

COMBI BN

Vacuum Pump Units



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



Reliable

Vacuum pump units with robust and proven COBRA backing pumps enhanced by PANDA 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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	BNV 0500 C 0100 BA	BNV 0500 C 0200 BA	BNV 0500 C 0300 BA
PANDA vacuum booster	WV 0500 C	WV 0500 C	WV 0500 C
COBRA dry screw vacuum pump	NC 0100 B	NC 0200 B	NC 0300 B
Pumping speed at 1 mbar	270.7 / 323.7 ACFM (50 / 60 Hz)	282.5 / 338.4 ACFM (50 / 60 Hz)	285.4 / 341.3 ACFM (50 / 60 Hz)
Ultimate pressure	$\leq 0.75 \cdot 10^{-3} / \leq 3.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-3} / \leq 3.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-3} / \leq 3.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)
Nominal motor rating	7.6 / 10.5 hp (50 / 60 Hz)	11.0 / 14.2 hp (50 / 60 Hz)	13.0 / 16.8 hp (50 / 60 Hz)
Weight approx.	1100 Lbs. (50 / 60 Hz)	1320 Lbs. (50 / 60 Hz)	1320 Lbs. (50 / 60 Hz)

	BNV 1200 A 0200 BA	BNV 1200 A 0300 BA	BNV 1200 A 0400 BB	BNV 1200 A 0450 AA
PANDA vacuum booster	WV 1200 A	WV 1200 A	WV 1200 A	WV 1200 A
COBRA dry screw vacuum pump	NC 0200 B	NC 0300 B	NC 0400 B	NX 0450 A
Pumping speed at 1 mbar	532.6 / 647.4 ACFM (50 / 60 Hz)	553.2 / 665.0 ACFM (50 / 60 Hz)	559.1 / 662.1 ACFM (50 / 60 Hz)	559.1 / 676.8 ACFM (50 / 60 Hz)
Ultimate pressure	$\leq 0.75 \cdot 10^{-3} / \leq 3.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-3} / \leq 3.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-3} / \leq 3.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-2} / \leq 0.75 \cdot 10^{-2}$ TORR (50 / 60 Hz)
Nominal motor rating	12.1 / 15.6 hp (50 / 60 Hz)	14.1 / 18.1 hp (50 / 60 Hz)	14.1 / 18.1 hp (50 / 60 Hz)	14.1 / 18.1 hp (50 / 60 Hz)
Weight approx.	1540 Lbs. (50 / 60 Hz)	1540 Lbs. (50 / 60 Hz)	1760 Lbs. (50 / 60 Hz)	1760 Lbs. (50 / 60 Hz)

	BNV 1800 A 0300 BA	BNV 1800 A 0450 AA
PANDA vacuum booster	WV 1800 A	WV 1800 A
COBRA dry screw vacuum pump	NC 0300 B	NX 0450 A
Pumping speed at 1 mbar	803.3 / 941.6 ACFM (50 / 60 Hz)	806.2 / 982.8 ACFM (50 / 60 Hz)
Ultimate pressure	$\leq 0.75 \cdot 10^{-3} / \leq 3.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-2} / \leq 0.75 \cdot 10^{-2}$ TORR (50 / 60 Hz)
Nominal motor rating	15.4 / 19.4 hp (50 / 60 Hz)	15.4 / 19.4 hp (50 / 60 Hz)
Weight approx.	1540 Lbs. (50 / 60 Hz)	1760 Lbs. (50 / 60 Hz)

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	BNV 2400 A 0400 BB	BNV 2400 A 0450 AA	BNV 2400 A 0630 CB	BNV 2400 A 0650 AA
PANDA vacuum booster	WV 2400 A	WV 2400 A	WV 2400 A	WV 2400 A
COBRA dry screw vacuum pump	NC 0400 B	NX 0450 A	NC 0630 C	NX 0650 A
Pumping speed at 1 mbar	1053.4 / 1271.1 ACFM (50 / 60 Hz)	1050.5 / 1271.1 ACFM (50 / 60 Hz)	1112.3 / 1324.1 ACFM (50 / 60 Hz)	1112.3 / 1324.1 ACFM (50 / 60 Hz)
Ultimate pressure	$\leq 0.75 \cdot 10^{-3} / \leq 3.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-2} / \leq 0.75 \cdot 10^{-2}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-3} / \leq 0.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-2} / \leq 0.75 \cdot 10^{-2}$ TORR (50 / 60 Hz)
Nominal motor rating	17.4 / 22.1 hp (50 / 60 Hz)	17.4 / 22.1 hp (50 / 60 Hz)	27.5 / 32.2 hp (50 / 60 Hz)	27.5 / 32.2 hp (50 / 60 Hz)
Weight approx.	2750 Lbs. (50 / 60 Hz)	2750 Lbs. (50 / 60 Hz)	3300 Lbs. (50 / 60 Hz)	3300 Lbs. (50 / 60 Hz)

	BNV 4500 B 0630 CB	BNV 4500 B 0650 AA
PANDA vacuum booster	WV 4500 B	WV 4500 B
COBRA dry screw vacuum pump	NC 0630 C	NX 0650 A
Pumping speed at 1 mbar	2492.3 ACFM (50 / 60 Hz)	2139.2 / 2501.1 ACFM (50 / 60 Hz)
Ultimate pressure	$\leq 0.75 \cdot 10^{-3} / \leq 0.75 \cdot 10^{-3}$ TORR (50 / 60 Hz)	$\leq 0.75 \cdot 10^{-2} / \leq 0.75 \cdot 10^{-2}$ TORR (50 / 60 Hz)
Nominal motor rating	34.9 / 39.7 hp (50 / 60 Hz)	34.9 / 39.7 hp (50 / 60 Hz)
Weight approx.	3300 Lbs. (50 / 60 Hz)	3300 Lbs. (50 / 60 Hz)

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Get in touch with us directly!
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