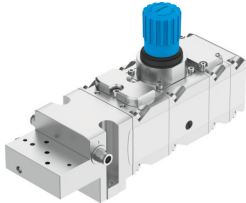


# Valve manifold VTOP-

Part number: 8141655

**FESTO**



## Data sheet

| Feature                                  | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating pressure                       | 0 MPa...0.9 MPa<br>0 bar...9 bar<br>0 psi...130.5 psi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Size                                     | 100 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Variants                                 | Manifold block for safety functions, HFT0 prepared for exhaust, VDI/VDE 3845<br>Manifold block for safety functions, HFT0 prepared for exhaust, VDI/VDE 3847<br>Manifold block for safety functions, HFT1 prepared for exhaust, VDI/VDE 3847<br>End plate, double-acting, active direction, can be switched<br>Filter regulator, pressure range 0.5 ... 12 bar, grade of filtration 40 µm<br>Filter regulator, pressure range 0.5 ... 12 bar, grade of filtration 5 µm<br>Module for reaching a specific end position in case of a pressure failure<br>Volume booster, double-acting<br>Volume booster, single-acting |
| Explosion prevention and protection      | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mounting position                        | Any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [:-7:-]<br>Inert gases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Information on operating and pilot media | Operation with oil lubrication not possible                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Vibration resistance                     | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Shock resistance                         | Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Note on shock resistance                 | With more than 3 modules, additional mounting requirements or reduced values are necessary<br>Valid for max. 3 modules + end plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Corrosion resistance class (CRC)         | 3 - High corrosion stress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| LABS (PWIS) conformity                   | VDMA24364 Zone III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type of mounting                         | With accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Pneumatic connection                     | Sub-base design, airing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Housing material                         | Smooth-anodized wrought aluminum alloy (20 µm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cover material                           | Smooth-anodized wrought aluminum alloy (20 µm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Material of screws                       | high-alloy stainless steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Feature                        | Value                |
|--------------------------------|----------------------|
| Material of spring             | Spring steel         |
| Seals material                 | EPDM<br>NBR          |
| Rotary knob material           | POM                  |
| Compressed air filter material | Protective grounding |
| Note on materials              | RoHS compliant       |