

# 3/2 WAY-PLASTIC-PILOT-VALVE

## TYPE 600/605



### Description

Direct solenoid actuated poppet valve, normally closed and normally open, direct and manifold mounting.

Solenoid valve for filtered, lubricated or non lubricated air, neutral gaseous and liquid fluids.

### Features

- Compact design
- Interchangeable solenoid system
- Plastic overmolded solenoid
- suited for coarse vacuum
- Exhaust port provided with silencer
- Standard manual override
- Current draw 5 W

### Type 600

Connections: Threaded socket 1/8" BSP.

Inlet and Outlet arranged at an angle of 90°.

Suitable for direct mounting on process valve, by hollow screw with 1/4" or 1/8" BSP thread.

### Type 605

Connections: threaded inlet G 1/4" outlet G 1/8".

Inlet and outlet arranged at an angle of 90°.

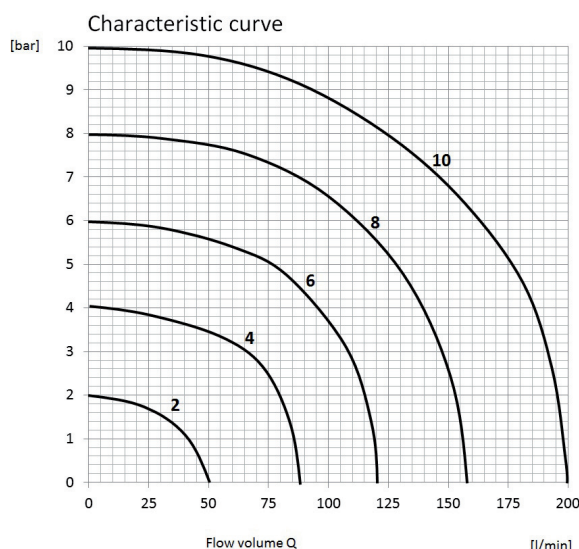
Suitable for manifold mounting. May also be used as a single valve.



### Technical data

|                    |                                         |
|--------------------|-----------------------------------------|
| Nominal size       | 1,6mm                                   |
| Line connection    | G 1/8"                                  |
| Operating pressure | 0 - 10 bar                              |
| Flow rate          | Qn 200 l/min                            |
| Voltages           |                                         |
| AC                 | 24V40-60 Hz, 110V40-60 Hz, 220V40-60 Hz |
| DC                 | 12V, 24V, 48V, 100V, 110V, 200V         |

|                               |              |
|-------------------------------|--------------|
| Switching time appr.          | On 14 ms     |
|                               | Out 9ms      |
| Current draw                  | 5W (6VA)     |
| Protection Class ICE/EN 60529 | IP 65        |
| Temperature range             | -10 to +60°C |
| Weight                        | 210g         |
| Body material                 | PBT          |



The diagram illustrates the flow rate for gases in normal litres per minute.

For examples:

inlet pressure 6 bar and pressure drop (  $\Delta p$  ) 2 bar.

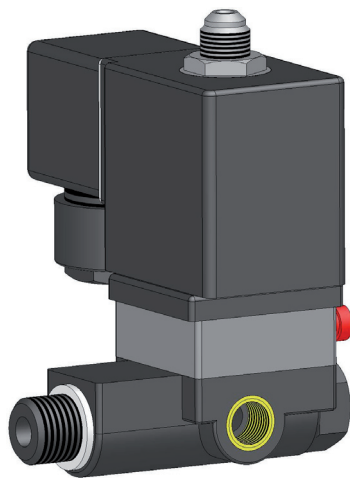
mark the point of intersection of the 6 bar curve and the horizontal line for 2 bar  $\Delta p$ .

Move vertically from this point to the bottom scale and read off the flow rate in NL per minute.

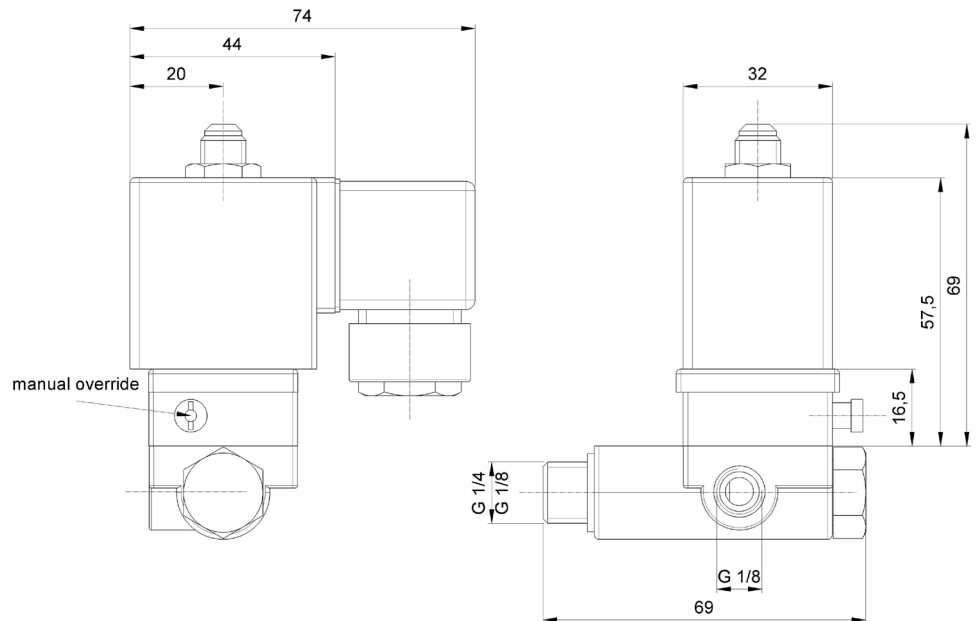
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Type 600



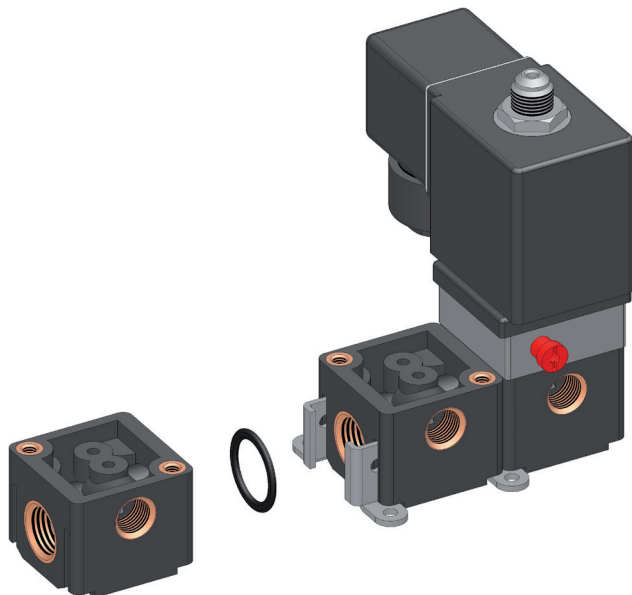
Dimensional drawing type 600



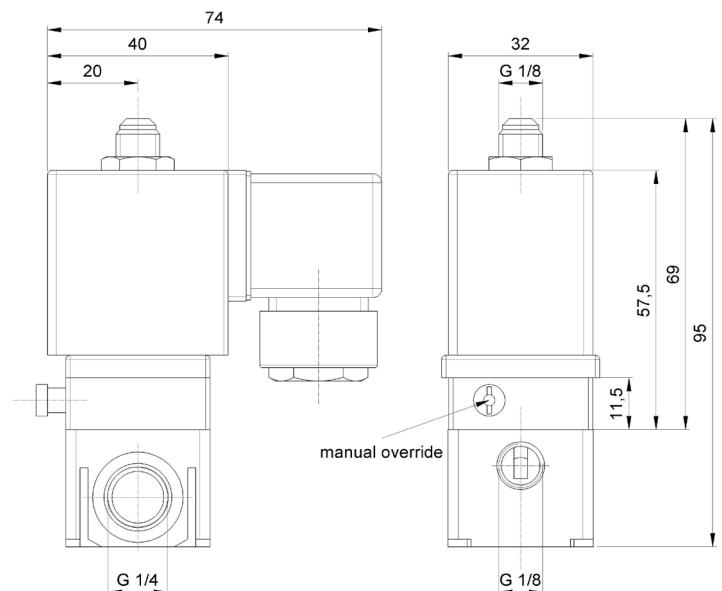
## Parameter

| Numb. | Designation            | Cat.-No.        |
|-------|------------------------|-----------------|
| 1     | Valve (without flange) | 00320.600.00    |
| 1     | Flange                 | 00107.600.501   |
| 1     | Hollow screw           | 00292.600.501   |
| 1     | Gasket                 | 00201.600.14.17 |

Type 605



Dimensional drawing type 605



## Parameter

| Numb. | Designation                            | Cat.-No.        |
|-------|----------------------------------------|-----------------|
| 1     | Solenoid Valve (without manifold base) | 00320.600.0     |
| 1     | Manifold base                          | 00107.605.516   |
| 2     | Maifold bracket                        | 00301.605.001   |
| 1     | O-Ring                                 | 00202.285.15.2  |
| 1*    | Threaded plug G 1/4                    | 00304.605.G 1/4 |

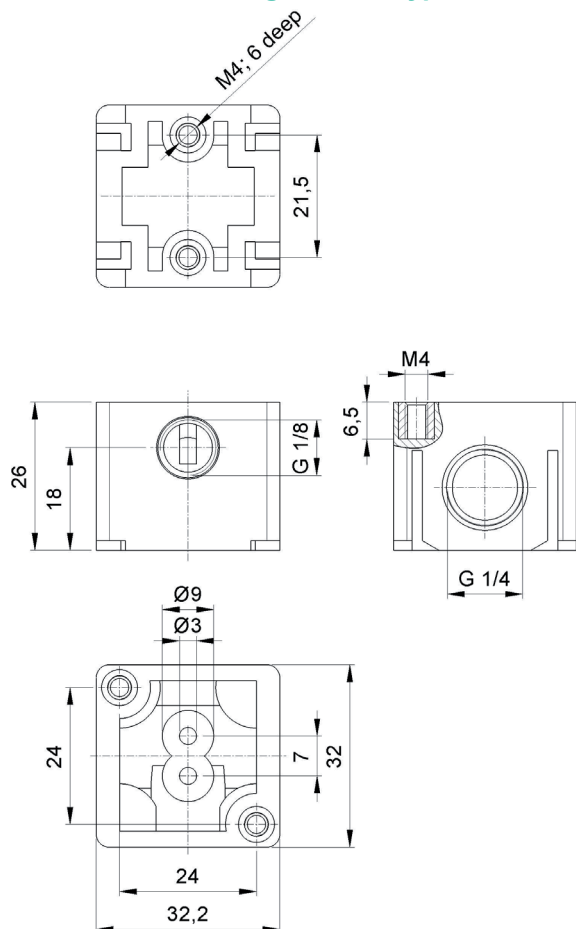
\*additional

## Mounting instructions

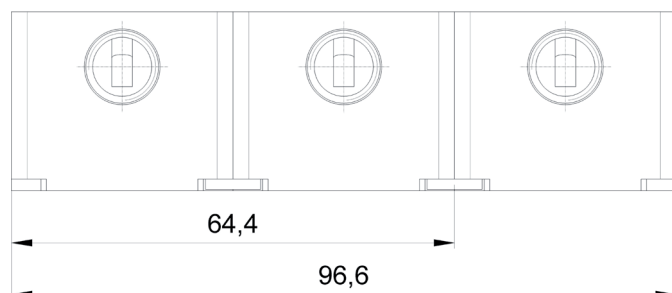
Manual override at connection side 2  
Bores and manifold brackets must not be used for the attachment of the manifold system.

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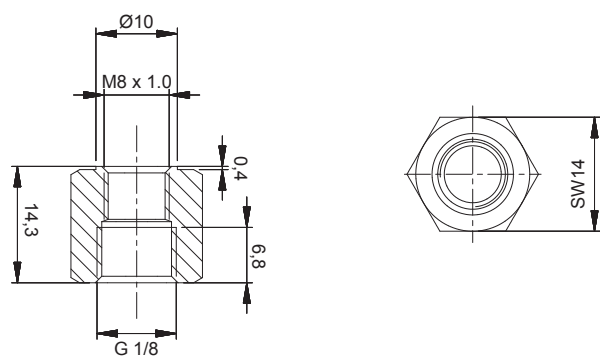
## Dimensional drawing base for type 605



## Dimensional drawing manifold base for type 605



## Dimensional drawing adapter for type 600/605



# 3/2 WAY-PLASTIC-PILOT-VALVE

## TYPE 600/605



### Ordering Key

|    | 1                         | 2  | 3  | 4  | 5   | 6 | 7  | 8 | 9    | 10  |
|----|---------------------------|----|----|----|-----|---|----|---|------|-----|
|    | 600/605                   | DN | 32 | 25 | 2/4 | 1 | 34 | 1 | 110A | A03 |
| 1  | Type                      |    |    |    |     |   |    |   |      |     |
| 2  | Diaphragm size            |    |    |    |     |   |    |   |      |     |
| 3  | Connections and Positions |    |    |    |     |   |    |   |      |     |
| 4  | Valve body material       |    |    |    |     |   |    |   |      |     |
| 5  | Material seat sealing     |    |    |    |     |   |    |   |      |     |
| 6  | Control Function          |    |    |    |     |   |    |   |      |     |
| 7  | Valve body connection     |    |    |    |     |   |    |   |      |     |
| 8  | Cable plug                |    |    |    |     |   |    |   |      |     |
| 9  | Voltage                   |    |    |    |     |   |    |   |      |     |
| 10 | Atex                      |    |    |    |     |   |    |   |      |     |

### Design Options

|    |                                                                                       |      |
|----|---------------------------------------------------------------------------------------|------|
| 2  | Suitable for Valve with diaphragm size                                                | Code |
|    |                                                                                       |      |
| 3  | Connections and Positions                                                             | Code |
|    | 3/2                                                                                   | 32   |
| 4  | Valve body material                                                                   | Code |
|    | IXEF                                                                                  | 25   |
| 5  | Material seat sealing                                                                 | Code |
|    | FPM                                                                                   | 2    |
|    | NBR / O-Ring FPM                                                                      | 4    |
| 6  | Control Function                                                                      | Code |
|    | Normally closed NC                                                                    | 1    |
| 7  | Valve body connection                                                                 | Code |
|    | Supply unit G1/8, User G1/4                                                           | 34   |
| 8  | Cable plug                                                                            | Code |
|    | Form A, DIN EN 175301-803                                                             | 1    |
| 9  | Voltage                                                                               | Code |
|    | 110V, AC                                                                              | 110A |
|    | 230V, AC                                                                              | 230A |
|    | 24V, AC                                                                               | 24A  |
|    | 24V, DC                                                                               | 24D  |
| 10 | Atex                                                                                  | Code |
|    | Type 600:<br>ATEX 2129 X II 2G EEx m II T4<br>(Material seat seal must always be FPM) | A03  |
|    | Type 605:<br>On request                                                               |      |