

COMBI BR

Vacuum Pump Units



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



Reliable

Vacuum pump units with robust and proven R5 backing pumps enhanced by PANDA/PUMA vacuum boosters, reliable operation, minimal maintenance

High performance

High pumping speeds at low ultimate pressures, short pump-down time, higher energy efficiency compared to a single vacuum pump

Flexible

Various design options available, different combinations of backing pumps and vacuum boosters possible, minimized footprint

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	BRV 0500 C A200 AA	BRV 0500 C A240 AA	BRV 1200 A A240 AA	BRV 1200 A A360 AA
PANDA vacuum booster	WV 0500 C	WV 0500 C	WV 1200 A	WV 1200 A
R5 rotary vane vacuum pump	RA 0200 A	RA 0240 A	RA 0240 A	RA 0360 A
Pumping speed at 1 mbar	465 / 555 m³/h (50 / 60 Hz)	470 / 560 m³/h (50 / 60 Hz)	875 / 1050 m³/h (50 / 60 Hz)	910 / 1090 m³/h (50 / 60 Hz)
Ultimate pressure	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)
Nominal motor rating	6.2 / 7.8 kW (50 / 60 Hz)	7.7 / 9.6 kW (50 / 60 Hz)	9 / 11.4 kW (50 / 60 Hz)	11 / 14 kW (50 / 60 Hz)
Weight approx.	390 kg	390 kg	530 kg	550 kg

	BRV 1800 A A360 AA	BRV 1800 A 0520 AA	BRV 2400 A A360 AB
PANDA vacuum booster	WV 1800 A	WV 1800 A	WV 2400 A
R5 rotary vane vacuum pump	RA 0360 A	RA 0520 A	RA 0360 A
Pumping speed at 1 mbar	1295 / 1545 m³/h (50 / 60 Hz)	1390 / 1670 m³/h (50 / 60 Hz)	1675 / 2000 m³/h (50 / 60 Hz)
Ultimate pressure	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)
Nominal motor rating	11.8 / 14.4 kW (50 / 60 Hz)	15.3 / 17.7 kW (50 / 60 Hz)	13.0 / 16.2 kW (50 / 60 Hz)
Weight approx.	560 kg	750 kg	820 kg

	BRV 2400 A 0520 AA	BRV 2400 A 0630 CA	BRV 4500 B 0630 CB
PANDA vacuum booster	WV 2400 A	WV 2400 A	WV 4500 B
R5 rotary vane vacuum pump	RA 0520 A	RA 0630 C	RA 0630 C
Pumping speed at 1 mbar	1815 / 2180 m³/h (50 / 60 Hz)	1900 / 2250 m³/h (50 / 60 Hz)	3550 / 4220 m³/h (50 / 60 Hz)
Ultimate pressure	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)	$\leq 1 \cdot 10^{-2} / \leq 1 \cdot 10^{-2}$ hPa(mbar) (50 / 60 Hz)
Nominal motor rating	16.5 / 19.5 kW (50 / 60 Hz)	20.5 / 25.5 kW (50 / 60 Hz)	28.5 / 33.5 kW (50 / 60 Hz)
Weight approx.	1050 kg	1250 kg	1500 kg

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