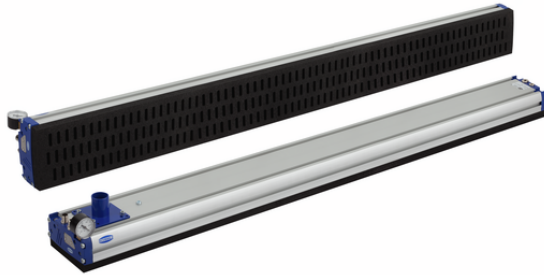


Art.-Nr.: 10.01.38.03435



FMP-S-SW70 1234 3R18 O20 G60

- Integrated control valves at FMP-S (optional)
- Control of vacuum on/off (24V DC, normally open) and blow off on/off (24V DC, normally closed), as well as hose accumulator preload and blower ventilation function with version FMP-S
- Integrated in the end cover
- Electrical connection: M12 plug (4-pole)

Available spare parts: sealing foam (DI-PL), suction cup (SPB2)

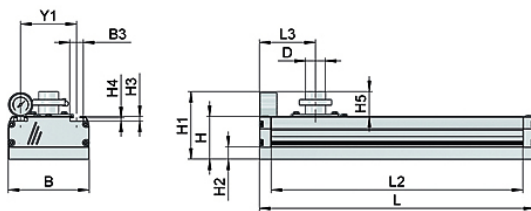
**Technical data**

| Attribute                        | Value                              |
|----------------------------------|------------------------------------|
| Construction vacuum switch       | PNP switching                      |
| Weight                           | 5.700 kg                           |
| Shape fittings                   | Straight                           |
| Max. air consumption blow-off    | 800.0 l/min                        |
| Material type                    | Schaum Offen, Höhe 20 mm           |
| Additional function area gripper | 1x control valve vacuum / blow-off |
| Length L                         | 1,234.00 mm                        |
| Width B                          | 130.00 mm                          |
| Outside diameter D               | 60.00 mm                           |
| Product family                   | FMP                                |

**Design data**

| Attribute          | Value       |
|--------------------|-------------|
| Length L2          | 1,194.00 mm |
| Length L           | 1,234.00 mm |
| Width B            | 130.00 mm   |
| Height H1          | 116.00 mm   |
| Height H2          | 20.00 mm    |
| Height H           | 70.00 mm    |
| Outside diameter D | 60.00 mm    |
| Length L3          | 77.00 mm    |
| Width B3           | 21.60 mm    |
| Height H3          | 7.70 mm     |

Note: Vacuum hose with internal diameter equal to dimension D required. See Technical Data -> Shape



Design data FMP-S-SW70 1234 3R18 O20 G60



Art.-Nr.: 10.01.38.03435

**Technical data**

| Attribute                                       | Value                              |
|-------------------------------------------------|------------------------------------|
| Weight                                          | 5.700 kg                           |
| Material type                                   | Schaum Offen, Höhe 20 mm           |
| Number of suction cells                         | 198                                |
| Additional function area gripper                | 1x control valve vacuum / blow-off |
| Required suction capacity for $p_u = -0.25$ bar | 900.0 l/min                        |
| Product family                                  | FMP                                |
| Arrangement                                     | 3R18                               |
| Voltage                                         | 24V - DC                           |
| Sealing element                                 | Sealing Foam                       |
| Suction force at -250 mbar                      | 1,310.00 N                         |

Note: Air consumption: At 5.5 bar compressed air input pressure / Suction force: At a vacuum of -0.25 bar and full occupancy of the gripper with a workpiece typical for the application (wooden board with textured surface) / Required suction capacity: The external vacuum generator used must provide at least the specified suction volume (at the vacuum connection piece of the FMP) at a vacuum of -0.25 bar, but max. 135 % of the specified suction volume

**Further documentation**

CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.38.03435](http://www.schmalz.com/10.01.38.03435)

**Discontinued item**

The product family will be discontinued and is available until **31.12.2027**  
Starting from this time, the article can no longer be ordered.  
alternative article



Art.-Nr.: 10.01.38.03435

**Ordering Data Accessories 10.01.38.03435**

| Typ                             |                                   | Item number    |
|---------------------------------|-----------------------------------|----------------|
| Cover (complex)                 | ABDK-PROF-10x7x1450-KU-SW-FXP-FMP | 26.07.03.00002 |
| Flange plate                    | FLAN-PL 120x85x10 ST FLGR         | 10.01.10.05701 |
| Flexolink                       | FLK G1/2-IG G1/2-AG               | 10.01.03.00175 |
| Suspension, flexible            | FST-FLEX 25 HD1 G1/2-AG G3/8-IG   | 10.01.10.05697 |
| Suspension, flexible            | FST-FLEX 25 HD2 G1/2-AG G3/8-IG   | 10.01.10.05695 |
| Suspension, flexible            | FST-FLEX 50 HD1 G1/2-AG G3/8-IG   | 10.01.10.05687 |
| Suspension, flexible            | FST-FLEX 50 HD2 G1/2-AG G3/8-IG   | 10.01.10.05168 |
| Suspension, flexible            | FST-FLEX 75 HD1 G1/2-AG G3/8-IG   | 10.01.10.05698 |
| Suspension, flexible            | FST-FLEX 75 HD2 G1/2-AG G3/8-IG   | 10.01.10.05696 |
| Suspension, rigid               | FST-STARR 25 HD1 G1/2-AG G3/8-IG  | 10.01.10.05810 |
| Suspension, rigid               | FST-STARR 25 HD2 G1/2-AG G3/8-IG  | 10.01.10.05806 |
| Suspension, rigid               | FST-STARR 50 HD1 G1/2-AG G3/8-IG  | 10.01.10.05809 |
| Suspension, rigid               | FST-STARR 50 HD2 G1/2-AG G3/8-IG  | 10.01.10.05805 |
| Suspension, rigid               | FST-STARR 75 HD1 G1/2-AG G3/8-IG  | 10.01.10.05808 |
| Suspension, rigid               | FST-STARR 75 HD2 G1/2-AG G3/8-IG  | 10.01.10.05803 |
| Flange module                   | MOD-FLAN 120x120 FXP-FMP          | 10.01.21.00244 |
| Mounting set reed switch        | SET fuer-Sensor(FXP/FMP)          | 10.01.38.01194 |
| Mounting set                    | SET FXC-FMC                       | 10.01.21.01291 |
| Mounting set                    | SET FXP-FMP                       | 10.01.21.02407 |
| Mounting set                    | SET FXP-FMP 4NUTSTEIN G20         | 10.01.21.00243 |
| Dust filter                     | STF 60 P 4.5 SSD                  | 10.07.01.00259 |
| Vacuum gauge                    | VAM 40 V U BAR                    | 10.07.02.00046 |
| Valve unit                      | VENT-EINH 8/6 NC 24V-DC           | 10.01.21.02405 |
| Vacuum hose (meter)             | VSL 71-60 PU-DS-AS TR             | 10.07.09.00034 |
| Vacuum switch (inst)            | VS-MONT 50x15.8x25 VS             | 10.06.02.00343 |
| Vacuum switch (inst)            | VS-MONT 76.5x19 VSi FXP-FMP       | 10.01.38.02485 |
| Vacuum distributor              | VTR-SL 3x RST60                   | 10.01.10.02779 |
| Connection cable                | ASK B-M12-5 5000 K-5P             | 21.04.05.00080 |
| Vacuum hose (meter)             | VSL 8-6 PU MI-TR                  | 10.07.09.00003 |
| Flange plate                    | FLAN-PL 120x120x10 FXC-FMC        | 10.01.21.00313 |
| Flexolink                       | FLK G1/2-IG G1/2-AG V             | 10.01.03.00207 |
| Hose connector, straight (inst) | SCHL-AN 60-79x79x45 FMP-S         | 10.01.38.03582 |
| Hose connector, bent (inst)     | SCHL-AN W 60-79x79x45 FMP-S       | 10.01.38.03983 |
| Sealing plate (inst)            | VRS-PL 79x79x12 SPZ G2-IG         | 10.01.21.01280 |

**Ordering Data Spare Parts 10.01.38.03435**

| Typ                           |                                 | Item number    |
|-------------------------------|---------------------------------|----------------|
| Building group Solenoid valve | VENT-BGR FMP-S-50               | 10.01.38.03682 |
| Masking foil (glued)          | MASK-FOL SW70 1194 3R18 FXP-FMP | 10.01.38.00505 |



Vacuum Area Gripper

## FMP-S-SW70 1234 3R18 O20 G60



Art.-Nr.: 10.01.38.03435



**Ordering Data Wear Parts 10.01.38.03435**

| Typ                               |                                    | Item number    |
|-----------------------------------|------------------------------------|----------------|
| Sealing plate (FXP/FMP/FA-X/FA-M) | DI-PL 1234x128 3R18 LL-20x7 O20 KE | 10.01.38.00193 |



[WWW.SCHMALZ.COM/10.01.38.03435](http://WWW.SCHMALZ.COM/10.01.38.03435)

**Contact Schmalz:** J. Schmalz GmbH, Johannes-Schmalz-Str. 1 • 72293 Glatten • +49 7443 2403-105 • [kundencenter@schmalz.de](mailto:kundencenter@schmalz.de)