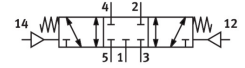


# Pneumatic valve VUWG-L18-P53C-G14

Part number: 574272

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/3 closed                                                                                 |
| Type of actuation                                     | Pneumatic                                                                                  |
| Valve size                                            | 18 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 1200 l/min                                                                                 |
| pneumatic working port                                | G1/4                                                                                       |
| Operating pressure                                    | -0.9 bar ... 10 bar                                                                        |
| Design                                                | Piston gate valve                                                                          |
| Type of reset                                         | Mechanical spring                                                                          |
| Grid dimension                                        | 19 mm                                                                                      |
| Exhaust-air function                                  | With flow control option                                                                   |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | optional                                                                                   |
| Manual override                                       | None                                                                                       |
| Type of piloting                                      | Direct                                                                                     |
| Flow direction                                        | Reversible                                                                                 |
| Symbol                                                | 00991018                                                                                   |
| lap                                                   | Overlap                                                                                    |
| Pilot pressure                                        | 3 bar ... 10 bar                                                                           |
| Suitability for vacuum                                | yes                                                                                        |
| Switching time off                                    | 69 ms                                                                                      |
| Switching time on                                     | 17 ms                                                                                      |
| Switching time reversal                               | 34 ms                                                                                      |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L                                                                          |
| Cleanroom class                                       | Class 5 according to ISO 14644-1                                                           |
| Media temperature                                     | -5 °C ... 50 °C                                                                            |
| Pilot medium                                          | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                                   | -5 °C ... 60 °C                                                                            |
| Product weight                                        | 152 g                                                                                      |
| Type of mounting                                      | Either:<br>On PR rail<br>With through-hole                                                 |
| Pilot air port 12                                     | M5                                                                                         |

| Feature                      | Value          |
|------------------------------|----------------|
| Pilot air port 14            | M5             |
| Pneumatic connection, port 1 | G1/4           |
| Pneumatic connection, port 2 | G1/4           |
| Pneumatic connection, port 3 | G1/4           |
| Pneumatic connection, port 4 | G1/4           |
| Pneumatic connection, port 5 | G1/4           |
| Note on materials            | RoHS-compliant |
| Material seals               | HNBR<br>NBR    |
| Material housing             | Anodised       |