PIAB VACUUM PUMPS piINLINE/piCOMPACT/P3010/P5010...

COAX® – A forerunner within air-driven vacuum technology



COAX[®] is an advanced solution for creating vacuum with compressed air. Based on Piab's multistage technology, COAX[®] cartridges are smaller, more efficient and more reliable than conventional ejectors, which allow for the design of a flexible, modular and efficient vacuum system. A vacuum system based on COAX[®] technology can provide you with several times more vacuum flow than conventional systems, allowing you to increase speed with high reliability while reducing energy consumption with up to 50%.

uvano

When compressed air (1) passes through the nozzles (2), air is pulled through with the stream of compressed air. Suction will be generated at the opening of each stage (3), resulting in vacuum.

COAX[®] cartridges exist in a 3-stage or 2-stage design in different sizes (MICRO, MINI and MIDI) and in several characteristics (Si, Xi, Ti and Bi/Pi) making them suitable for many applications. The technology ensures excellent performance at both low and high feed pressures (0.18-0.6 MPa, [26-87 psi]). Some cartridges are available in both 3-stage and 2-stage designs. The 3-stage is for increased vacuum flow and faster evacuation and the 2-stage is more economical and for applications where size and weight are factors.





Technical modifications keep in reserve!

2021/04)

Energy optimizers

It is important to complete the vacuum system with "optimizing" control functions that will limit the use of compressed air and/or facilitate the use of a eco-friendly decentralized vacuum system.

Keeps energy consumption for releasing objects to a minimum

The optimal energy saving function for leaking

Saves up to 95% of energy consumption in

Integrated valve, vacuum switch, energy saving, flow control and much much more..

sealed vacuum applications

Example of configurations Automatic Quick Release



AQR02 mounted on VGS™3010

Piab Cruise Control



PCC mounted on a P6010

Energy Saving



ES mounted on a P3010

Automatic Vacuum Management



AVM[™] 2 mounted on a P5010

System optimizers

Wide range both of filter types and degree of filtration

Wide range of

pneumatic, electric,

electronic vacuum

switches in fixed and adjustable ver-

applications



Vacuum Filter



Flow through silencers to avoid clogging and reduced pump performance



Silencers

Reliable quick-release function for faster response time

Low opening pressure



Blow Off Valve

Technical modifications keep in reserve I

sions.

