

Model AD2C



Model AD4C



Diaphragm Vacuum Pump



Diaphragm Vacuum Pump

Chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapors. Chemically resistant eco-friendly diaphragm pumps are resistant to aggressive solvents and acidic vapors.

The two-stage construction provides the advantageous combination of high pumping speed and low ultimate vacuum. The diaphragms and gas contacting parts consist of PTFE, PTFE Compounds, and ceramic compounds.

Well-proven PTFE sandwich diaphragms are used for increased reliability and extended operating life. The vacuum processes run more effective and is reproducible. The additional pressure reduction allows the distillation of gas mixtures almost automatically and without fractionated operation. This pump is our first and most popular chemistry diaphragm pump, and is the heart of ADITYA pumping systems. The new indigenous pump features further improved performance data and superior vapor tolerance.

Performance features

- Outstanding Chemical Resistance and Superior Vapour Tolerance
- High Performance Even at Low Vacuum Levels
- Optimized Vacuum Even With Gas Ballast
- Whisper Quiet and Low Vibration
- Long Diaphragm Life
- Maintenance Free Drive System



AD2C (7 mbar to 9 mbar)



AD2C (7 mbar to 9 mbar)
Analog Gauge / Controller



AD2C (7 mbar to 9 mbar)
Digital Gauge / Controller



AD4C (2 mbar)
Digital Gauge / Controller



PRODUCT DATASHEET

Technical Specifications

TECHNICAL DATA	UNIT	AD 2C	AD 4C
Number of heads / stages	----	2 / 2	4 / 3
Max. pumping speed at 50 Hz	m ³ /h	2.0	3.4
Max. pumping speed at 50 Hz	cfm	1.2	2.0
Ultimate vacuum (abs.)	mbar/torr	9 / 7	2 / 1.5
Ultimate vac. (abs.) with gas ballast	mbar/torr	14 / 11	5 / 4
Ambient temperature range (operation)	°C	10 - 40	10 - 40
Max. back pressure (EX) (abs.)	bar	1.1	1.1
Inlet connection (IN)	----	10 mm	10 mm
Outlet connection (EX)	----	10 mm	10 mm
Rated motor power	kW	0.18	0.25
Rated speed at 50/60 Hz	min - 1	1440	1440
Dimensions (L x W x H)	mm	243 x 243 x 198	325 x 250 x 200
Weight	kg	11.1	15.0
Noise level at 50 Hz, typ.	dBA	45	45
CE mark	----	Yes	Yes
Items supplied	----	Pump completely Ready for use	Pump completely Ready for use
ATEX	----	II 2G Ex h IIC T3 Gb	I I 2G Ex h IIC T3 Gb

Plot No.28 & 29, Tech Park, Road No.12, IDA Nacharam, Hyderabad-500076.

Email: info@adityascientific.com , Website: www.adityascientific.com , # 91 7207656656