

Diaphragm Vacuum Pump: PRO Series

with BLDC motor

AD2C PRO



AD2C PRO VC



AD2C PRO VCE



Diaphragm Vacuum Pump: PRO Series

PRO Series Diaphragm Vacuum Pump by Aditya Scientific, which utilizes advanced vacuum technology with a brushless DC motor to ensure an efficient and worry-free evaporation process by providing precise control over vacuum parameters.

These chemistry-design diaphragm pumps are the perfect solution for continuous and oil-free pumping of corrosive gases and vapours. They boast excellent resistance to aggressive solvents and acidic vapours, making them environmentally friendly as well. The two-stage construction offers a winning combination of high pumping speed and low ultimate vacuum.

The diaphragms and gas contacting parts are crafted from durable materials such as PTFE, PTFE Compounds, and ceramic compounds. We utilize proven PTFE sandwich diaphragms, enhancing reliability and extending the operating life of the pump.

With the PRO Series Diaphragm Vacuum Pump, your vacuum processes become more effective and reproducible. The additional pressure reduction capability enables near-automatic distillation of gas mixtures without the need for fractionated operation. This pump stands as our flagship chemistry diaphragm pump and remains a popular choice as the core of ADITYA pumping systems. Furthermore, this new indigenous pump offers improved performance data and superior vapour tolerance, solidifying its position as a top-notch option.



Specifications & Features:

- Outstanding Chemical Resistance and Superior Vapour Tolerance
- Whisper Quiet and Low Vibration
- Maintenance Free Drive System
- High Performance Even at Low Vacuum Levels
- Long Diaphragm Life
- Ease of Operation

MODEL	AD2C - PRO	AD2C - PRO – VC with digital vacuum controller	AD2C – PRO – VCE with digital vacuum controller, inlet trap & exhaust condenser
Specifications			
No. of Heads/Stages	2	2	2
Max. pumping speed at 50 Hz (m ³ /h)	2.0	2.0	2.0
Ultimate Vacuum (mbar/torr)	9/7	9/7	9/7
Ambient Temp. Range (°C)	10-40	10-40	10-40
Max. Back Pressure (Ex/abs) bar	1.1	1.1	1.1
Inlet Connection (mm)	10	10	10
Outlet Connection (mm)	10	10	10
Type of Motor	BLDC	BLDC	BLDC
Rated Motor Power (watts DC)	240	240	240
Dimensions (mm) W x L x H	280 x 217 x 240	280 x 217 x 240	280 x 217 x 240
Weight (kg)	15	15	15
Noise Level (dBA)	45	45	45
CE Mark	Yes	Yes	Yes
ATEX (internal)	II 2G Ex h IIC T3 Gb	II 2G Ex h IIC T3 Gb	II 2G Ex h IIC T3 Gb
Items Supplied	Ready for use	Ready for use	Ready for use
Integrated Digital Vacuum Controller	X	✓	✓
Integrated Inlet Trap & Exhaust Condenser	X	X	✓