | | | | | | | | | | |
| <p>Flow control valve G 1/8" ultrasensitive</p> | |  | |  | | | | | | | | | | | |
| <p>Ordering code</p> | | | | | | | | | | | | | | | |
| <p>6.01.18/4 <i>Unidirectional</i></p> |  | <p>Weight gr. 100</p> | | | | | | | | | | | | | |
| <p>6.01.18/5 <i>Bidirectional</i></p> |  | | | | | | | | | | | | | | |
| <p>Operational characteristics</p> | | <table border="1"> <tr> <th>Fluid</th> <th>Max working pressure</th> <th>Operating temperature min.</th> <th>Operating temperature max.</th> <th>Ø Orifice size</th> </tr> <tr> <td>Filtered air</td> <td>10 bar</td> <td>-5°C</td> <td>+70°C</td> <td>mm 3</td> </tr> </table> | | | | Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size | Filtered air | 10 bar | -5°C | +70°C | mm 3 |
| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size | | | | | | | | | | | |
| Filtered air | 10 bar | -5°C | +70°C | mm 3 | | | | | | | | | | | |
| <p>Flow control valve G 1/8" ultrasensitive with lock nut</p> | |  | |  | | | | | | | | | | | |
| <p>Ordering code</p> | | | | | | | | | | | | | | | |
| <p>6.01.18/6 <i>Unidirectional</i></p> |  | <p>Weight gr. 105</p> | | | | | | | | | | | | | |
| <p>6.01.18/7 <i>Bidirectional</i></p> |  | | | | | | | | | | | | | | |
| <p>Operational characteristics</p> | | <table border="1"> <tr> <th>Fluid</th> <th>Max working pressure</th> <th>Operating temperature min.</th> <th>Operating temperature max.</th> <th>Ø Orifice size</th> </tr> <tr> <td>Filtered air</td> <td>10 bar</td> <td>-5°C</td> <td>+70°C</td> <td>mm 3</td> </tr> </table> | | | | Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size | Filtered air | 10 bar | -5°C | +70°C | mm 3 |
| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size | | | | | | | | | | | |
| Filtered air | 10 bar | -5°C | +70°C | mm 3 | | | | | | | | | | | |
| <p>Flow control valve G 1/8"</p> | |  | |  | | | | | | | | | | | |
| <p>Ordering code</p> | | | | | | | | | | | | | | | |
| <p>6.01.18N <i>Unidirectional</i></p> |  | <p>Weight gr. 50</p> | | | | | | | | | | | | | |
| <p>6.01.18/1N <i>Bidirectional</i></p> |  | | | | | | | | | | | | | | |
| <p>Operational characteristics</p> | | <table border="1"> <tr> <th>Fluid</th> <th>Max working pressure</th> <th>Operating temperature min.</th> <th>Operating temperature max.</th> <th>Ø Orifice size</th> </tr> <tr> <td>Filtered air</td> <td>10 bar</td> <td>-5°C</td> <td>+70°C</td> <td>mm 4</td> </tr> </table> | | | | Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size | Filtered air | 10 bar | -5°C | +70°C | mm 4 |
| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size | | | | | | | | | | | |
| Filtered air | 10 bar | -5°C | +70°C | mm 4 | | | | | | | | | | | |

Flow control valve G 1/4" compact type

Ordering code

6.01.14/1 *Unidirectional*



Operational characteristics

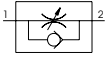
Weight gr. 100

| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size |
|--------------|----------------------|----------------------------|----------------------------|----------------|
| Filtered air | 10 bar | -5°C | +70°C | mm 5,5 |

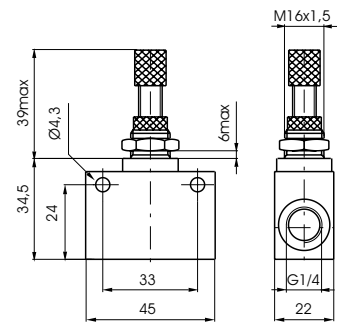
Flow control valve G 1/4"

Ordering code

6.01.14 N *Unidirectional*



6.01.14/1 N *Bidirectional*



Operational characteristics

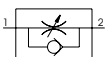
Weight gr. 105

| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size |
|--------------|----------------------|----------------------------|----------------------------|----------------|
| Filtered air | 10 bar | -5°C | +70°C | mm 7 |

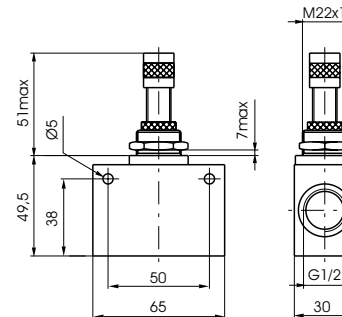
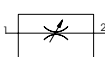
Flow control valve G 1/2"

Ordering code

6.01.12 N *Unidirectional*



6.01.12/1 N *Bidirectional*



Operational characteristics

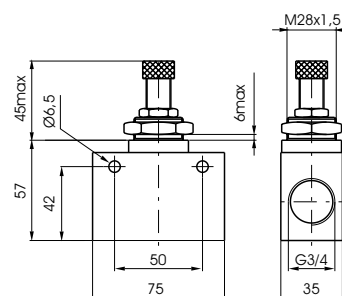
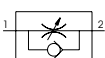
Weight gr. 505

| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size |
|--------------|----------------------|----------------------------|----------------------------|----------------|
| Filtered air | 10 bar | -5°C | +70°C | mm 12 |

Flow control valve G 3/4"

Ordering code

6.01.34 *Unidirectional*



Operational characteristics

Weight gr. 500

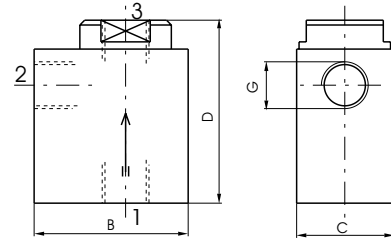
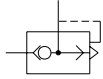
| Fluid | Max working pressure | Operating temperature min. | Operating temperature max. | Ø Orifice size |
|--------------|----------------------|----------------------------|----------------------------|----------------|
| Filtered air | 10 bar | -5°C | +70°C | mm 12 |



Quick exhaust valve
M5 - G 1/8" - G 1/4" - G 1/2"

Ordering code

- 6.02.05 (M5)
- 6.02.18 (G 1/8")
- 6.02.14 (G 1/4")
- 6.02.12 (G 1/2")



| G | M5 | 1/8" | 1/4" | 1/2" | |
|---|-------------|------|------|------|------|
| B | 22 | 32 | 35 | 52 | |
| C | 12 | 20 | 25 | 37 | |
| D | 28 | 38 | 50 | 62 | |
| Weight gr. | 50 | 62 | 112 | 310 | |
| Flow rate NI/min at 6 bar with $\Delta p = 1$ | from 1 to 2 | 120 | 480 | 960 | 3300 |
| Flow rate NI/min at 6 bar on free exhaust | from 2 to 3 | 220 | 1100 | 1930 | 6500 |

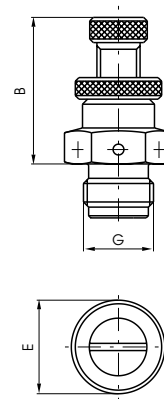
Operational characteristics

| Fluid | Max working pressure | Operating temperature | |
|--------------|----------------------|-----------------------|-------|
| | | min. | max. |
| Filtered air | 10 bar | -5°C | +70°C |

Exhaust flow control
M5 - G 1/8" - G 1/4" - G 1/2"

Ordering code

- 6.03.05 (M5)
- 6.03.18 (G 1/8")
- 6.03.14 (G 1/4")
- 6.03.12 (G 1/2")



| G | M5 | 1/8" | 1/4" | 1/2" |
|------------|----|------|------|------|
| B | 21 | 18 | 22 | 39 |
| E | 9 | 13 | 16 | 25 |
| Weight gr. | 10 | 18 | 32 | 155 |

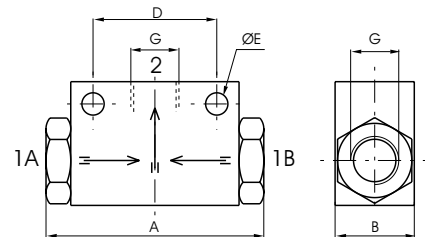
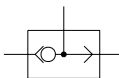
Operational characteristics

| Fluid | Max working pressure | Operating temperature | |
|--------------|----------------------|-----------------------|-------|
| | | min. | max. |
| Filtered air | 10 bar | -5°C | +70°C |

Shuttle valve "OR"
M5 - G 1/8" - G 1/4"

Ordering code

- 6.04.05 (M5)
- 6.04.18 (G 1/8")
- 6.04.14 (G 1/4")



| G | M5 | 1/8" | 1/4" | |
|--|---------|------|------|------|
| A | 27 | 44 | 62 | |
| B | 12 | 16 | 22 | |
| D | 15 | 25 | 35 | |
| E | 3,5 | 4,5 | 5,5 | |
| Weight gr. | 33 | 50 | 110 | |
| Flow rate at 6 bar with $\Delta p = 1$ | NI/min. | 110 | 700 | 2200 |

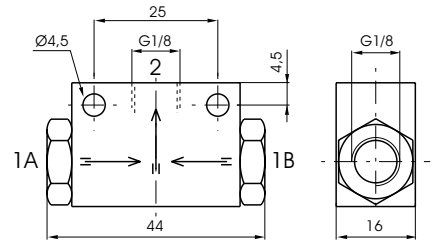
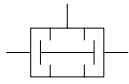
Operational characteristics

| Fluid | Max working pressure | Operating temperature | |
|--------------|----------------------|-----------------------|-------|
| | | min. | max. |
| Filtered air | 10 bar | -5°C | +70°C |

**Shuttle valve "AND"
G 1/8"**

Ordering code

6.04.18/1 (G 1/8")



Operational characteristics

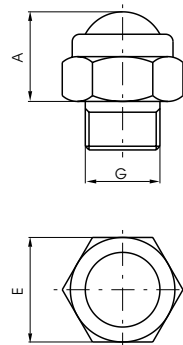
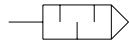
Weight gr.50

| Fluid | Max working pressure | Operating temperature | | Flow rate at 6 bar with $\Delta p = 1$ |
|--------------|----------------------|-----------------------|-------|--|
| | | min. | max. | |
| Filtered air | 10 bar | -5°C | +70°C | 480 NI/min. |

**Silencers steel wool
G 1/8" - G 1/4" - G 3/8" - G 1/2"**

Ordering code

- 6.05.18** (G 1/8")
- 6.05.14** (G 1/4")
- 6.05.38** (G 3/8")
- 6.05.12** (G 1/2")



Operational characteristics

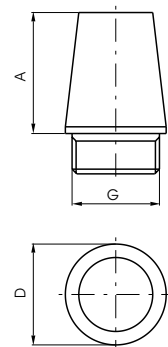
| Fluid | Max working pressure | Operating temperature | |
|--------------|----------------------|-----------------------|-------|
| | | min. | max. |
| Filtered air | 10 bar | -5°C | +70°C |

| G | 1/8" | 1/4" | 3/8" | 1/2" |
|------------|------|------|------|------|
| A | 12 | 13 | 15 | 17 |
| E | 14 | 17 | 22 | 27 |
| Weight gr. | 8 | 16 | 32 | 44 |

**Silencers brass
M5 - G 1/8" - G 1/4" - G 3/8"
G 1/2" - G 3/4" - G 1"**

Ordering code

- 6.06.05** (M5)
- 6.06.18** (G 1/8")
- 6.06.14** (G 1/4")
- 6.06.38** (G 3/8")
- 6.06.12** (G 1/2")
- 6.06.34** (G 3/4")
- 6.06.01** (G 1")



Operational characteristics

| Fluid | Max working pressure | Operating temperature | |
|--------------|----------------------|-----------------------|-------|
| | | min. | max. |
| Filtered air | 10 bar | -5°C | +70°C |

| G | M5 | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" |
|------------|----|------|------|------|------|------|-----|
| A | 17 | 15 | 18 | 28 | 32 | 40 | 50 |
| D | 8 | 12 | 15 | 19 | 23 | 29 | 38 |
| Weight gr. | 4 | 8 | 15 | 35 | 50 | 92 | 182 |



Check valves

M5 - G 1/8" - G 1/4" - G 3/8" - G 1/2"

Ordering code

NBR poppet

6.07.05 (M5)

6.07.18 (G 1/8")

6.07.14 (G 1/4")

6.07.38 (G 3/8")

6.07.12 (G 1/2")

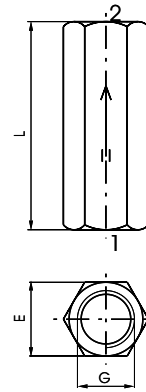
VITON poppet

6.07.18V (G 1/8")

6.07.14V (G 1/4")

6.07.38V (G 3/8")

6.07.12V (G 1/2")



Operational characteristics

| Fluid | Max working pressure | Operating temperature | |
|--------------|----------------------|-----------------------|--------------------------|
| | | min. | max. |
| Filtered air | 10 bar | -5°C | +70°C (+ 200°C Viton) |

Flow rate at 6 bar with $\Delta p = 1$

| G | M5 | 1/8" | 1/4" | 3/8" | 1/2" |
|------------|-----|------|------|------|------|
| E | 10 | 14 | 17 | 21 | 25 |
| L | 21 | 37 | 48 | 50 | 60 |
| Weight gr. | 14 | 35 | 60 | 85 | 136 |
| NI/min. | 160 | 650 | 1150 | 2600 | 3500 |

Manifold 4 ports
M5 - G 1/8" - G 1/4"
G 3/8" - G 1/2"

Ordering code

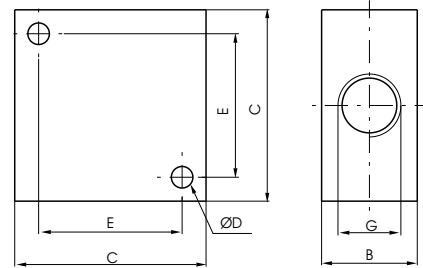
6.08.05/4 (M5)

6.08.18/4 (G 1/8")

6.08.14/4 (G 1/4")

6.08.38/4 (G 3/8")

6.08.12/4 (G 1/2")



Operational characteristics

| Fluid | Max working pressure | Operating temperature | |
|--------------|----------------------|-----------------------|-------|
| | | min. | max. |
| Filtered air | 10 bar | -5°C | +70°C |

| G | M5 | 1/8" | 1/4" | 3/8" | 1/2" |
|------------|-----|------|------|------|------|
| B | 10 | 16 | 20 | 20 | 30 |
| C | 20 | 32 | 40 | 40 | 50 |
| D | 3,3 | 4,5 | 5,5 | 5,5 | 6,5 |
| E | 14 | 22 | 30 | 30 | 38 |
| Weight gr. | 28 | 38 | 68 | 54 | 135 |

Manifold 10 ports
M5 - G 1/8" - G 1/4"
G 3/8" - G 1/2"

Ordering code

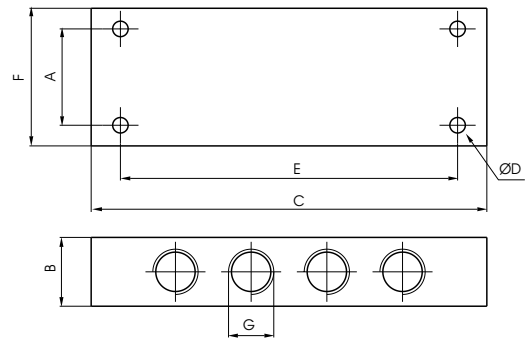
6.08.05/8 (M5)

6.08.18/8 (G 1/8")

6.08.14/8 (G 1/4")

6.08.38/8 (G 3/8")

6.08.12/8 (G 1/2")



Operational characteristics

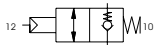
| Fluid | Max working pressure | Operating temperature | |
|--------------|----------------------|-----------------------|-------|
| | | min. | max. |
| Filtered air | 10 bar | -5°C | +70°C |

| G | M5 | 1/8" | 1/4" | 3/8" | 1/2" |
|------------|-----|------|------|------|------|
| A | 16 | 20 | 28 | 28 | 36 |
| B | 12 | 18 | 20 | 20 | 30 |
| C | 60 | 90 | 115 | 130 | 170 |
| D | 3,3 | 4,5 | 4,5 | 5,5 | 5,5 |
| E | 50 | 75 | 98 | 112 | 150 |
| F | 22 | 32 | 40 | 40 | 50 |
| Weight gr. | 92 | 110 | 185 | 165 | 460 |

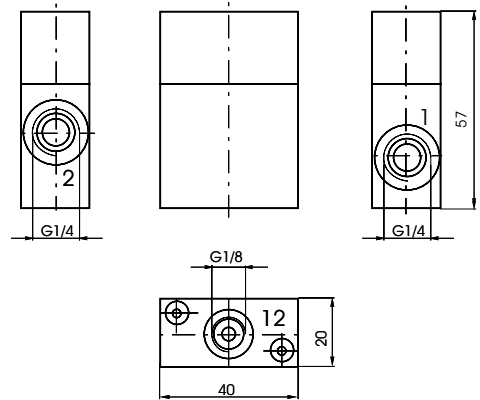
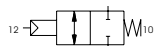
**Block valve
G 1/4"**

Ordering code

6.09.14.UN *Unidirectional*



6.09.14.BN *Bidirectional*



CONNECTIONS

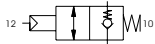
- 1 = VALVE
- 2 = CYLINDER
- 12 = PILOTING

Operational characteristics

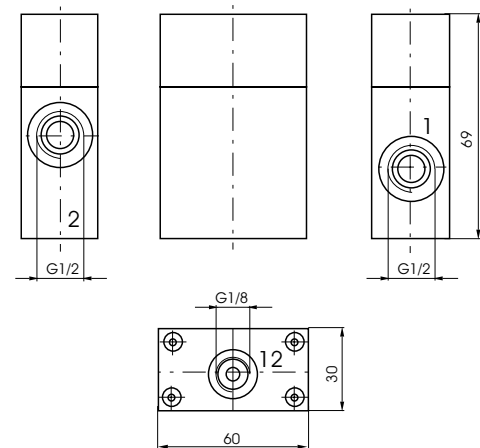
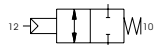
| Weight gr. 122 | Fluid | Max working pressure | Min. piloting pressure | Temperature | | Flow at 6 bar with $\Delta p = 1$ bar | Ø orifice size |
|----------------|-----------------------------|----------------------|------------------------|-------------|------------|---------------------------------------|----------------|
| | Filtered and lubricated air | 10 bar | 4 bar | min. -5°C | max. +70°C | | |
| | | | | | | 700 NI/min. | mm 7 |

**Block valve
G 1/2"**

6.09.12.UN *Unidirectional*



6.09.12.BN *Bidirectional*



CONNECTIONS

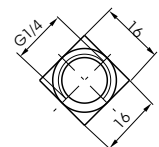
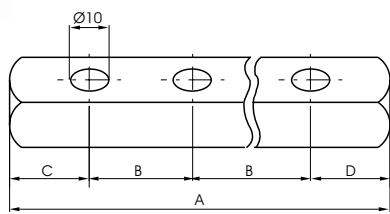
- 1 = VALVE
- 2 = CYLINDER
- 12 = PILOTING

Operational characteristics

| Weight gr. 305 | Fluid | Max working pressure | Min. piloting pressure | Temperature | | Flow at 6 bar with $\Delta p = 1$ bar | Ø orifice size |
|----------------|-----------------------------|----------------------|------------------------|-------------|------------|---------------------------------------|----------------|
| | Filtered and lubricated air | 10 bar | 4 bar | min. -5°C | max. +70°C | | |
| | | | | | | 2000 NI/min. | mm 12 |



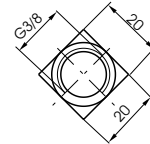
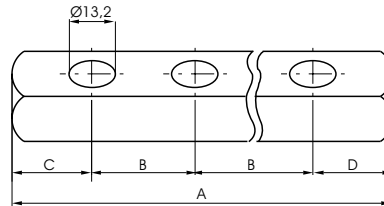
Gang mounting manifold for valves and solenoid valves G 1/8"



| Ordering code | * No. OF POSITION | | | | | | | | | |
|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| 6.10.18.18/* | A | 58 | 76 | 94 | 112 | 130 | 148 | 166 | 184 | 202 |
| | B | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| | C | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Weight gr. | 55 | 80 | 105 | 130 | 155 | 180 | 205 | 230 | 255 |
| 6.10.18.25/* | A | 70 | 95 | 120 | 145 | 170 | 195 | 220 | 245 | 270 |
| | B | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | C | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | D | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | Weight gr. | 80 | 115 | 150 | 185 | 220 | 255 | 290 | 325 | 360 |
| 6.10.18.26/* | A | 66 | 92 | 118 | 144 | 170 | 196 | 222 | 248 | 274 |
| | B | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| | C | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Weight gr. | 70 | 110 | 145 | 185 | 220 | 260 | 300 | 340 | 375 |
| 6.10.18.30/* | A | 80 | 110 | 140 | 170 | 200 | 230 | 260 | 290 | 320 |
| | B | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | C | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | D | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | Weight gr. | 100 | 140 | 180 | 220 | 260 | 300 | 340 | 380 | 420 |
| 6.10.18.32/* | A | 82 | 114 | 146 | 178 | 210 | 242 | 274 | 306 | 338 |
| | B | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| | C | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | D | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | Weight gr. | 100 | 145 | 190 | 235 | 280 | 325 | 370 | 415 | 460 |
| 6.10.18.35/* | A | 89 | 124 | 159 | 194 | 229 | 264 | 299 | 334 | 369 |
| | B | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| | C | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| | D | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| | Weight gr. | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 |

ATTENTION: the number before stroke indicates the max valve thickness

Gang mounting manifold for valves and solenoid valves G 1/4"



| Ordering code | | * No. OF POSITION | | | | | | | | |
|---------------|------------|-------------------|------|------|------|------|------|------|-------|------|
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 6.10.14.20/* | A | 65 | 85 | 105 | 125 | 145 | 165 | 185 | 22,55 | 225 |
| | B | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | C | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 |
| | D | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 | 22,5 |
| | Weight gr. | 130 | 150 | 190 | 190 | 210 | 230 | 250 | 270 | 290 |
| 6.10.14.25/* | A | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 |
| | B | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | C | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | D | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | Weight gr. | 140 | 170 | 200 | 230 | 260 | 290 | 320 | 350 | 380 |
| 6.10.14.30/* | A | 80 | 110 | 140 | 170 | 200 | 230 | 260 | 290 | 320 |
| | B | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | C | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | D | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | Weight gr. | 150 | 190 | 230 | 270 | 310 | 350 | 390 | 430 | 470 |
| 6.10.14.35/* | A | 85 | 120 | 155 | 190 | 225 | 260 | 295 | 335 | 365 |
| | B | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| | C | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | D | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Weight gr. | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 |
| 6.10.14.45/* | A | 115 | 160 | 205 | 250 | 295 | 340 | 385 | 430 | 365 |
| | B | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| | C | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| | D | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| | Weight gr. | 200 | 275 | 350 | 425 | 500 | 575 | 650 | 725 | 560 |

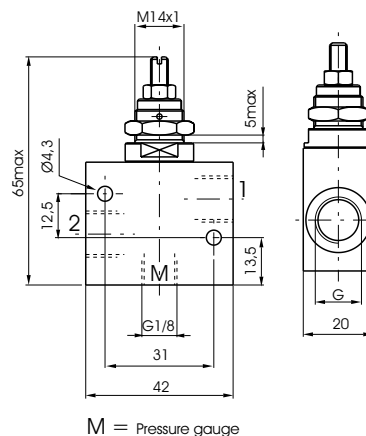
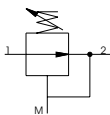
ATTENTION: the number before stroke indicates the max valve thickness



**Economizer
G 1/8" - G 1/4"**

Ordering code

- 6.11.18 Ports G 1/8"
- 6.11.14 Ports G 1/4"



Operational characteristics

Weight gr. 85

| Fluid | Max working pressure | Pressure range | Operating temperature | | Flow rate from port 2 to 1 with $\Delta p = 1$ bar | Ø Orifice size |
|--------------|----------------------|----------------|-----------------------|-------|--|----------------|
| | | | min. | max. | | |
| Filtered air | 10 bar | 0 - 5,5 bar | -5°C | +70°C | 860 NI/min. | mm 6 |