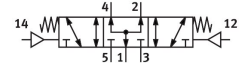


# Pneumatic valve VUWG-L18-P53U-G14

Part number: 574274

**FESTO**



## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                            | 5/3-way, pressurized                                               |
| Actuation type                                            | Pneumatic                                                          |
| Valve size                                                | 18 mm                                                              |
| Normal nominal flow rate (normalized to DIN 1343)         | 1000 l/min                                                         |
| Pneumatic working port                                    | G1/4                                                               |
| Operating pressure                                        | -0.9 bar...10 bar                                                  |
| Structural design                                         | Piston gate valve                                                  |
| Reset method                                              | Mechanical spring                                                  |
| Width dimension                                           | 19 mm                                                              |
| Exhaust air function                                      | Adjustable                                                         |
| Sealing principle                                         | Soft                                                               |
| Mounting position                                         | Any                                                                |
| Manual override                                           | None                                                               |
| Type of control                                           | directly                                                           |
| Flow direction                                            | Reversible                                                         |
| Lap                                                       | Indeterminate overlap                                              |
| Pilot pressure                                            | 3 bar...10 bar                                                     |
| Suitability for vacuum                                    | Yes                                                                |
| Switching time off                                        | 69 ms                                                              |
| On switching time                                         | 17 ms                                                              |
| Changeover time                                           | 34 ms                                                              |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media                  | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)                          | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L                                                  |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1                                   |
| Temperature of medium                                     | -5 °C...50 °C                                                      |
| Pilot medium                                              | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Ambient temperature                                       | -5 °C...60 °C                                                      |
| Product weight                                            | 152 g                                                              |
| Type of mounting                                          | Alternatively:<br>On PR manifold rail                              |

| Feature                | Value                |
|------------------------|----------------------|
|                        | With through-hole    |
| Pilot air port 12      | M5                   |
| Pilot air port 14      | M5                   |
| Pneumatic connection 1 | G1/4                 |
| Pneumatic connection 2 | G1/4                 |
| Pneumatic connection 3 | G1/4                 |
| Pneumatic connection 4 | G1/4                 |
| Pneumatic connection 5 | G1/4                 |
| Note on materials      | RoHS compliant       |
| Seals material         | HNBR<br>NBR          |
| Housing material       | Aluminum<br>Anodized |