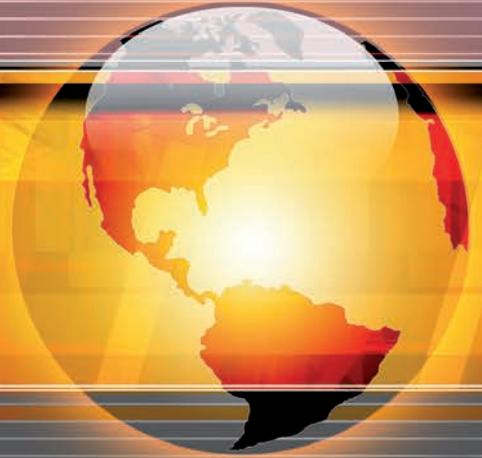




PRODUCT CATALOGUE
2012



RV5 Two Stage Rotary Vane Pump

Edwards RV pumps have become the industry standard for scientific primary pumping applications. RV pumps are uniquely capable of delivering high or low throughputs with high ultimate vacuum. This, combined with ultra-low noise levels, makes them ideal for a wide range of applications including GCMS and other small bench top type applications.

All pumps are approved to UL and CSA standards by an external test house. Edwards has a global network, providing world-wide support for product applications and service.

Supplied with: 1 litre of Ultragrade 19 oil, inlet filter and O-ring. Fomblin® must be purchased separately for PFPE RV pumps.



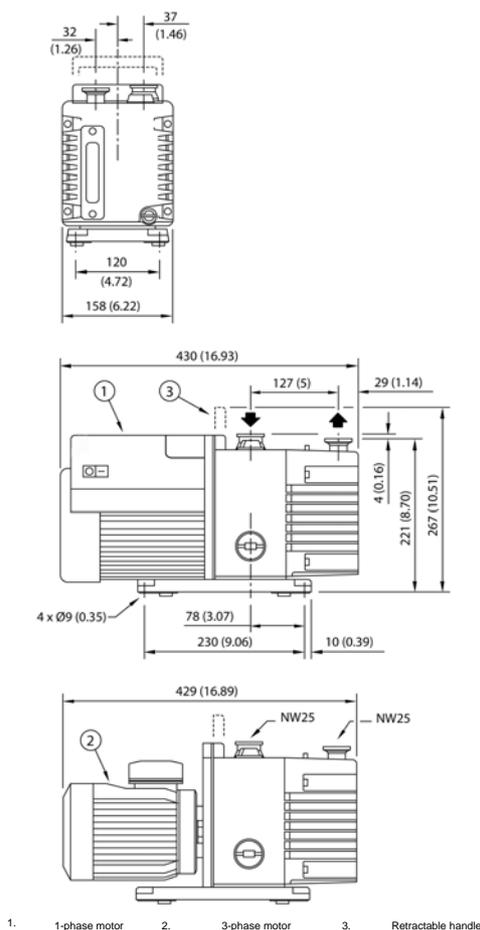
Features & Benefits

- 48 dBA and intrusive frequencies minimised.
- Dual mode. Suitable for high throughput and high vacuum applications.
- Easy-to-use gas ballast.
- Fast acting inlet valve for system protection.
- High torque, dual voltage/dual frequency motor, electronic start relay.

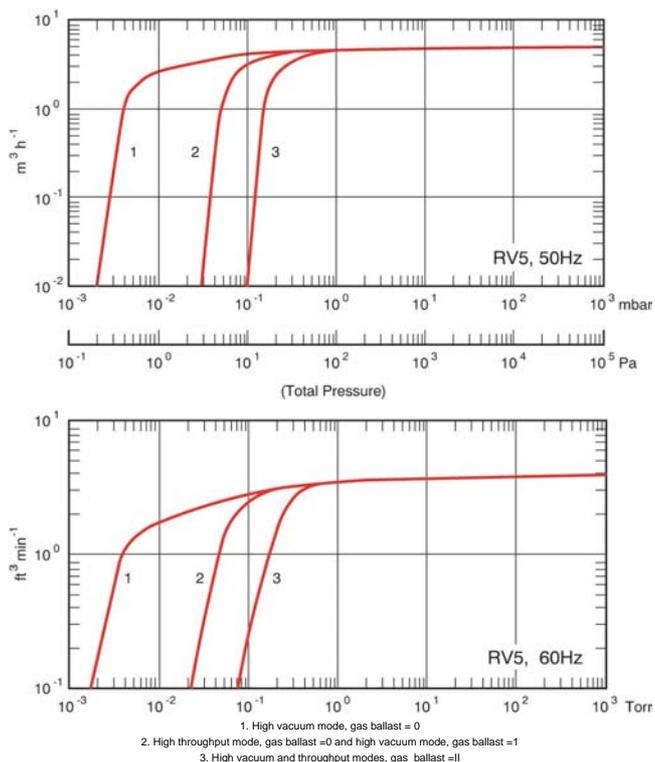
Applications

- Analytical instruments
- Centrifuges, ultra-high speed
- Coating
- Degassing/curing - oil, epoxy resin
- Distillation/extraction/filtration

Dimensions



Performance Curves



Technical Data

Displacement	
50Hz	5.8 m ³ h ⁻¹ / 3.4 ft ³ min ⁻¹
60Hz	7.0 m ³ h ⁻¹ / 4.1 ft ³ min ⁻¹
Speed (Pneurop 6602)	
50Hz	5.1 m ³ h ⁻¹ / 3.0 ft ³ min ⁻¹
60Hz	6.2 m ³ h ⁻¹ / 3.7 ft ³ min ⁻¹
Ultimate pressure	2.0 x 10 ⁻³ mbar / 1.5 x 10 ⁻³ Torr
Ultimate pressure GB I	3.0 x 10 ⁻² mbar / 2.3 x 10 ⁻² Torr
Ultimate pressure GB II	1.0 x 10 ⁻¹ mbar / 7.5 x 10 ⁻² Torr
Ultimate Pressure with Fomblin®	2.0 x 10 ⁻² mbar / 1.5 x 10 ⁻² Torr
Max inlet pressure for water vapour	50 mbar / 38 Torr
Max water vapour pumping rate – GB I	60 gh ⁻¹
Max water vapour pumping rate – GB II	220 gh ⁻¹
Max allowed outlet pressure	1 bar gauge / 14 psig
Max allowed inlet and gas ballast pressure	0.5 bar gauge / 7 psig
Motor power 50/60Hz	450 / 550W
Power connector 1-ph	IEC EN60320 C13
Nominal rotation speed 50/60Hz	1500 / 1800rpm
Weight (without oil)	25 kg / 55 lb
Oil capacity min/max	0.42/0.7 litres
Recommended oil	Ultragrade 19
Inlet flange	NW25
Exhaust flange	NW25
Noise level	48 dBA @ 50 Hz
Operating temperature range	12 – 40 °C

Ordering Information

Product Description	Order No.
RV5 115/230V, 1-ph, 50/60Hz, Factory set to 230V for Europe	A65301903
RV5 100/200V, 1-ph, 50/60Hz, Factory set to 200V for Japan	A65301904
RV5 200-220/380-415V, 3-ph, 50Hz and 200-230/460V, 3-ph, 60Hz, Factory set to 380/460V	A65301905
RV5 115/230V, 1-ph, 50/60Hz, Factory set to 115V for USA	A65301906
PFPE RV5 115/230V, 1-ph, 50/60Hz, Factory set to 230V for Europe	A65309903
PFPE RV5 100/200V, 1-ph, 50/60Hz, Factory set to 200V for Japan	A65309904
PFPE RV5 200-220/380-415V, 3-ph, 50Hz and 200-230/460V, 3-ph, 60Hz, Factory set to 380/460V	A65309905
PFPE RV5 115/230V, 1-ph, 50/60Hz, Factory set to 115V for USA	A65309906
Accessories & Spares	Order No.
2m electrical supply cable for 1-ph pumps, UK, Three-pin plug	A50505000
2m electrical supply cable for 1-ph pumps, North European plug	A50506000
2m electrical supply cable for 1-ph pumps, North America/Japan plug	A50507000
2m electrical supply cable for 1-ph pumps, no plug	A50508000
RV gas-ballast adaptor	A50502000
RV exhaust nozzle kit	A50509000
Model EMF10 mist filter	A46226000
Clean and overhaul kit	A65201131
Clean and overhaul kit (Nitrile)	A65201137
Spares Kit Blade RV5	A65301130
Outer Shaft Seal Kit RV	A65201134
Spares Kit Inlet Valve RV3/5/8/12	A65201036
Spares Kit Cartridge RV5	A65301032