

Turbomolecular pumps

ATP Series



PROVIDING RELIABILITY AND PERFORMANCE

A version for each application

The ATP series offering provides pumping speeds from 80 to 900 l/s and low ultimate pressure.

Three versions:

- Standard
- "C" for corrosive applications
- "HPC" for high pressure corrosive applications

Features

- High internal conductance
- Low rotational speed
- Large internal clearances

The inverted dynamic seal

The "C" and "HPC" incorporate an inverted dynamic seal.

This unique feature improves the effectiveness of the gas purge in corrosive applications.

In addition the "HPC" version can be heated to 65°C to prevent condensation.

Benefits

- Avoid by-passing the high vacuum pumps
- Robust against accidental events (air inrush, shock...)
- Less sensitive to solid particles (deposition, pollution...)

ACT controllers: multiple interfacing capabilities

The ACT controllers optimize the control and monitoring of the ATP pumps.

Provided with a large number of interfacing capabilities, the ACT controllers are easy to integrate.



Applications

- Load-lock pumping
- Lamps manufacturing
- Beam generator (electron, x ray, etc)
- Surface analyzer
- Physical Vapor Deposition
- Ion implantation
- RIE
- Deposition
- Space simulation
- High vacuum
- General physics experiments

Product features

- Ceramic ball bearings
- Operation in any orientation
- On-site maintenance
- Stand-by speed
- Natural air or water cooling
- ISO-K and CF-F flanges standard (ASA flanges available on request)
- ACT controller 1/2 or 1/4 Rack according to pump model



High vacuum calibration stand (R&D)

All measurements according to Pneurop standard (CF-F flange, 48 hours of baking). Backing pressure less than 10^{-2} mbar.

Models	Inlet flange	Pumping speed N ₂ (l/s)	Ultimate pressure (mbar / Torr)
ATP 80	DN 63 ISO-K/CF-F	80	5×10^{-9} / 4×10^{-9}
ATP 80C	DN 63 ISO-K/CF-F	80	5×10^{-8} / 4×10^{-8} *
ATP 100	DN 100 ISO-K/CF-F	100	5×10^{-9} / 4×10^{-9}
ATP 100C	DN 100 ISO-K/CF-F	100	5×10^{-8} / 4×10^{-8} *
ATP 150	DN 100 ISO-K/CF-F	140	5×10^{-10} / 4×10^{-10}
ATP 150C	DN 100 ISO-K/CF-F	140	1×10^{-7} / 8×10^{-6} *
ATP 400	DN 160 ISO-K/CF-F	400	8×10^{-10} / 6×10^{-10}
ATP 400C	DN 160 ISO-K/CF-F	400	1×10^{-7} / 8×10^{-6} *
ATP 400HPC	DN 160 ISO-K/CF-F	380	5×10^{-8} / 4×10^{-8}
ATP 900	DN 200 ISO-K/CF-F	900	5×10^{-10} / 4×10^{-10}
ATP 900C	DN 200 ISO-K/CF-F	900	1×10^{-7} / 8×10^{-6} *
ATP 900HPC	DN 200 ISO-K/CF-F	700	5×10^{-8} / 4×10^{-8}

* Pump with purge

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