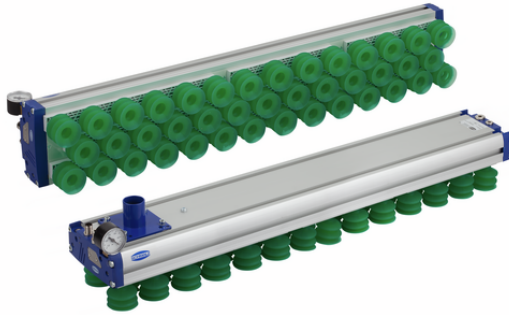


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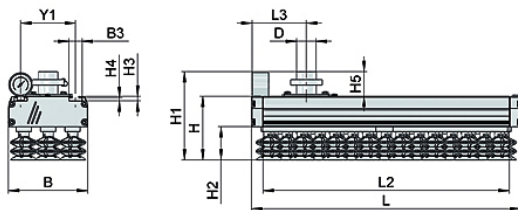
FMP-S-SW140 640 3R54 SPB2-40P G32

- 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                           | 4.400 kg                           |
| Shape fittings                   | Straight                           |
| Max. air consumption blow-off    | 800.0 l/min                        |
| Additional function area gripper | 1x control valve vacuum / blow-off |
| Length L                         | 640.00 mm                          |
| Width B                          | 130.00 mm                          |
| Outside diameter D               | 32.00 mm                           |
| Product family                   | FMP                                |
| Arrangement                      | 3R54                               |

**Design data**

| Attribute          | Value     |
|--------------------|-----------|
| Length L2          | 600.00 mm |
| Length L           | 640.00 mm |
| Width B            | 130.00 mm |
| Height H1          | 145.40 mm |
| Height H2          | 55.00 mm  |
| Height H           | 104.80 mm |
| Outside diameter D | 32.00 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-SW140 640 3R54 SPB2-40P G32



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**Technical data**

| Attribute                                       | Value                              |
|-------------------------------------------------|------------------------------------|
| Weight                                          | 4.400 kg                           |
| Number of suction cells                         | 33                                 |
| Additional function area gripper                | 1x control valve vacuum / blow-off |
| Required suction capacity for $p_u = -0.25$ bar | 450.0 l/min                        |
| Product family                                  | FMP                                |
| Arrangement                                     | 3R54                               |
| Voltage                                         | 24V - DC                           |
| Sealing element                                 | Suction Cups                       |
| Suction force at -250 mbar                      | 290.00 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/10.01.38.03480](http://www.schmalz.com/10.01.38.03480)

**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 10.01.38.03480**

| 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 G1-1/4-IG N                   | 10.01.25.07008 |
| 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 42-32 PU-DS-AS TR             | 10.07.09.00036 |
| 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 2xD32             | 10.01.43.00013 |
| 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 32-79x79x40 FMP-S         | 10.01.38.03581 |
| Hose connector, bent (inst)     | SCHL-AN W 32-79x79x29 FMP-S       | 10.01.38.04297 |
| Sealing plate (inst)            | VRS-PL 79x79x12 SPZ G2-IG         | 10.01.21.01280 |

**Ordering Data Spare Parts 10.01.38.03480**

| Typ                           |                                 | Item number    |
|-------------------------------|---------------------------------|----------------|
| Building group Solenoid valve | VENT-BGR FMP-S-32               | 10.01.38.03516 |
| Masking foil (glued)          | MASK-FOL SW140 600 3R54 FXP-FMP | 10.01.38.00539 |



Vacuum Area Gripper

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Ordering Data Wear Parts 10.01.38.03480

| Typ                         |                 | Item number    |
|-----------------------------|-----------------|----------------|
| Bellows suction cup (round) | SPB2 40 SI-55 P | 10.01.06.03126 |



[WWW.SCHMALZ.COM/10.01.38.03480](http://WWW.SCHMALZ.COM/10.01.38.03480)