vacuum area gripper

FXP-SW90 1036 5R36 SPB2-20P F

Part no..:10.01.38.03106

https://www.schmalz.com/10.01.38.03106

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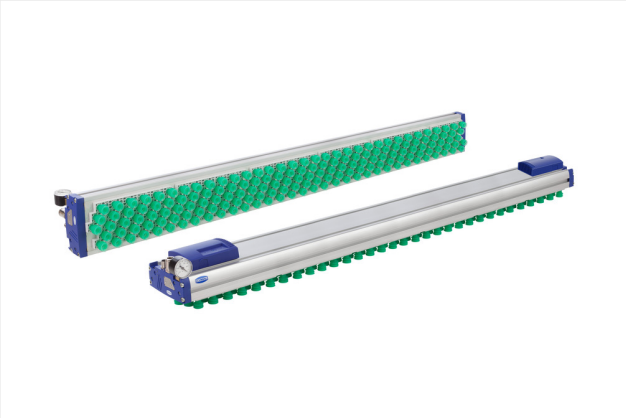
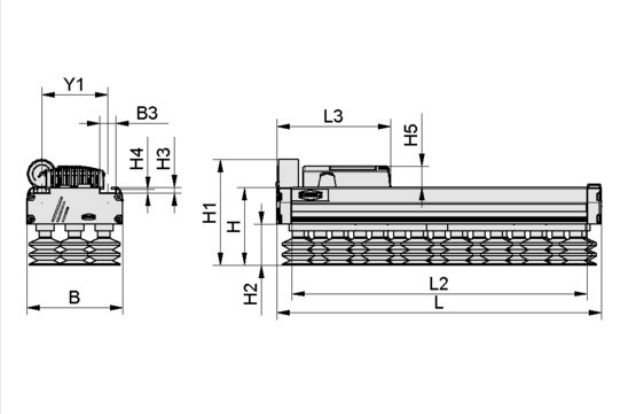
Vacuum area gripping system with integrated pneumatic vacuum generator and flow resistors



- Length L: 1,036 mm
- Width B: 130 mm
- Arrangement: 5R36
- Add. function: Filter
- Number of suction cells: 137
- Design: Multi-stage ejector SEMP
- Nozzle diameter: 0.9 mm
- Air consumption: 625 l/min
- Weight: 6.5 kg
- Product family: FXP

Design Data



Attribute	Value
B	130 mm
B3	21.60 mm
H	83 mm
H1	122 mm
H2	33 mm
H3	7.70 mm
H4	5.50 mm
H5	28 mm
L	1036 mm
L2	996 mm
L3	154 mm
Y1	90 mm
Valve type	SW

Permissible dimensional tolerances for elastomer parts according to DIN ISO 3302-1 M3 Note: Two ejectors/silencer box covers are used for the 1,234 mm and 1,432 mm lengths. Type FXP requires compressed air hose 12/9 mm

Technical Data

Attribute	Value
Arrangement	5R36
Number of suction cells	137

vacuum area gripper

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Suction force at -250 mbar	350 N
Suction rate (max.)	2270 l/min
Air consumption	625 l/min
Sealing element	Suction Cups
Add. function	Filter
Add. function	Filter
Weight	6.50 kg
Product family	FXP

Sound level: 74 dB(A) Max. degree of evacuation 55%

Accessories

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

VENT-EINH NO 24V-DC 1

Part no..:10.01.38.01101

Construction use: Vacuum area gripping system FXP
Control valve: Normally open

vacuum area gripper

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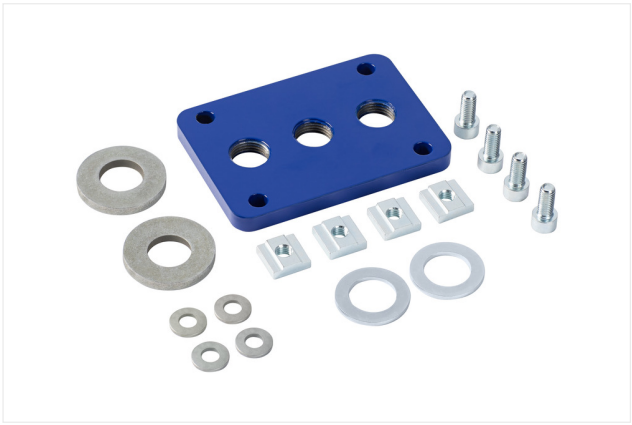


FLAN-PL 120x85x10 ST FLGR

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

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

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

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

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

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

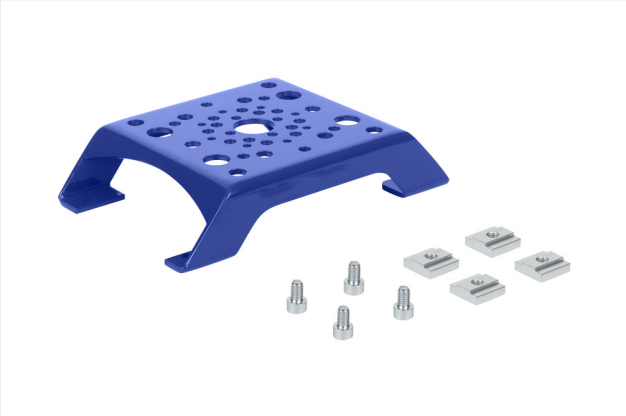
Part no..:10.01.10.05803

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



MOD-FLAN 176.6x118 FXP

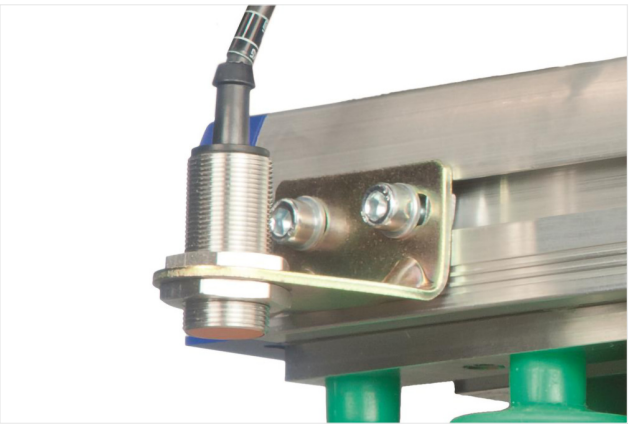
Part no..:10.01.38.01722

Length L: 176.6 mm
Width B: 118 mm
Height H: 40 mm
Construction use: Vacuum area gripping system FXP

VS-MONT 84x21x34.5 VSi-V FXP

Part no..:10.01.38.02691

Length L: 84 mm
Width B: 21 mm
Height H: 34.5 mm
Construction use: Vacuum area gripping system FXP
with: vacuum switch VSi



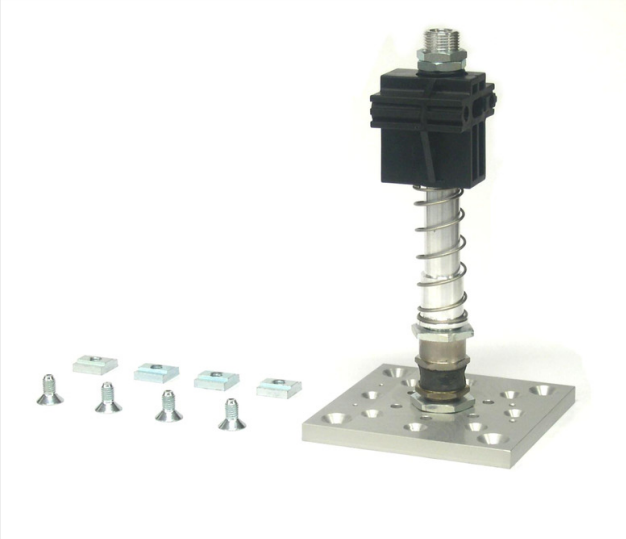
SET fuer-Sensor(FXP/FMP)

Part no..:10.01.38.01194

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

VAM 40 V U BAR

Part no..:10.07.02.00046

External diameter D: 40 mm
Measuring range: -1,00 ... 0,00 bar

VSL 12-9 PU MI-TR

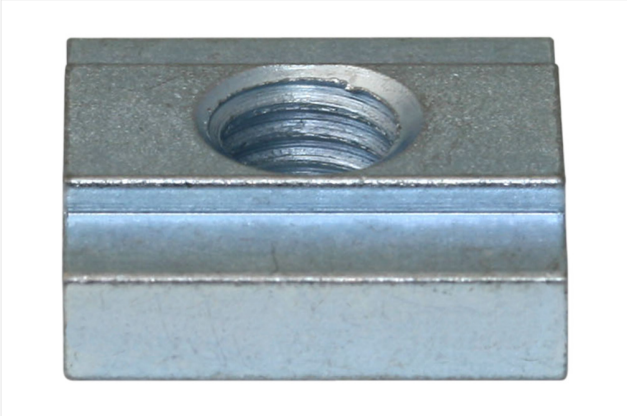
Part no..:10.07.09.00037

External diameter D: 12 mm
Internal diameter d: 9 mm
Length max.: 50 m
Material hose: PU
Bending radius min.: 70 mm
Pressure range (operating pressure): -0.95 ... 10.00 bar
Operating temperature: -20 ... 90 °C

NUT-STEI 20x20 M8-IG 10

Part no..:25.09.06.00012

Width B: 20 mm
Height H: 4.9 mm
Material: Steel
Length L: 20 mm
Thread G1: M8-F
Shape mounting elements: With step
Surface: galvanised
Weight: 15.9 g



NUT-STEI 20x20 M6-IG 10

Part no..:25.09.06.00036

Width B: 20 mm
Height H: 5 mm
Material: Steel
Length L: 20 mm
Thread G1: M6-F
Shape mounting elements: With step
Surface: galvanised

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 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

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

Spare parts

ERS FXP-SEMP-75 DECKEL

Part no..:10.01.38.02187

Measuring range: bar
Size: SEMP-75
contains: Cover
Construction use: Vacuum area gripping system FXP

ERS FXP-SEMP-50 DECKEL

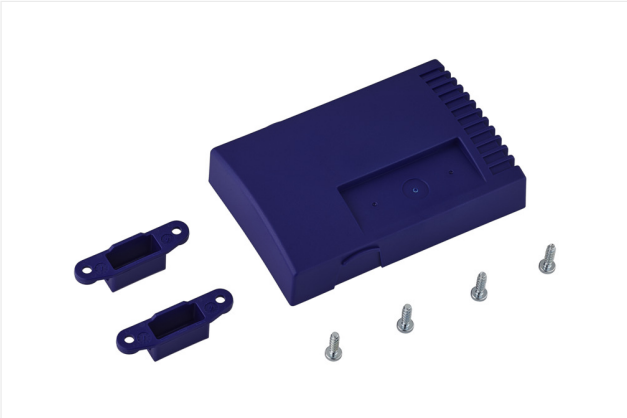
Part no..:10.01.38.02186

- Measuring range: bar
- Size: SEMP-50
- contains: Cover
- Construction use: Vacuum area gripping system FXP

MASK-FOL SW90 996 5R36 FXP-FMP

Part no..:10.01.38.03097

- Length L: 996 mm
- Width B: 109.8 mm
- Height H: 0.4 mm
- Measuring range: bar
- Nozzle diameter: 0.9 mm
- Construction use: Vacuum area gripping system FXP-FMP



SD 120x79x29 FXP

Part no..:10.01.38.01607

- Length L: 120 mm
- Width B: 79 mm
- Height H: 29 mm
- Construction use: Vacuum area gripping system FXP

vacuum area gripper

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SPB2 20 SI-40 P F

Part no..:10.01.38.00465

Add. function: Filter