

Provides shops and labs with
Clean Oil-free Vacuum

Recommended for use with TestVonics
ADC Air Data Calibrators

Achieves a base pressure
750 milli Torr (1.0 mbar)

Part Numbers

P/N: ADC-2500-VAC-115

NSN: 4310-01-653-2521

P/N: ADC-2500-VAC-230



ADC-2500 Series Vacuum Pump

TestVonics Vacuum Pump offers an innovative, compact, high-performance, oil-free vacuum with easy system integration that is suitable for a wide variety of applications. The pump employs an innovative hermetic design in which the motor and bearings are outside the vacuum space, allowing full isolation of all pumped gases. Delivering a robust pumping speed of 60 liters/minute and a very low base pressure of less than 250 milli Torr, it is the highest-performing dry pump in its class.

Easy to Integrate with a small footprint, low weight, and low power requirements, this pump is easy to accommodate into any system design. The pump places little additional burden on system utilities and is even suitable for use inside cabinet enclosures. At only 21 pounds, it is lighter than mechanical rotary vane and membrane pumps of similar pumping speed and the lower noise and vibration provide a quieter, more pleasant work environment.

Oil-free, Efficient, Vacuum Source Features

The vacuum pump has the following salient features:

- Oil-free, for no contamination of the vacuum system
- Hermetic design with fully isolated motor and bearings
- Small size: 14.0 x 7.0 x 6.0 inches
- Weighs only 21 pounds
- Lower base pressure than diaphragm pumps
- No mechanisms subject to catastrophic failure
- Low noise and vibration
- Standard Accessories: Male JIC AN6 9/16-18 adapter set, 6 ft Vacuum source hose assembly, Power cord

Vacuum Pump Specifications

Maximum Inlet pressure	1 atm / 1.0 bar / 101 kPa
Maximum Output pressure	1.4 atm / 1.4 bar / 142 kPa
Output Connection	Male JIC 9/16-18 AN6 flared
Exhaust Connection	Female 1/4" NPT <i>Note: 10 mm hose barb provided</i>
Gas Ballast connection	Female 1/8" NPT
Operating temperature	5 to 40°C (41 to 108°F)
Storage temperature	-20 to 60 °C (-4 to 140°F)
Power	1Ø - 100 VAC, 50-60 Hz 115 VAC, 60 Hz 220-240 VAC, 50-60 Hz
Motor thermal protection	Automatic
Rotation speed @ 60 Hz	3200 RPM
Rotation speed @ 50 Hz	2600 RPM
Cooling	Air-cooled
Weight	21 lbs
Restrictions	No corrosive, explosive
Leak rate	<1 x 10 ⁻⁶ std-cc/sec helium
Noise level	55 dB(A)
Vibration level at inlet	1.5 mm/second
Conformity / Compliance	conforms to CE, CSA, CSA/CUS, Semi S2-703, and RoHS

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TestVonic's IDP Series Vacuum Pumps offers an innovative, compact, high-performance, oil-free vacuum with easy system integration that is suitable for a wide variety of applications. The pump employs an innovative hermetic design in which the motor and bearings are outside the vacuum space, allowing full isolation of all pumped gases. Delivering a robust pumping speed of 60 liters/minute and a very low base pressure of less than 250 milli Torr, it is the highest-performing dry pump in its class.

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- Oil-free, for no contamination of the vacuum system
- Hermetic design with fully isolated motor and bearings
- Small size: 14 × 7 × 6 inches Weight: 21 pounds
- Lower base pressure than diaphragm pumps
- No mechanisms subject to catastrophic failure
- Low noise and vibration
- Included: AN6 connection adapter, 6 ft Vacuum hose and power cord



IDP Series
P/N: ADC-2500-VAC-115
NSN: 4310-01-653-2521



IDP Series (left) for ADC-2500 Series and SH Series (right) P/N: ADC-2500-VAC2 can be used for an entire lab. Contact TestVonic's for details.

