

P3010,



- Patented COAX® technology.
- Available with three-stage COAX® cartridge MINI. Choose an Si cartridge for extra vacuum flow, a Pi cartridge for high performance at low feed pressure or an Xi cartridge when high flow and deep vacuum is needed.
- Includes a flow-through silencer and a built-in vacuum filter for harsh environments.
- Suitable for fast and reliable evacuation in sealed systems.
- Slim, compact, configurable and modular design.
- Low weight.

General

Material	PA, PP, SS, Al, Nitrile (NBR)
Noise level	66 – 68 dBA
Temperature	-10 – 50 °C
Weight	110 – 330 g

Performance

Feed pressure, max.	0.7 MPa
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Vacuum flow

COAX® Cartridge	Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)											Max vacuum -kPa
			0	10	20	30	40	50	60	70	80	90		
Pi12-3	0.32	0.44	1.4	0.6	0.44	0.27	0.19	0.14	0.1	0.06	0.03	—	90	
Si08-3	0.6	0.44	1.34	0.73	0.55	0.35	0.23	0.17	0.13	0.08	—	—	75	
Xi10-3	0.5	0.46	1.43	0.7	0.5	0.33	0.19	0.15	0.11	0.07	0.045	0.011	94	

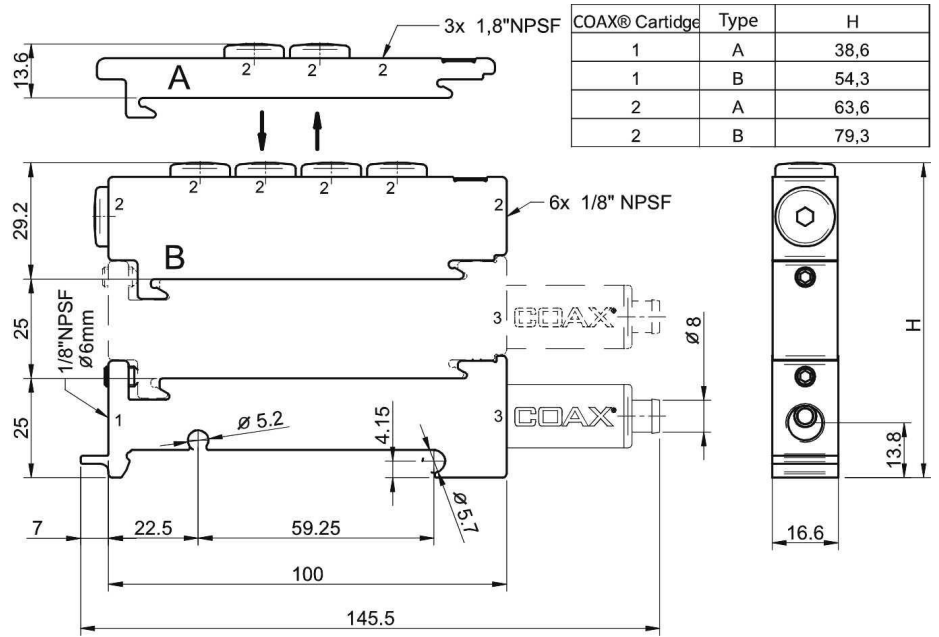
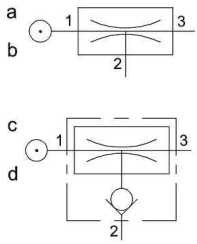
Evacuation time

COAX® Cartridge	Feed pressure MPa	Air consumption NI/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)										Max vacuum -kPa
			10	20	30	40	50	60	70	80	90		
Pi12-3	0.32	0.44	0.08	0.23	0.49	1	1.7	2.6	3.9	6.3	—	90	
Si08-3	0.6	0.44	0.1	0.25	0.48	0.8	1.3	2.3	4.6	—	—	75	
Xi10-3	0.5	0.46	0.09	0.26	0.5	0.9	1.5	2.2	3.4	5.2	8.8	94	

Blow flow

COAX® Cartridge	Feed pressure MPa	Air consumption NI/s	Blow flow (NI/s) at different pressure levels (kPa)												Max pressure kPa
			0	20	40	60	70	80	90	100	110	120	130	140	
Si08-3	0.6	0.44	1.78	1.16	1.03	0.86	0.8	0.75	0.66	0.53	—	—	—	—	70
Pi12-3	0.6	0.75	1.87	1.4	1.33	1.12	1.03	1.03	1.03	1.03	1	0.95	0.86	0.79	140
Xi10-3	0.6	0.54	1.8	1.3	1.1	0.98	0.85	0.84	0.79	0.71	0.61	—	—	—	90

Dimensional drawings



Values specified in the data sheet are tested at:

Room temperature	(20°C [68°F] ± 3°C [5.5°F])
Standard atmosphere	(101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg])
Relative humidity	0-100%
Compressed air quality	DIN ISO 8573-1 class 4

Spare parts

	Item no.
Sealing kit P3010, NBR	0104201