

P3010 Quick Release Module



P3010 Quick Release Module

- Patented multistage COAX® cartridge - MINI - with Pi, Si, Xi cartridge.
- Quick release volume from 3-60 cm³
- Includes a flow-through silencer and a built-in vacuum filter for harsh environments.
- Slim, compact, configurable and modular design.
- Low weight.

Technical data

Description	Unit	Value
Feed pressure, max.	MPa	0.7
Noise level	dB(A)	66-68
Temperature range	°C	-10-50
Weight	g	168-320
Material		PP, PA, NBR, Al, SS

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	0.314	0.44	1.40	0.60	0.44	0.27	0.19	0.14	0.10	0.060	0.030	—	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	0.70	0.50	0.33	0.19	0.15	0.11	0.07	0.045	0.011	94	

For vacuum flows at other feed pressures, see COAX® Cartridge data sheets. *Feed pressure tolerance, +/- 0.01 MPa

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	0.314	0.44	0.08	0.23	0.49	1.00	1.70	2.60	3.90	6.30	—	90		
Si08-3	0.6	0.44	0.10	0.25	0.48	0.80	1.30	2.30	4.60	—	—	75		
Xi10-3	0.5	0.46	0.09	0.26	0.50	0.90	1.5	2.2	3.4	5.2	8.8	94		

For evacuation times at other feed pressures, see COAX® Cartridge data sheets. *Feed pressure tolerance, +/- 0.01 MPa

Ordering information

1. Select housing P3010 Code

Housing, connection Ø=6 mm	00
Housing, connection 1/8" NPSF	01

2. COAX® cartridge modules P3010 Code

COAX® cartridge module Pi12-3FSx1	AE
COAX® cartridge module Pi12-3FSx1, non-return valve	AF
COAX® cartridge module Pi12-3FSx2	AG
COAX® cartridge module Pi12-3FSx2, non-return valve	AH
COAX® cartridge module Si08-3FSx1	AA
COAX® cartridge module Si08-3FSx1, non-return valve	AB
COAX® cartridge module Si08-3FSx2	AC
COAX® cartridge module Si08-3FSx2, non-return valve	AD
COAX® cartridge module Xi10-3FSx1	AI
COAX® cartridge module Xi10-3FSx1, non-return valve	AJ
COAX® cartridge module Xi10-3FSx2	AK
COAX® cartridge module Xi10-3FSx2, non-return valve	AL

3. Select connection and function module P3010 Code

A	Function Quick-release connection, 10 and 6 mm, 3 cm ³	04
B	Function Quick-release connection, 8 and 6 mm, 30 cm ³	05
C	Function Quick-release connection, 8 and 6 mm, 60 cm ³	06
B	Function Quick-release connection, 10 and 6 mm, 30 cm ³	07
C	Function Quick-release connection, 10 and 6 mm, 60 cm ³	08
A	Function Quick-release connection, 1/4" NPSF and 6 mm, 3 cm ³	09
B	Function Quick-release connection, 1/4" NPSF and 6 mm, 30 cm ³	10
C	Function Quick-release connection, 1/4" NPSF and 6 mm, 60 cm ³	11
A	Function Quick-release connection, 8 and 6 mm, 3 cm ³	12

4. Select ES P3010 Code

No energy saving	AA
Valve DS23	AB

For detailed information on Valve DS 23, see separate datasheet.

5. Select vacuum sensing P3010 Code

No vacuum sensing	00
Vacuum switch, adjustable, PNP NO MM8	01
Vacuum switch, adjustable, NPN NO MM8	02
Vacuum switch, adjustable, PNP NO LM8	05
Vacuum switch, adjustable, PNP NO DM8	09
Vacuum switch, adjustable, NPN NO DM8	10
Vacuum switch inductive, adjustable with knob	11
Vacuum switch VS4015 Ø6, 30 -kPa	18
Vacuum switch VS4015 Ø6, 50 -kPa	19

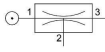
For detailed information on vacuum switches, see separate datasheets.

Example

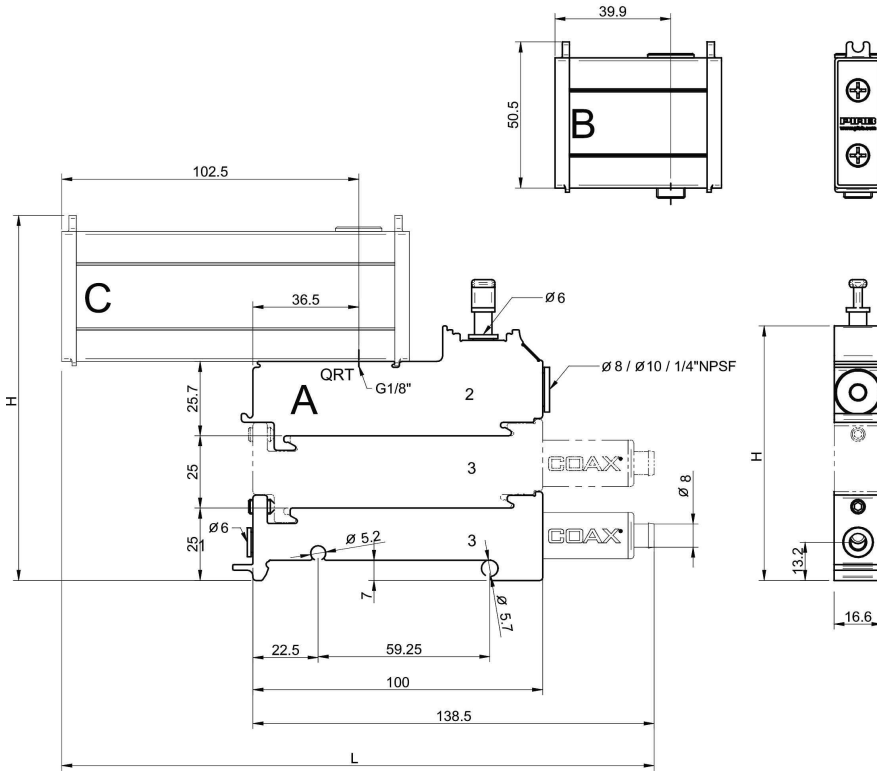
Ordering number

Housing, connection Ø 6 mm Pi12-3FSx1, Function Quick-release module 10/6 3cm³, no energy saving, no vacuum sensing

P3010.00.AE.04.AA.00



	A	B	C
1x COAX® Cartridge	H=63	H=102	H=102
2x COAX® Cartridge	H=88	H=127	H=127
Length (L)	L=139	L=142	L=205



Ordering information, accessories

Description

Art. No.

Sealing kit P3010, NBR

0104201

The sealing kit includes flap valves, compressed air filter and vacuum filter.