

Vacuum Area Gripper

FMP-S-SW140 442 3R54 SPB2-40P F G32

Part no.:10.01.38.03485

<https://www.schmalz.com/10.01.38.03485>

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Vacuum area gripping system for external vacuum generator, with flow resistors



Length L: 442 mm

Width B: 130 mm

Arrangement: 3R54

Add. function: Filter

construction shape fittings: Straight

External diameter D: 32 mm

Add. function: 1x control valve vacuum/blow-off

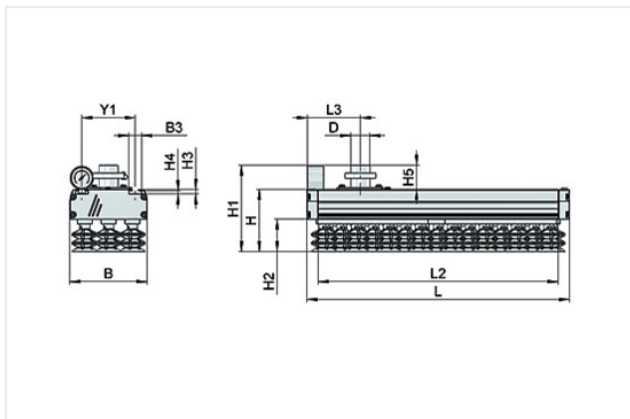
Max. air consumption blow off: 800 l/min

Construction shape vacuum switch: PNP switching

Weight: 3.4 kg

Product family: FMP

Design Data



Attribute	Value
B	130 mm
B3	21.60 mm
D	32 mm
H	104.80 mm
H1	145.40 mm
H2	55 mm
H3	7.70 mm
H4	5.50 mm
H5	41 mm
L	442 mm
L2	402 mm
L3	77 mm
Y1	90 mm
Valve type	SW

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

Technical Data

Attribute	Value
Arrangement	3R54

Contact Schmalz

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Number of suction cells	23
Suction force at -250 mbar	200 N
Add. function	Filter
Add. function	Filter
Add. function	1x control valve vacuum/blow-off
Weight	3.40 kg
Sealing element	Suction Cups
Evacuation rate for pu = -0,25 bar	300 l/min
Product family	FMP

For compressed air with 5.5 bar input pressure At -0.25 bar and with the gripper fully covered by a workpiece typical for the application (wooden board with structured surface) The external vacuum generator used must supply at least the specified suction flow (at the vacuum connection piece of the FMP) at -0.25 bar but max. 135 % of the specified suction flow

Accessories



ABDK-PROF-10x7x1450-KU-SW-FXP-FMP

Part no.:26.07.03.00002

Length L: 1,450 mm

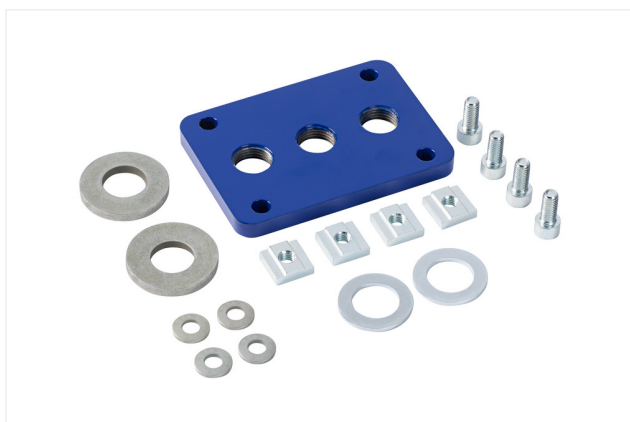
Width B: 10 mm

Height H: 7 mm

Material: Plastics

Measuring range: bar

Construction use: Vacuum area gripping system FXP-FMP



FLAN-PL 120x85x10 ST FLGR

Part no.:10.01.10.05701

Length L: 120 mm

Width B: 85 mm

Height H: 10 mm

Material: Steel

Construction use: Vacuum area gripping system

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FLK G1/2-IG G1/2-AG

Part no...:10.01.03.00175

Thread G1: G1/2"-F

Thread G2: G1/2"-M

Operating temperature: 0 ... 70 °C



FST-FLEX 25 HD1 G1/2-AG G3/8-IG

Part no...:10.01.10.05697

Spring stroke Z: 25 mm

Shape mounting elements: Heavy Duty 1 spring plunger

Construction use: Mounting section



FST-FLEX 25 HD2 G1/2-AG G3/8-IG

Part no...:10.01.10.05695

Spring stroke Z: 25 mm

Shape mounting elements: Heavy Duty 2 spring plunger

Construction use: Mounting section

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FST-FLEX 50 HD1 G1/2-AG G3/8-IG

Part no...:10.01.10.05687

Spring stroke Z: 50 mm

Shape mounting elements: Heavy Duty 1 spring plunger

Construction use: Mounting section



FST-FLEX 50 HD2 G1/2-AG G3/8-IG

Part no...:10.01.10.05168

Spring stroke Z: 50 mm

Shape mounting elements: Heavy Duty 2 spring plunger

Construction use: Mounting section



FST-FLEX 75 HD1 G1/2-AG G3/8-IG

Part no...:10.01.10.05698

Spring stroke Z: 75 mm

Shape mounting elements: Heavy Duty 1 spring plunger

Construction use: Mounting section

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FST-FLEX 75 HD2 G1/2-AG G3/8-IG

Part no...:10.01.10.05696

Spring stroke Z: 75 mm

Shape mounting elements: Heavy Duty 2 spring plunger

Construction use: Mounting section



FST-STARR 25 HD1 G1/2-AG G3/8-IG

Part no...:10.01.10.05810

Spring stroke Z: 25 mm

Shape mounting elements: Heavy Duty 1 spring plunger

Construction use: Mounting section



FST-STARR 25 HD2 G1/2-AG G3/8-IG

Part no...:10.01.10.05806

Spring stroke Z: 25 mm

Shape mounting elements: Heavy Duty 2 spring plunger

Construction use: Mounting section

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FST-STARR 50 HD1 G1/2-AG G3/8-IG

Part no...:10.01.10.05809

Spring stroke Z: 50 mm

Shape mounting elements: Heavy Duty 1 spring plunger

Construction use: Mounting section



FST-STARR 50 HD2 G1/2-AG G3/8-IG

Part no...:10.01.10.05805

Spring stroke Z: 50 mm

Shape mounting elements: Heavy Duty 2 spring plunger

Construction use: Mounting section



FST-STARR 75 HD1 G1/2-AG G3/8-IG

Part no...:10.01.10.05808

Spring stroke Z: 75 mm

Shape mounting elements: Heavy Duty 1 spring plunger

Construction use: Mounting section

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FST-STARR 75 HD2 G1/2-AG G3/8-IG

Part no...:10.01.10.05803

Spring stroke Z: 75 mm

Shape mounting elements: Heavy Duty 2 spring plunger

Construction use: Mounting section



MOD-FLAN 120x120 FXP-FMP

Part no...:10.01.21.00244

Length L: 120 mm

Width B: 120 mm

Height H: 60 mm

Weight: 1.1 kg

Measuring range: bar

Construction use: Vacuum area gripping system FXP-FMP



SET fuer-Sensor(FXP/FMP)

Part no...:10.01.38.01194

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SET FXC-FMC

Part no...:10.01.21.01291

Length L: 119 mm

Width B: 119 mm

Height H: 9.6 mm

Measuring range: bar

Construction use: Vacuum area gripping system FXC-FMC



SET FXP-FMP

Part no...:10.01.21.02407

Length L: 232 mm

Width B: 119 mm

Height H: 119 mm

Measuring range: bar

Construction use: Vacuum area gripping system FXP-FMP



SET FXP-FMP 4NUTSTEIN

Part no...:10.01.21.00243

contains: 4 slot nuts

Measuring range: bar

Construction use: Vacuum area gripping system FXP-FMP

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STF G1-1/4-IG N

Part no...:10.07.01.00008

Connection: G1-1/4"-F

Shape: Steel housing

Nominal flow rate: 96 m³/h

Filter pore size: 3 µm



VAM 40 V U BAR

Part no...:10.07.02.00046

External diameter D: 40 mm

Measuring range: -1,00 ... 0,00 bar



VENT-EINH 8/6 NC 24V-DC

Part no...:10.01.21.02405

Construction use: Vacuum area gripping system FXP-FMP

Connection: Hose 8/6

Control valve: Normally closed

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VSL 42-32 PU-DS-AS TR

Part no...:10.07.09.00036

External diameter D: 42 mm

Internal diameter d: 32 mm

Length max.: 20 m

Material hose: PU, wire spiral, antistatic

Bending radius min.: 25 mm

Pressure range (operating pressure): -1.00 ... 3.77 bar

Operating temperature: -40 ... 90 °C



VS-MONT 50x15.8x25 VS

Part no...:10.06.02.00343

Length L: 50 mm

Width B: 15.8 mm

Height H: 25 mm

Measuring range: bar

Construction use: Vacuum switch



VS-MONT 76.5x19 VSi FXP-FMP

Part no...:10.01.38.02485

Length L: 76.5 mm

Width B: 19 mm

Add. function: Vacuum and pressure switch VSi

Measuring range: bar

Add. function: Vacuum and pressure switch

Construction use: Vacuum area gripping system FXP-FMP

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VTR-SL 3x RST60 2xD32

Part no...:10.01.43.00013

Length L: 439 mm

Width B: 100 mm

Height H: 127.5 mm



ASK B-M12-5 5000 K-5P

Part no...:21.04.05.00080

Electrical connection: Fem connect M12, 5 pol

Cable length: 5,000 mm

Material hose: PUR cable



VSL 8-6 PU MI-TR

Part no...:10.07.09.00003

External diameter D: 8 mm

Internal diameter d: 6 mm

Length max.: 500 m

Material hose: PU

Bending radius min.: 45 mm

Pressure range (operating pressure): -0.95 ... 10.00 bar

Operating temperature: -35 ... 60 °C

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FLAN-PL 120x120x10 FXC-FMC

Part no...:10.01.21.00313

Length L: 120 mm

Width B: 120 mm

Height H: 10 mm

Measuring range: bar

Construction use: Vacuum area gripping system FXC-FMC



FLK G1/2-IG G1/2-AG V

Part no...:10.01.03.00207

Thread G1: G1/2"-F

Thread G2: G1/2"-M

Operating temperature: 0 ... 70 °C

Shape mounting elements: Reinforced

Spare parts



VENT-BGR FMP-S-32

Part no...:10.01.38.03516

Construction use: Vacuum area gripping system FMP-S

contains: Way-valve pneumatic

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MASK-FOL SW140 402 3R54 FXP-FMP

Part no...:10.01.38.00518

Length L: 402 mm

Width B: 109.8 mm

Height H: 0.4 mm

Arrangement suction cells: 3 rows, 54 mm

Measuring range: bar

Nozzle diameter: 1.4 mm

Construction use: Vacuum area gripping system FXP-FMP



SPB2 40 SI-55 P F

Part no...:10.01.38.00452

Add. function: Filter