

Feed separator HPV-14-20-A

Part number: 529351

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Stroke | 20 mm |
| Piston diameter | 14 mm |
| Max. interchangeability | 0.3 mm |
| Max. tappet play Sx | 0.05 mm |
| Max. tappet play Sz | 0.03 mm |
| Max. gripper jaw angular backlash | 0.12 deg |
| Max. gripper jaw angular backlash ay | 0.2 deg |
| Max. gripper jaw angular backlash az | 0.175 deg |
| External finger mounting | Through-hole |
| Cushioning | No cushioning |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Structural design | Piston rod Gate valve Anti-twist feature |
| Position sensing | Via proximity switch |
| Half pulse | 111.5 ms |
| Symbol | 00991914 |
| Protection against torsion/guide | Rectangular guide |
| Cycle time | 223 ms |
| Minimum product distance due to proximity switches | 54 mm ... 59 mm |
| Proximity switch protrusion | 14 mm ... 22 mm |
| Operating pressure | 3 bar ... 8 bar |
| Advancing time | 0.03 ms ... 0.07 ms |
| Retracting time | 0.03 ms ... 0.07 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-B2-L |
| Degree of protection | IP40 |
| Ambient temperature | 5 °C ... 60 °C |
| Max. tightening torque | 2.9 Nm for M4 5.9 Nm for M5 |
| Max. force on finger Fz static | 100 N |
| Max. static moment Mr at finger | 5 Nm |
| Max. static moment Mx at finger | 5 Nm |

| Feature | Value |
|--|---|
| Max. static moment at finger | 5 Nm |
| Theoretical force at 6 bar, retracting | 75 N |
| Theoretical force at 6 bar, advancing | 90 N |
| Product weight | 290 g |
| Max. mass per external gripper finger | 150 g |
| Alternative connections | M5 |
| Type of mounting | with through-hole for M4 screw and centering sleeve with internal thread M5 and centering sleeve |
| Pneumatic connection | M5 |
| Cover material | High-alloy steel |
| Seals material | NBR |
| Housing material | Wrought aluminum alloy, smooth-anodized |
| Piston rod material | High-alloy steel |
| Plunger material | High-alloy steel |
| Material gate valve | Case-hardened steel |