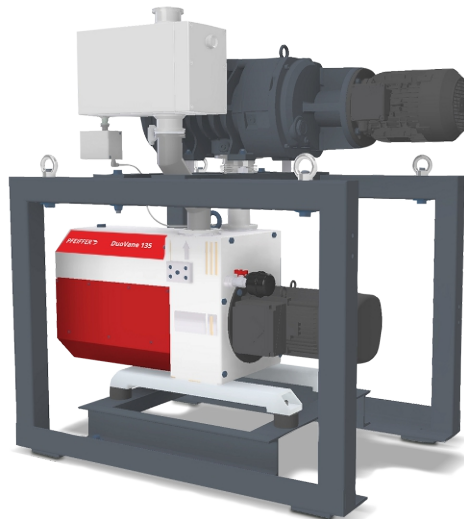


COMBI WVD

Vacuum pump unit

PFEIFFER 
VACUUM+FAB SOLUTIONS

Part of the **BUSCH** GROUP



Reliable

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

High performance

High pumping speed at low ultimate pressures, fast pump-down times

Flexible

Various design options available, different combinations of oil-lubricated rotary vane backing pumps and vacuum boosters possible

Accessories, spare parts and options

- Control unit for booster and backing pump
- Oil mist separator
- OFC (Chemical oil filter)
- OFM (Mechanical oil filter)
- Gas-ballast valve kit
- Operations monitoring unit
- SAS (Dust separator)
- KAS (Condensate separator)
- Various feet (height-adjustable machine foot, castor wheels, floor mounting)

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	COMBI WVD 0220	COMBI WVD 0235	COMBI WVD 0245	COMBI WVD 0400
Vacuum booster	PANDA WV 0250 C	PANDA WV 0250 C	PANDA WV 0250 C	PANDA WV 0500 C
Backing pump	DuoVane 36	DuoVane 70	DuoVane 135	DuoVane 70
Pumping speed at 1 hPa(mbar)	200 / 247 m³/h (50/60 Hz)	225 / 271 m³/h (50/60 Hz)	234 / 284 m³/h (50/60 Hz)	426 / 512 m³/h (50/60 Hz)
Ultimate pressure	1.5 · 10 ⁻³ hPa (mbar)	1.6 · 10 ⁻³ hPa (mbar)	1.7 · 10 ⁻³ hPa (mbar)	1.2 · 10 ⁻³ hPa (mbar)
Ultimate pressure with gas ballast valve	1.7 · 10 ⁻³ hPa (mbar)	1.8 · 10 ⁻³ hPa (mbar)	2 · 10 ⁻³ hPa (mbar)	1.3 · 10 ⁻³ hPa (mbar)
Max. power consumption	1.15 kW	1.15 kW	1.15 kW	2.45 kW
Input voltage	400 V AC (±10 %), 50 Hz 460 V AC (±10 %), 60 Hz	400 V AC (±10 %), 50 Hz 460 V AC (±10 %), 60 Hz	400 V AC (±10 %), 50 Hz 460 V AC (±10 %), 60 Hz	400 V AC (±10 %), 50 Hz 460 V AC (±10 %), 60 Hz
Weight approx.	218 kg	270 kg	575 kg	240 kg
Gas inlet / outlet	DN 100 ISO-F / DN 40 ISO-KF	DN 100 ISO-F / DN 40 ISO-KF	DN 100 ISO-F / DN 63 ISO-F	DN 100 ISO-F / DN 40 ISO-KF

	COMBI WVD 0440	COMBI WVD 0470	COMBI WVD 0900	COMBI WVD 0950
Vacuum booster	PANDA WV 0500 C	PANDA WV 0500 C	PANDA WV 1200 A	PANDA WV 1200 A
Backing pump	DuoVane 135	DuoVane 300	DuoVane 135	DuoVane 300
Pumping speed at 1 hPa(mbar)	458 / 551 m³/h (50/60 Hz)	478 / 576 m³/h (50/60 Hz)	825 / 998 m³/h (50/60 Hz)	916 / 1105 m³/h (50/60 Hz)
Ultimate pressure	1.3 · 10 ⁻³ hPa (mbar)	1.3 · 10 ⁻³ hPa (mbar)	9.2 · 10 ⁻⁴ hPa (mbar)	8.9 · 10 ⁻⁴ hPa (mbar)
Ultimate pressure with gas ballast valve	1.5 · 10 ⁻³ hPa (mbar)	1.7 · 10 ⁻³ hPa (mbar)	1.1 · 10 ⁻³ hPa (mbar)	1.1 · 10 ⁻³ hPa (mbar)
Max. power consumption	2.45 kW	2.45 kW	4.87 kW	4.87 kW
Input voltage	400 V AC (±10 %), 50 Hz 460 V AC (±10 %), 60 Hz	400 V AC (±10 %), 50 Hz 460 V AC (±10 %), 60 Hz	400 V AC (±10 %), 50 Hz 460 V AC (±10 %), 60 Hz	400 V AC (±10 %), 50 Hz 460 V AC (±10 %), 60 Hz
Weight approx.	550 kg	720 kg	650 kg	900 kg
Gas inlet / outlet	DN 100 ISO-F / DN 63 ISO-F	DN 100 ISO-F / DN 100 ISO-F	DN 160 ISO-F / DN 63 ISO-F	DN 160 ISO-F / DN 100 ISO-F

	COMBI WVD 1800	COMBI WS 0245 WV2D	COMBI WS 0440 WV2D	COMBI WS 0900 WV2D
Vacuum booster	PANDA WV 2200 A	PANDA WV 0250 C	PANDA WV 0500 C	PANDA WV 1200 A
Backing pump	DuoVane 300	2x DuoVane 70	2x DuoVane 70	2x DuoVane 70
Pumping speed at 1 hPa(mbar)	1646 / 2006 m³/h (50/60 Hz)	235 / 284 m³/h (50/60 Hz)	462 / 554 m³/h (50/60 Hz)	849 / 1014 m³/h (50/60 Hz)
Ultimate pressure	7.2 · 10 ⁻⁴ hPa (mbar)	1.6 · 10 ⁻³ hPa (mbar)	1.2 · 10 ⁻³ hPa (mbar)	8.2 · 10 ⁻⁴ hPa (mbar)

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	COMBI WVD 1800	COMBI WS 0245 WV2D	COMBI WS 0440 WV2D	COMBI WS 0900 WV2D
Ultimate pressure with gas ballast valve	$9.5 \cdot 10^{-4}$ hPa (mbar)	$1.8 \cdot 10^{-3}$ hPa (mbar)	$1.3 \cdot 10^{-3}$ hPa (mbar)	$9.7 \cdot 10^{-4}$ hPa (mbar)
Max. power consumption	5.65 kW	1.15 kW	2.45 kW	4.87 kW
Input voltage	400 V AC ($\pm 10\%$), 50 Hz 460 V AC ($\pm 10\%$), 60 Hz	400 V AC ($\pm 10\%$), 50 Hz 460 V AC ($\pm 10\%$), 60 Hz	400 V AC ($\pm 10\%$), 50 Hz 460 V AC ($\pm 10\%$), 60 Hz	400 V AC ($\pm 10\%$), 50 Hz 460 V AC ($\pm 10\%$), 60 Hz
Weight approx.	1025 kg	450 kg	450 kg	570 kg
Gas inlet / outlet	DN 160 ISO-F / DN 100 ISO-F	DN 100 ISO-F / DN 40 ISO-KF	DN 100 ISO-F / DN 40 ISO-KF	DN 160 ISO-F / DN 40 ISO-KF

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!



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