

Art.-Nr.: 10.01.38.00451

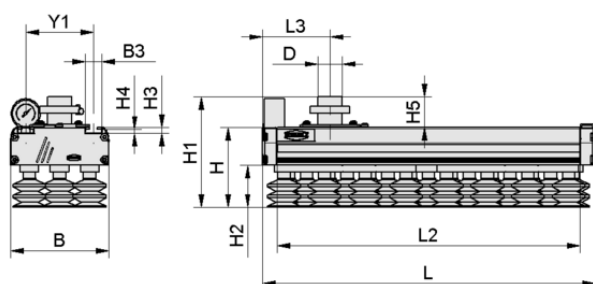
**Technical data**

Attribute	Value
Weight	2.700 kg
Shape fittings	Straight
Length L	442.00 mm
Width B	130.00 mm
Outside diameter D	32.00 mm
Product family	FMP
Arrangement	3R54

FMP-SW140 442 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)

Design data

Attribute	Value
Length L2	402.00 mm
Length L	442.00 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	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

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**Technical data**

Attribute	Value
Weight	2.700 kg
Number of suction cells	23
Required suction capacity for $p_u = -0.25$ bar	300.0 l/min
Product family	FMP
Arrangement	3R54
Sealing element	Suction Cups
Suction force at -250 mbar	200.00 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/10.01.38.00451



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**Ordering Data Accessories 10.01.38.00451**

Typ		Item number
Cover (complex)	ABDK-PROF-10x7x1450-KU-SW-FXP-FMP	26.07.03.00002
Solenoid valve	EMVP 25 24V-DC 3/2 NO/NC	10.05.02.00151
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
Hose connector, bent (inst)	SCHL-AN W 32-79x79x29 FMP	10.01.38.00299
Hose connector, straight (inst)	SCHL-AN 32-79x79x40 FMP	10.01.38.00298
Sealing plate (inst)	VRS-PL 79x79x12 SPZ G2-IG	10.01.21.01280

**Ordering Data Wear Parts 10.01.38.00451**

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

