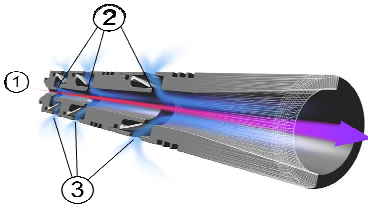


PIAB COAX[®] Cartridge – Quick Reference Guide

What is COAX[®]?



The COAX[®] Principle

When compressed air (1) flows through the pump nozzles (2), air is pulled through with the stream of compressed air. "Suction" is thus created at the opening of each stage (3).

COAX[®] combines the internal components of a multi-stage vacuum pump into a single vacuum cartridge.

The result is a **smaller, more efficient** and **more reliable** vacuum technology that can provide three times more vacuum flow than conventional systems.

The COAX[®] Family



The **COAX[®]** family of cartridges provides a wide performance range, enabling PIAB to develop solutions for most vacuum applications.

COAX[®] technology's flexibility makes it highly suitable for modular and decentralized vacuum system designs.

Pump & Cartridge Chart

PUMP STYLE	MICRO			MINI						MIDI					
	Si02-2	Bi03-2	Xi2.5-2	Si08-2	Si08-3	Pi12-2	Pi12-3	Xi10-2	Xi10-3	Si32-2	Si32-3	Pi48-2	Pi48-3	Xi40-2	Xi40-3
VGS [™] 2010	X	X	X												
P2010	X	X	X												
VGS [™] 3010				X	X	X	X	X	X						
P3010					X		X		X						
PMAT						X		X							
VGS [™] 5010										X	X	X	X	X	X
P5010										X	X	X	X	X	X
P6010											X		X		X
P6040											X		X		X



VGS2010[™]

P2010

VGS3010[™]

P3010

PMAT

VGS5010[™]

P5010

P6010

P6040

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Si COAX[®] Cartridges

MICRO Si02-2	MINI Si08-2 / Si08-3	MIDI Si32-2 / Si32-3
Optimal feed pressure 87 PSI Max. vacuum 22.2 -inHg Air consumption 0.25 scfm	Optimal feed pressure 87 PSI Max. vacuum 22.2 -inHg Air consumption 0.93 scfm	Optimal feed pressure 87 PSI Max. vacuum 22.2 -inHg Air consumption 3.71 scfm

- Large vacuum flow in relation to energy consumption
- Ideal for handling porous material or if surface leakage is present
- Recommended for high speed applications

Bi & Pi COAX[®] Cartridges

MICRO Bi03-2	MINI Pi12-2 / Pi12-3	MIDI Pi48-2 / Pi48-3
Optimal feed pressure 26 PSI Max. vacuum 24.9 -inHg Air consumption 0.30 scfm	Optimal feed pressure 45 PSI Max. vacuum 27 -inHg Air consumption 0.93 scfm	Optimal feed pressure 44 PSI Max. vacuum 27 -inHg Air consumption 4.24 scfm

- High performance reliability in cases of fluctuating or low compressed air pressure
- Deep vacuum level achieved at low feed pressure

Xi COAX[®] Cartridges

MICRO Xi2.5-2	MINI Xi10-2 / Xi10-3	MIDI Xi40-2 / Xi40-3
Optimal feed pressure 65 PSI Max. vacuum 27.2 -inHg Air consumption 0.25 scfm	Optimal feed pressure 56 PSI Max. vacuum 27.8 -inHg Air consumption 0.89 scfm	Optimal feed pressure 65 PSI Max. vacuum 28.1 -inHg Air consumption 3.88 scfm

- Provides high flow at deep vacuum levels
- Ideal for use at moderate feed pressures
- Deep vacuum levels achieved from low air consumption

