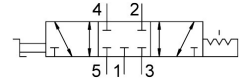


# Hand lever valve VHEF-H-B53C-G18

Part number: 8080945

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/3 closed                                                                                 |
| Type of actuation                                     | Manual                                                                                     |
| Construction width                                    | 20 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 700 l/min                                                                                  |
| pneumatic working port                                | G1/8                                                                                       |
| Operating pressure                                    | -0.095 MPa ... 1 MPa                                                                       |
| Operating pressure                                    | -0.95 bar ... 10 bar                                                                       |
| Design                                                | Piston gate valve                                                                          |
| Nominal size                                          | 5.2 mm                                                                                     |
| Exhaust-air function                                  | With flow control option                                                                   |
| Instructions on use                                   | Actuate manually only                                                                      |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | optional                                                                                   |
| Manual override                                       | Detenting                                                                                  |
| Type of piloting                                      | Direct                                                                                     |
| Flow direction                                        | Reversible                                                                                 |
| Symbol                                                | 00995888                                                                                   |
| lap                                                   | Overlap                                                                                    |
| Max. switching frequency                              | 0.5 Hz                                                                                     |
| Explosion protection                                  | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX)                         |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:-:-]                                                  |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                        | 1 - Low corrosion stress                                                                   |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L                                                                          |
| Media temperature                                     | -10 °C ... 60 °C                                                                           |
| Ambient temperature                                   | -10 °C ... 60 °C                                                                           |
| Actuating torque                                      | 0.7 Nm                                                                                     |
| Unlocking torque                                      | 0.6 Nm                                                                                     |
| Max. force on actuation                               | 200 N                                                                                      |
| Max. lateral force on actuation                       | 200 N                                                                                      |
| Product weight                                        | 265 g                                                                                      |

| Feature                      | Value                                                |
|------------------------------|------------------------------------------------------|
| Type of mounting             | Either:<br>Front panel mounting<br>With through-hole |
| Pneumatic connection, port 1 | G1/8                                                 |
| Pneumatic connection, port 2 | G1/8                                                 |
| Pneumatic connection, port 3 | G1/8                                                 |
| Pneumatic connection, port 4 | G1/8                                                 |
| Pneumatic connection, port 5 | G1/8                                                 |
| Note on materials            | RoHS-compliant                                       |
| Material cover               | PA-reinforced                                        |
| Material seals               | NBR                                                  |
| Material housing             | Anodised wrought aluminium alloy                     |
| Material lever               | PA-reinforced                                        |