

## Value VRI-series of dual stage rotary vacuum pumps

*Reliable, compact vacuum pumps for laboratory and production applications*

The Value VRI series of compact and lightweight dual stage rotary vacuum pumps have been designed for a wide range of laboratory, R&D and production vacuum applications. These pumps include an integrated solenoid valve to prevent oil suck-back when the pump is switched off. Built-in forced-oil lubrication pumping ensures stable and reliable operation whilst maintaining high pumping speeds. Available in three sizes with 2, 4 and 8m<sup>3</sup>/hr pumping speeds. Built to a high standard these pumps offer a great specification combined with affordable pricing.



Applications include pumping sputter coating systems, laboratory vacuum equipment, degassing systems, vacuum desiccators, vacuum moulding systems, vacuum chucks, vacuum ovens, freeze dry/vacuum packaging.

They are also ideal as backing pumps for high vacuum systems.

### Features

- Dual stage pump
- Integrated solenoid shut-off valve - prevents oil suck-back
- Forced-oil lubrication - ensures stable and reliable operation
- Ultimate vacuum: 10<sup>-2</sup> mbar
- Models for 2, 4 or 8 m<sup>3</sup>/hr pumping speeds
- Space saving design with anti-vibration feet
- Compact, portable, lightweight with a carrying handle

## Specifications

Model	Value VRI-2	Value VRI-4	Value VRI-8
Product number	60-004020	60-004040	60-004080
Pumping speed	2 m <sup>3</sup> /hr 0.55 L/sec	4 m <sup>3</sup> /hr 1.1 L/sec	8m <sup>3</sup> /hr 2.2 L/Sec
Ultimate vacuum	3 x 10 <sup>-2</sup> mbar (3 Pa)	3 x 10 <sup>-2</sup> mbar (3 Pa)	3 x 10 <sup>-2</sup> mbar (3 Pa)
Vacuum inlet	KF 16	KF16	KF25
Exhaust	KF 16	KF16	KF25
Solenoid valve	Yes	Yes	Yes
Stages	Two	Two	Two
Service temperature	5-40°C	5-40°C	5-40°C
Noise level at vacuum	<62 dB	<62 dB	<65 dB
Oil capacity	0.2 L	0.3 L	0.5 L
Oil type	P3 vacuum oil	P3 vacuum oil	P3 vacuum oil
Motor speed	1440 rpm	1440 rpm	1440 rpm
Power requirements	250W/230V/50Hz	370W/230V/50Hz	550W/230V/50Hz
Dimensions (L x W x H)	318x124x234 mm	337x138x244 mm	395x145x257 mm
Weight	9 kg	11 kg	17 kg
Service-kit	60-004022	60-004042	60-004082

## VRI series pumping characteristics

