

Part No.

V79004

BUSCH R5 PB 0004 C · Oil-Lubricated Rotary Vane Vacuum Pump



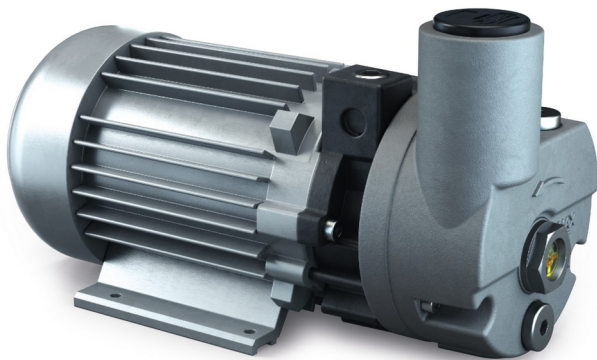
DESCRIPTION

The V79004 is the most compact oil-lubricated rotary vane vacuum pump in ATL Composites' range, supplied as part of the BUSCH® R5 range. Designed and manufactured in Germany by Busch Vacuum Solutions, it delivers a nominal pumping speed of 4.0 m³/hr at 50 Hz down to an ultimate pressure of 2.0 hPa — a far deeper vacuum than any dry vane pump, in a 5.2 kg block-construction unit that sits on a bench or trolley. It suits resin degassing, small-part infusion, vacuum clamping and test or laboratory work.

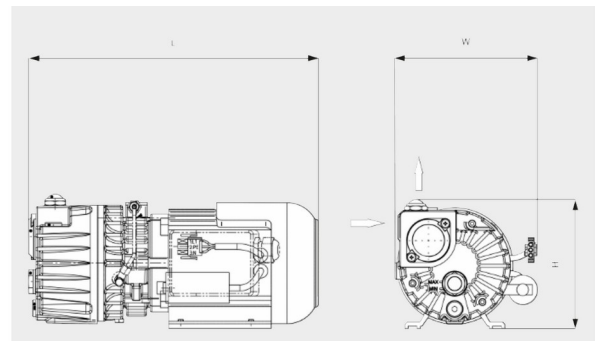
The pump circulates 0.06 litre of vacuum pump oil to seal, cool and lubricate the pumping chamber — so unlike ATL's dry vane range it requires periodic oil and filter changes, and an inlet filter and catch pot should always be fitted to keep resin and solvent carry-over out of the pump. ATL supplies the V79004 ready for workshop connection — pre-wired for 240 V single-phase operation and fitted as standard with a liquid-filled vacuum gauge, air bleed ball valve, cassette filter and 3-pin plug and lead.

BENEFITS

- Oil-lubricated rotary vane design pulls to 2.0 hPa — deep enough for resin degassing and small-part infusion
- Block construction keeps height and weight down — fits benches, trolleys and confined workshop spaces
- Low noise level for a pump of this capacity — comfortable to run alongside a laminating bench
- Robust construction with highly durable vanes and proven rotary vane technology for a long service life
- Supplied ready to run: 240 V single phase with gauge, air bleed valve, cassette filter and 3-pin plug
- Specified, supplied and supported by ATL Composites, exclusive BUSCH® distributor to the marine and composites industry



BUSCH R5 PB series oil-lubricated rotary vane vacuum pump



Dimensional drawing — L 248 x W 172 x H 141 mm

TECHNICAL DATA

PUMP TYPE	Oil-lubricated rotary vane vacuum pump
BUSCH MODEL	R5 PB 0004 C
NOMINAL PUMPING SPEED	4.0 / 4.8 m ³ /h (50 / 60 Hz)
ULTIMATE PRESSURE	2.0 hPa (mbar) (50 / 60 Hz)
NOMINAL MOTOR RATING	0.10 / 0.12 kW (50 / 60 Hz)
NOMINAL MOTOR SPEED	3000 / 3600 min ⁻¹ (50 / 60 Hz)
SOUND PRESSURE LEVEL (ISO 2151)	55 / 61 dB(A) (50 / 60 Hz), K _{pA} = 3 dB

TECHNICAL DATA

OIL CAPACITY	0.06 litre
WEIGHT (APPROX.)	5.2 kg
DIMENSIONS (L X W X H)	248 x 172 x 141 mm
GAS INLET	G ¼"
POWER SUPPLY	240 V single phase — supplied with 3-pin plug and lead
LUBRICATION	Oil-flooded — requires periodic oil and filter changes
SUPPLIED AS STANDARD	Liquid-filled vacuum gauge; air bleed ball valve and filter; cassette-type filter; 3-pin plug and lead
OPTIONS / ACCESSORIES	Various inlet filters; Busch vacuum pump oils for all applications. Note: the gas-ballast valve option is not available on the R5 PB 0004 C.
MATERIALS TO AVOID	Uncured resin/styrene carry-over, solvent vapours, water and abrasive dust — always fit an inlet filter and catch pot
STORAGE	Store dry and dust-free, indoors, between 0 °C and 40 °C

ATL PART NO.	BUSCH MODEL	NOMINAL PUMPING SPEED (50 / 60 Hz)	ULTIMATE PRESSURE	NOMINAL MOTOR RATING
V79004	R5 PB 0004 C	4.0 / 4.8 m³/h	2.0 hPa (mbar)	0.10 / 0.12 kW
V79020	R5 PB 0008 C	8.0 / 9.6 m³/h	2.0 hPa (mbar)	0.35 / 0.45 kW
V79025	R5 RA 0025 F	25 / 30 m³/h	0.1 ... 0.5 hPa (mbar)	1.0 / 1.2 kW
V79040	R5 RA 0040 F	40 / 48 m³/h	0.1 ... 0.5 hPa (mbar)	1.4 / 1.7 kW

Oil-lubricated and dry vane pumps are not interchangeable. ATL's dry vane range (V78008–V78040) pulls to 120–150 hPa and needs no operating fluid — the right choice for vacuum bagging, bonding and veneering. The oil-lubricated R5 range above pulls to 2.0 hPa (PB) or 0.1 hPa (RA) and requires oil maintenance — the right choice where resin infusion or degassing demands a deeper, more stable vacuum. Contact ATL to confirm the correct pump for your mould size, process and cycle time.

DISCLAIMER

The information in this Technical Data Sheet is provided in good faith as general guidance only. Values stated are typical properties and should not be interpreted as guaranteed performance, specification limits, or design data. Product performance may vary depending on manufacturing processes, application methods, service conditions, storage, handling, and other factors beyond the control of ATL Composites Pty Ltd.

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