

Vacuum Area Gripper

FMP-S-SW70 442 3R18 O20 G32

Part no...:10.01.38.03431

<https://www.schmalz.ru/10.01.38.03431>

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



Length L: 442 mm

Width B: 130 mm

Arrangement: 3R18

Material type: Foam O, Height 20 mm

construction shape fittings: Straight

External diameter D: 32 mm

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

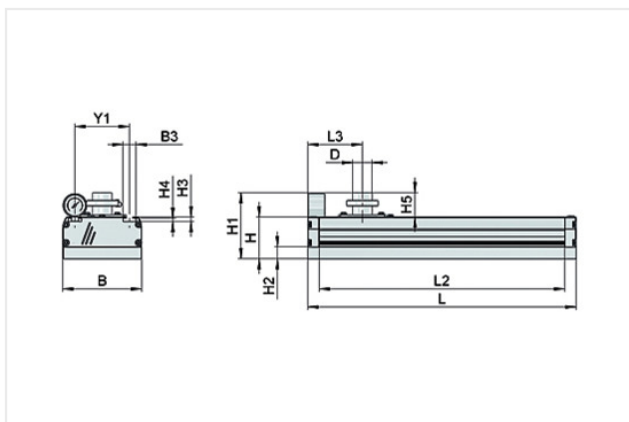
Max. air consumption blow off: 800 l/min

Construction shape vacuum switch: PNP switching

Weight: 2.8 kg

Product family: FMP

Design Data



Attribute	Value
B	130 mm
B3	21.60 mm
D	32 mm
H	70 mm
H1	111 mm
H2	20 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	3R18

Contact Schmalz

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Material type	Foam O, Height 20 mm
Number of suction cells	66
Suction force at -250 mbar	440 N
Add. function	1x control valve vacuum/blow-off
Weight	2.80 kg
Sealing element	Sealing Foam
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

Аксессуары



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

№ детали.:26.07.03.00002

Length L: 1,450 mm

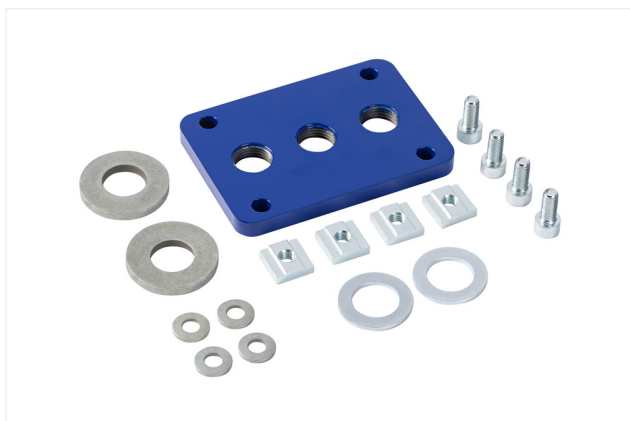
Width B: 10 mm

Height H: 7 mm

Material: Plastics

Measuring range: bar

Construction use: Vacuum area gripping system FXP-FMP



FLAN-PL 120x85x10 ST FLGR

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.: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)

№ детали.:10.01.38.01194

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SET FXC-FMC

№ детали.: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

№ детали.: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

№ детали.:10.01.21.00243

contains: 4 slot nuts

Measuring range: bar

Construction use: Vacuum area gripping system FXP-FMP

Vacuum Area Gripper

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STF G1-1/4-IG N

№ детали.: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

№ детали.:10.07.02.00046

External diameter D: 40 mm

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



VENT-EINH 8/6 NC 24V-DC

№ детали.:10.01.21.02405

Construction use: Vacuum area gripping system FXP-FMP

Connection: Hose 8/6

Control valve: Normally closed

Vacuum Area Gripper

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VSL 42-32 PU-DS-AS TR

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.:10.01.43.00013

Length L: 439 mm

Width B: 100 mm

Height H: 127.5 mm



ASK B-M12-5 5000 K-5P

№ детали.: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

№ детали.: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

№ детали.: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

№ детали.:10.01.03.00207

Thread G1: G1/2"-F

Thread G2: G1/2"-M

Operating temperature: 0 ... 70 °C

Shape mounting elements: Reinforced

Запасные части



VENT-BGR FMP-S-32

№ детали.:10.01.38.03516

Construction use: Vacuum area gripping system FMP-S

contains: Way-valve pneumatic

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MASK-FOL SW70 402 3R18 FXP-FMP

№ детали.:10.01.38.00502

Length L: 402 mm

Width B: 109.8 mm

Height H: 0.4 mm

Arrangement suction cells: 3 rows, 18 mm

Measuring range: bar

Nozzle diameter: 0.7 mm

Construction use: Vacuum area gripping system FXP-FMP



DI-PL 442x128 3R18 LL-20x7 O20 KE

№ детали.:10.01.38.00113

Length L: 442 mm

Width B: 128 mm

Arrangement: 3R18

Material type: Foam O, Height 20 mm

Add. function: Adhesive tape on one side