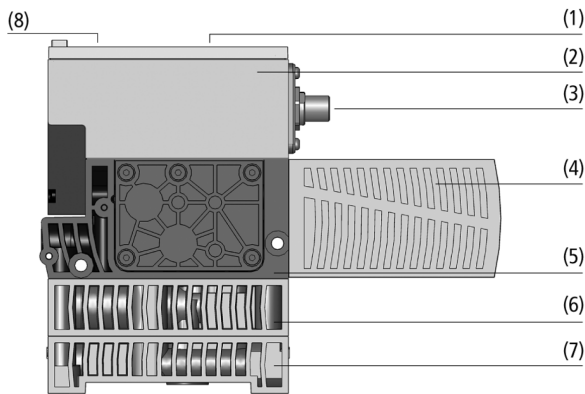


Compact Ejectors SXMPi Class B

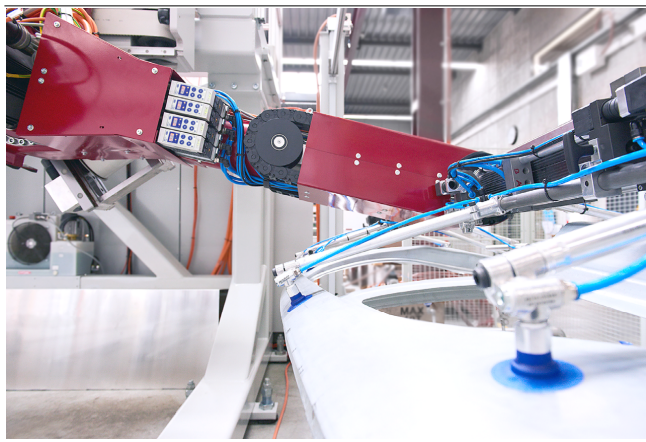
Suction rate from 185 l/min to 220 l/min



Compact Ejectors SXMPi Class B



System design Compact Ejectors SXMPi Class B



Compact ejectors SXMPi Class B when handling a sheet metal bending part

Suitability for industry specific applications

Application

- High performance vacuum generator for handling suction tight workpieces under extreme conditions, e.g. in vacuum systems in press lines for handling metal sheets
- Pick and place applications with short cycle times
- In automated systems for preparation and precise monitoring of the vacuum system
- Connection via IO-Link port Class B

Design

- User display (1) with large scale operating and display elements
- Control electronics (2) with diverse monitoring functions
- Electrical connection (3) via standard M12 plug 5-pin with electrical isolation (IO-Link Class B)
- Removable silencer (4); main body (5) made of extremely robust plastic, power blow-off module (6)
- Horizontal connection plate with vacuum and compressed air connection (7); optionally with Quick-Change adapter
- NFC antenna (8) for wireless data transmission

Product highlights

- IO-Link Class B interface with separate supply line for sensors and actuators for communication with the controller
- NFC interface allows diagnosis and parameterization via smartphone
- Integrated air saving function reduces energy costs to a minimum
- Condition monitoring to increase efficiency and avoid downtime
- Voltage regulator ensures a constant voltage

Compact Ejectors SXMPi Class B

Suction rate from 185 l/min to 220 l/min

Designation code Compact Ejectors SXMPi Class B

SXMPi	–	25	–	NC	–	H	–	PC	–	M12-5
1		2		3		4		5		6

1 – Abbreviated designation

Code	Version
SXMPi	With power blow off

2 – Nozzle size

Code	Diameter in mm
25...30	ø 2.5 and 3.0

3 – Idle position suction valve

Code	Type
IMP	Bistable switched with pulse
NC	Normally closed
NO	Normally open

4 – Connection pneumatical

Code	Connection
H	Horizontal
Q	Quick-Change

5 – Additional function

Code	Type
PC	Pressure monitoring

























6 – Connection electrical

Code	Connection
M12-5	M12, 5-pole

The compact ejector SXMPi Class B is supplied as a product ready for connection (without connection cable).

Available accessories: connection cable, base plate, ejector tester

Ordering data Compact Ejectors SXMPi Class B

Type	Part no.
SXMPi 25 NO H PC M12-5	10.02.02.05286 
SXMPi 25 NO Q PC M12-5	10.02.02.05287 
SXMPi 25 NO H M12-5	10.02.02.05288 
SXMPi 25 NO Q M12-5	10.02.02.05289 
SXMPi 30 NO H PC M12-5	10.02.02.05290 
SXMPi 30 NO Q PC M12-5	10.02.02.05291 
SXMPi 30 NO H M12-5	10.02.02.05292 
SXMPi 30 NO Q M12-5	10.02.02.05293 
SXMPi 25 NC H PC M12-5	10.02.02.05294 
SXMPi 25 NC Q PC M12-5	10.02.02.05295 
SXMPi 25 NC H M12-5	10.02.02.05296 
SXMPi 25 NC Q M12-5	10.02.02.05297 
SXMPi 30 NC H PC M12-5	10.02.02.05298 
SXMPi 30 NC Q PC M12-5	10.02.02.05299 
SXMPi 30 NC H M12-5	10.02.02.05300 
SXMPi 30 NC Q M12-5	10.02.02.05301 
SXMPi 25 IMP H PC M12-5	10.02.02.05302 
SXMPi 25 IMP Q PC M12-5	10.02.02.05303 
SXMPi 25 IMP H M12-5	10.02.02.05304 
SXMPi 25 IMP Q M12-5	10.02.02.05305 
SXMPi 30 IMP H PC M12-5	10.02.02.05306 
SXMPi 30 IMP Q PC M12-5	10.02.02.05307 
SXMPi 30 IMP H M12-5	10.02.02.05308 
SXMPi 30 IMP Q M12-5	10.02.02.05309 

Compact Ejectors SXMPi Class B

Suction rate from 185 l/min to 220 l/min

Ordering data Accessories Compact Ejectors SXMPi Class B

Type	Part no.
Connection cable, M12 5-pole, 5 m, PUR, straight	ASK B-M12-5 5000 K-5P
Ejector tester	EJEK-TEST SMPi/SCPi
Basic plate	GPQ1 122x46x43 SXPi/SXMPi
Basic plate	GPQ2 122x87x48 SXPi/SXMPi

Technical data Compact Ejectors SXMPi Class B

Type	Degree of evacuation [%]	Suction rate (max.) [l/min]	Suction rate (max.) [m ³ /h]	Air consumption suction [l/min]	Air consumption suction [m ³ /h]	Max. air consumption blow-off [l/min]
SXMPi 25	85	185	11.1	290	18	320
SXMPi 30	85	220	13.2	380	23	320

Type	Sound pressure level free [dB(A)]	Pressure range (operating pressure) [bar]	Recommended hose internal diameter compressed air [mm]*	Recommended hose internal diameter vacuum [mm]**	Weight [kg]	Operating temperature [°C]
SXMPi 25	67	3.0 ... 6.0 bar	8	9	1	0 ... 50 °C
SXMPi 30	72	3.0 ... 6.0 bar	8	9	1	0 ... 50 °C

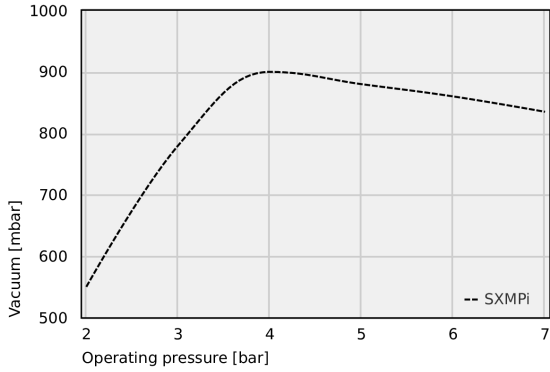
*For max. length 2 m

**For max. length 2 m

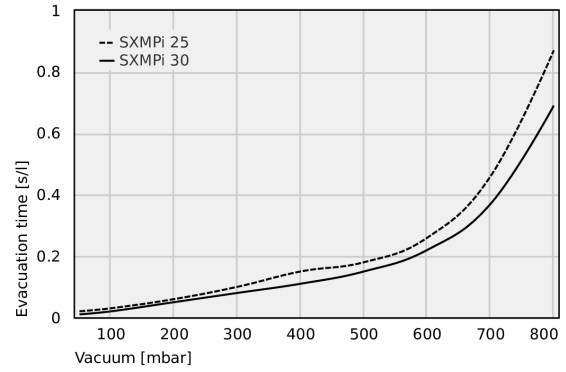
Compact Ejectors SXMPi Class B

Suction rate from 185 l/min to 220 l/min

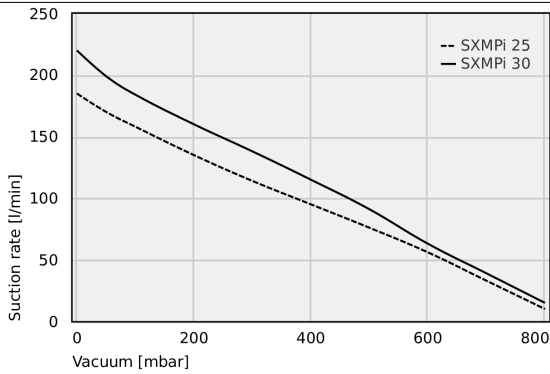
Performance data Compact Ejectors SXMPi Class B



Achievable vacuum at various operating pressures



Evacuation time for various vacuum ranges [s/l]



Suction rate at various degrees of evacuation [l/min]

Achievable vacuum at various operating pressures

	2	3	4	5	6	7
SXMPi	550.00	780.00	900.00	880.00	860.00	835.00

Compact Ejectors SXMPi Class B

Suction rate from 185 l/min to 220 l/min

📄 Evacuation time for various vacuum ranges [s/l]

	50	100	200	300	400	500	600	700	800
SXMPi 25	0.02	0.03	0.06	0.10	0.15	0.18	0.26	0.46	0.87
SXMPi 30	0.01	0.02	0.05	0.08	0.11	0.15	0.22	0.37	0.69

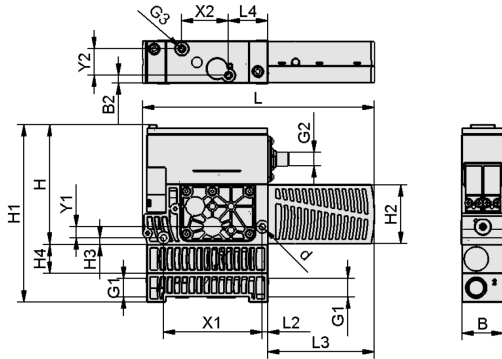
📄 Suction rate at various degrees of evacuation [l/min]

	0	50	100	200	300	400	500	600	700	800
SXMPi 25	185	170	158	135	114	95	76	56	33	10
SXMPi 30	220	199	184	160	138	115	91	63	39	15

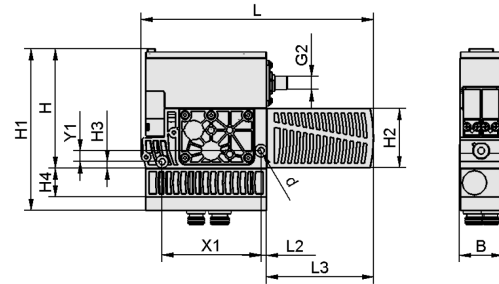
Compact Ejectors SXMPi Class B

Suction rate from 185 l/min to 220 l/min

Design data Compact Ejectors SXMPi Class B



SXMPi H



SXMPi Q

Compact Ejectors SXMPi Class B

Suction rate from 185 l/min to 220 l/min

Design data Compact Ejectors SXMPi Class B

Type		B [mm]	B2 [mm]	d [mm]	G1	G2		H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L2 [mm]	L3 [mm]	L4 [mm]	X1 [mm]	X2 [mm]	Y1 [mm]	Y2 [mm]
SXMPi	H	39	7	6	G3/8"-F	-	M5-F	108.0	160	54.0	6	26	210.0	5	97	36	89	42	10	24
SXMPi	Q	39	-	6	-	-	-	108.0	146	54.0	6	26	210.0	5	97	-	89	-	10	-

Multimedia product presentation

Medium	Link
Product video	https://vimeo.com/147436675