

# Flat cylinder DZF-2"- -A-P-A

Part number: 162977

FESTO



## Data sheet

| Feature                                      | Value  |
|--|--|
| Stroke                                       | 0.04 in...13 in  |
| Piston diameter                              | 2"   |
| Piston rod thread                            | 5/8-18 UNF-2A  |
| Max. angle of rotation of the piston rod +/- | 0.5 deg  |
| Cushioning                                   | Elastic cushioning rings/pads at both ends                         |
| Mode of operation                            | Double-acting  |
| Protection against torsion/guide             | Oval piston  |
| Operating pressure                           | 0.1 MPa...1 MPa<br>1 bar...10 bar                                  |
| 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  |
| Ambient temperature                          | -20 °C...80 °C   |
| Impact energy in the end positions           | 0.47 ft-lbf  |
| Theoretical force at 6 bar, retracting       | 990 N  |
| Theoretical force at 6 bar, advancing        | 1178 N   |
| Moving mass at 0 mm stroke                   | 219 g  |
| Additional moving mass per 10 mm stroke      | 35 g   |
| Additional weight per 10 mm stroke           | 25 g   |
| Basic weight with 0 mm stroke                | 854 g  |
| Pneumatic connection                         | 1/4 NPT  |
| Cover material                               | Die-cast aluminum  |
| Seals material                               | NBR<br>TPE-U(PU)   |
| Housing material                             | Wrought aluminum alloy, anodized                                   |
| Piston seal material                         | NBR  |
| Piston rod material                          | High-alloy steel   |