

P6010



As with the majority of our pumps, it is available with the patented COAX® technology and with a three-stage COAX® cartridge MIDI. 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. The P6010 consumes substantially less air compared to conventional ejectors. It also has quicker evacuation times and a low noise level. It is available with multiple connection alternatives. It can be configured with 1–4 cartridges.

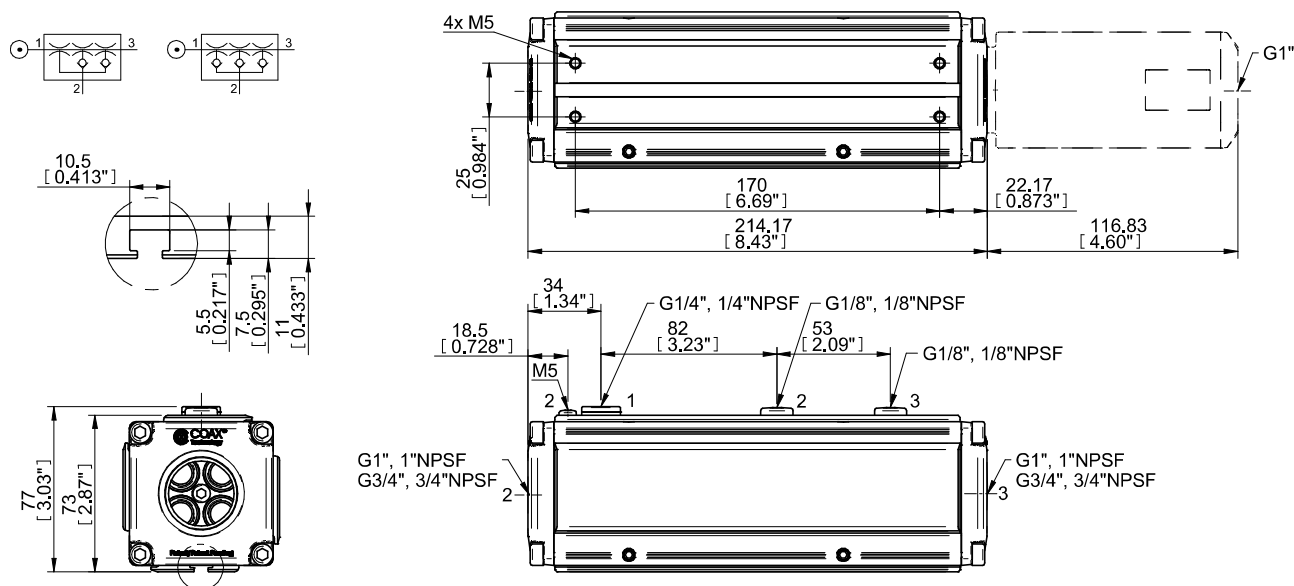
VACUUM FLOW

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	
Pi48-3	0.31	2	5.6	2.5	1.8	1.1	0.65	0.5	0.35	0.25	0.1	—	90
Pi48-3 ×2	0.31	4	11.2	5	3.6	2.2	1.3	1	0.7	0.5	0.2	—	90
Pi48-3 ×3	0.31	6	16.8	7.5	5.4	3.3	1.95	1.5	1.05	0.75	0.3	—	90
Pi48-3 ×4	0.31	8	22.4	10	7.2	4.4	2.6	2	1.4	1	0.4	—	90
Si32-3	0.6	1.75	6	3.5	2.6	1.7	0.9	0.6	0.5	0.35	—	—	75/52*
Si32-3 ×2	0.6	3.5	12	7	5.2	3.4	1.8	1.2	1	0.7	—	—	75/52*
Si32-3 ×3	0.6	5.25	18	10.5	7.8	5.1	2.7	1.8	1.5	1.05	—	—	75/52*
Si32-3 ×4	0.6	7	24	14	10.4	6.8	3.6	2.4	2	1.4	—	—	75/52*
Xi40-3	0.45	1.83	5.9	3	2	1.3	0.73	0.58	0.43	0.32	0.18	0.03	95/51*
Xi40-3 ×2	0.45	3.66	11.8	6	4	2.6	1.46	1.16	0.86	0.64	0.36	0.06	95/51*
Xi40-3 ×3	0.45	5.49	17.7	9	6	3.9	2.19	1.74	1.29	0.96	0.54	0.09	95/51*
Xi40-3 ×4 * With 1x flap valve.	0.45	7.32	23.6	12	8	5.2	2.92	2.32	1.72	1.28	0.72	0.12	95/51*

EVACUATION TIMES

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	
Pi48-3	0.31	2	0.02	0.06	0.12	0.25	0.45	0.7	1	1.6	4	90
Pi48-3 × 2	0.31	4	0.01	0.03	0.06	0.125	0.23	0.35	0.5	0.8	2	90
Pi48-3 × 3	0.31	6	0.0067	0.02	0.04	0.083	0.15	0.23	0.33	0.53	1.33	90
Pi48-3 × 4	0.31	8	0.005	0.015	0.03	0.063	0.11	0.175	0.25	0.4	1	90
Si32-3	0.6	1.75	0.02	0.05	0.1	0.18	0.33	0.53	0.8	—	—	75/52*
Si32-3 × 2	0.6	3.5	0.01	0.025	0.05	0.09	0.17	0.27	0.4	—	—	75/52*
Si32-3 × 3	0.6	5.25	0.0067	0.017	0.033	0.06	0.11	0.17	0.27	—	—	75/52*
Si32-3 × 4	0.6	7	0.005	0.0125	0.025	0.045	0.083	0.13	0.2	—	—	75/52*
Xi40-3	0.45	1.83	0.022	0.062	0.12	0.22	0.37	0.57	0.84	1.2	2.2	95/51*
Xi40-3 × 2	0.45	3.66	0.011	0.031	0.06	0.11	0.19	0.29	0.42	0.6	1.1	95/51*
Xi40-3 × 3	0.45	5.49	0.0073	0.021	0.04	0.073	0.12	0.19	0.28	0.4	0.73	95/51*
Xi40-3 × 4 * With 1x flap valve.	0.45	7.32	0.0055	0.0155	0.03	0.055	0.093	0.14	0.21	0.3	0.55	95/51*

DIMENSIONAL DRAWING



ORDERING INFORMATION

For a complete list of available pumps and combinations with further information visit piab.com. On our webpage you will also be able to find dimensional drawings, CAD-drawings and much more. Register and get full access to all resources available.

ACCESSORY DESCRIPTIONS



P6010 Classic

Very similar to the P6010 with the patented COAX® technology. The connections can be made on the long side of the ejector and is retro-compatible with Piab's Classic model in regard to mounting.



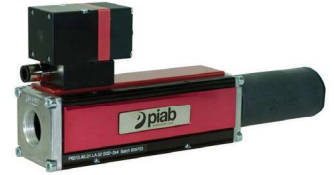
P6010 AVM™2

The AVM™2 unit has built-in control and monitoring functions. The integrated energy saving function (ES) minimises the air consumption in sealed systems. It has valves for vacuum on/off and blow-off with electrical power failsafe function. The AVM™ has digital outputs, 16 pre-set combinations of vacuum levels, digital vacuum level display and a mechanical valve for blow-off flow adjustment.



P6010 CU

The CU has electric valves for vacuum on/off and blow-off and a mechanical valve for blow-off flow adjustment. It also has a with special M12 4-pin cable assembly with LED for status of valve signal.



P6010 PCC

Different vacuum pumps need different feed pressure for optimum performance. The PCC is programmable for constant vacuum level, as the input signal regulates the feed pressure to maintain a constant vacuum level. It has an integrated analogue vacuum sensor.

P6010 – CUSTOMER CODE

P6010 Code	Code	COAX® Cartridge module	Code	Mounting
P6010	AA	COAX® Cartridge module Blind ×4	01	Mounting T-slot, Cover plate PIAB label
	AB	COAX® Cartridge module Si32-3×1		
	AC	COAX® Cartridge module Si32-3×2		
	AD	COAX® Cartridge module Si32-3×3		
	AE	COAX® Cartridge module Si32-3×4		
	AF	COAX® Cartridge module Si32-3×1, non-return valve		
	AG	COAX® Cartridge module Si32-3×2, non-return valve		
	AH	COAX® Cartridge module Si32-3×3, non-return valve		
	AI	COAX® Cartridge module Si32-3×4, non-return valve		
	BB	COAX® Cartridge module Si32-3×1, 1× flap valve		
	BC	COAX® Cartridge module Si32-3×2, 1× flap valve		
	BD	COAX® Cartridge module Si32-3×3, 1× flap valve		
	BE	COAX® Cartridge module Si32-3×4, 1× flap valve		
	AJ	COAX® Cartridge module Pi48-3×1		
	AK	COAX® Cartridge module Pi48-3×2		
	AL	COAX® Cartridge module Pi48-3×3		
	AM	COAX® Cartridge module Pi48-3×4		
	AN	COAX® Cartridge module Pi48-3×1, non-return valve		
	AO	COAX® Cartridge module Pi48-3×2, non-return valve		
	AP	COAX® Cartridge module Pi48-3×3, non-return valve		
	AQ	COAX® Cartridge module Pi48-3×4, non-return valve		
	AR	COAX® Cartridge module Xi40-3×1		
	AS	COAX® Cartridge module Xi40-3×2		
	AT	COAX® Cartridge module Xi40-3×3		
	AU	COAX® Cartridge module Xi40-3×4		
	AV	COAX® Cartridge module Xi40-3×1, non-return valve		
	AW	COAX® Cartridge module Xi40-3×2, non-return valve		
	AX	COAX® Cartridge module Xi40-3×3, non-return valve		
	AY	COAX® Cartridge module Xi40-3×4, non-return valve		
	BJ	COAX® Cartridge module Xi40-3×1, 1× flap valve		
	BK	COAX® Cartridge module Xi40-3×2, 1× flap valve		
	BL	COAX® Cartridge module Xi40-3×3, 1× flap valve		
	BM	COAX® Cartridge module Xi40-3×4, 1× flap valve		

P6010	.	AA	.	01	.	LA	.	51
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Code	Cover/Function plates
LA	Cover plate G thread connections, Cover plate plain
LB	Function PCC Vacuum, Cover plate G thread connections
LI	Cover plate Classic G thread connections, Cover plate plain
LJ	Cover plate NPSF thread connections, Cover plate plain
LK	Cover plate Classic NPSF thread connections, Cover plate plain
LT	Function PCC Vacuum, Cover plate NPSF thread connections
LU	Function AVM™2 NO, Cover plate G thread connections
LV	Function AVM™2 NC, Cover plate G thread connections
LW	Function AVM™2 NO, Cover plate NPSF thread connections
LX	Function AVM™2 NC, Cover plate NPSF thread connections
LY	Function CU NC, Cover plate G thread connections
LZ	Function CU NC, Cover plate NPSF thread connections
MA	Function AVM™2 NO, Cover plate G thread connections SB
MB	Function AVM™2 NC, Cover plate G thread connections SB
MC	Function AVM™2 NO, Cover plate NPSF thread connections SB
MD	Function AVM™2 NC, Cover plate NPSF thread connections SB
ME	Function CU NC, Cover plate G thread connections SB
MF	Function CU NC, Cover plate NPSF thread connections SB

Code	Cover/Function plates
51	Connections 2x G1"
52	Connections 2x G1", silencer 1"
53	Connections 2x G3/4"
54	Connections 2x G3/4", silencer 3/4"
55	Connections 2x 1" NPSF
56	Connections 2x 1" NPSF, silencer 1"
57	Connections 2x 3/4" NPSF
58	Connections 2x 3/4" NPSF, silencer 3/4"