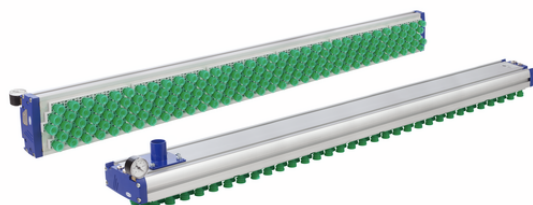


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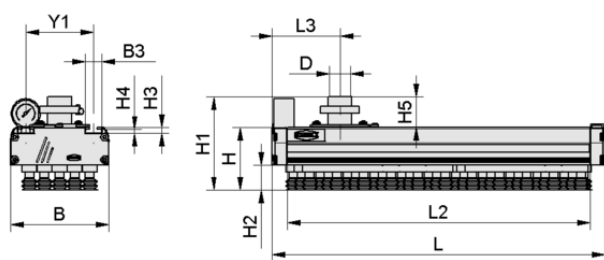
**Technical data**

| Attribute          | Value       |
|--------------------|-------------|
| Weight             | 6.000 kg    |
| Shape fittings     | Straight    |
| Length L           | 1,234.00 mm |
| Width B            | 130.00 mm   |
| Outside diameter D | 60.00 mm    |
| Product family     | FMP         |
| Arrangement        | 5R36        |

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- 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)

**Design data**

| Attribute          | Value       |
|--------------------|-------------|
| Length L2          | 1,194.00 mm |
| Length L           | 1,234.00 mm |
| Width B            | 130.00 mm   |
| Height H1          | 128.20 mm   |
| Height H2          | 33.00 mm    |
| Height H           | 82.70 mm    |
| Outside diameter D | 60.00 mm    |
| Length L3          | 90.00 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-SW90 1234 5R36 SPB2-20P G60



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**Technical data**

| Attribute                                       | Value        |
|-------------------------------------------------|--------------|
| Weight                                          | 6.000 kg     |
| Number of suction cells                         | 165          |
| Required suction capacity for $p_u = -0.25$ bar | 900.0 l/min  |
| Product family                                  | FMP          |
| Arrangement                                     | 5R36         |
| Sealing element                                 | Suction Cups |
| Suction force at -250 mbar                      | 420.00 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/10.01.38.00487](http://www.schmalz.com/10.01.38.00487)

**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



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**Ordering Data Accessories 10.01.38.00487**

| Typ                             |                                   | Item number    |
|---------------------------------|-----------------------------------|----------------|
| Cover (complex)                 | ABDK-PROF-10x7x1450-KU-SW-FXP-FMP | 26.07.03.00002 |
| Solenoid valve                  | EMVP 50 24V-DC 3/2 NO             | 10.05.02.00069 |
| 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 |
| 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, bent (inst)     | SCHL-AN W 60-79x79x45 FMP         | 10.01.38.00300 |
| Hose connector, straight (inst) | SCHL-AN 60-79x79x45 FMP           | 10.01.38.00301 |
| Sealing plate (inst)            | VRS-PL 79x79x12 SPZ G2-IG         | 10.01.21.01280 |

**Ordering Data Spare Parts 10.01.38.00487**

| Typ                  |                                 | Item number    |
|----------------------|---------------------------------|----------------|
| Masking foil (glued) | MASK-FOL SW90 1194 5R36 FXP-FMP | 10.01.38.00533 |



Area Gripper

## FMP-SW90 1234 5R36 SPB2-20P G60



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Ordering Data Wear Parts 10.01.38.00487

| Typ                         |                 | Item number    |
|-----------------------------|-----------------|----------------|
| Bellows suction cup (round) | SPB2 20 SI-40 P | 10.01.06.03125 |



[WWW.SCHMALZ.COM/10.01.38.00487](http://WWW.SCHMALZ.COM/10.01.38.00487)