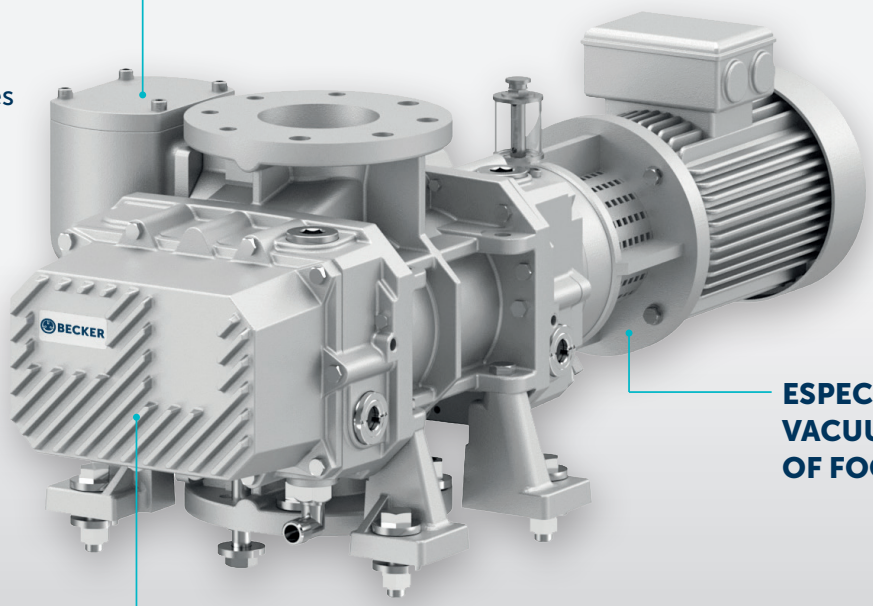
DATA SHEET

RBP 500/1000/2000
ROOTS BOOSTER VACUUM PUMPS

contactless and oil-free compressing
air-cooled

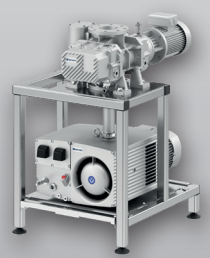
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INTEGRATED BYPASS VALVE
as a backup for packaging processes with quick cycling times



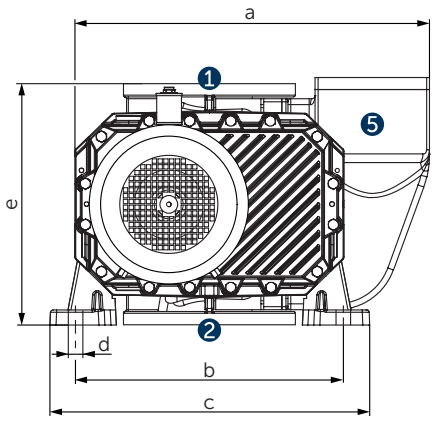
ESPECIALLY FOR THE VACUUM PACKAGING OF FOOD

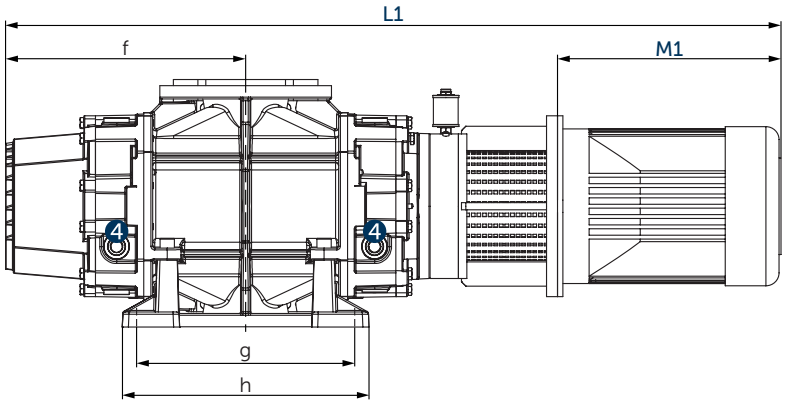
AS PUMP STAND THE MORE EFFICIENT SOLUTION FOR INCREASED EVACUATION SPEEDS
compared to vacuum pumps which are integrated into packaging machines

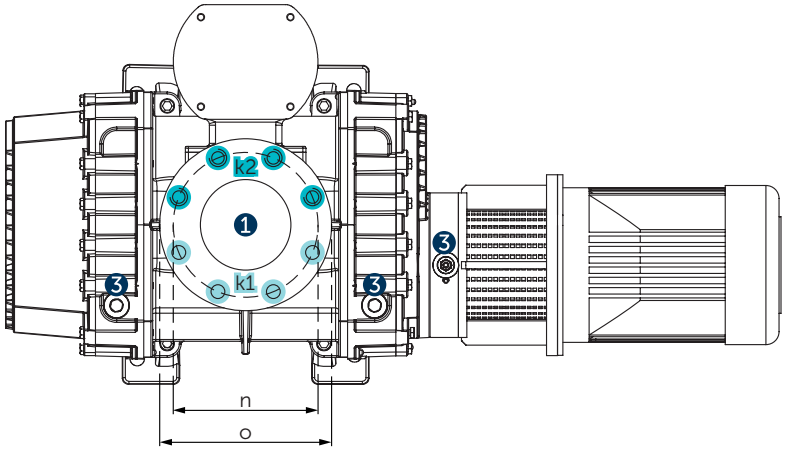


Booster pump stand

BECKER







1 Vacuum connection
2 Connection rotary vane vacuum pump
Connection sizes:
RBP 500 = DN100 PN10 DIN 2532
RBP 1000 = DN100 PN10 DIN 2532
RBP 2000 = DN150 PN10 DIN 2532

3 Oil filling
4 Oil sight glas
5 Bypass valve
L Overall device length L1 with motor. L1 and M1 are variable, see separate motor specification sheet.
- The motor illustration may vary.
- Dimensions in mm

	a	b	c	d	e	f	g	h	k1	k2	n	o
RBP 500	370	290	366	18	320	291	230	270	Ø18	M16	Ø180	Ø220
RBP 1000	455	354	426	18	350	350	282	327	Ø18	M16	Ø180	Ø220
RBP 2000	585	444	534	24	400	398	362	412	Ø23	M20	Ø240	Ø285

	Nominal capacity		Differential pressure		Installed motor power		Emission sound pressure level [1]		Weight w/o motor	Oil [2]
	m^3/h		Δp mbar		kW		dB(A)		kg	l
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
RBP 500	500	600	60	60	2.2–3.0	2.2–3.0	73	78	≈141	≈1.7
RBP 1000	1000	1200	60	60	4.0–5.5	4.0–5.5	74	78	≈228	≈2.6
RBP 2000	2000	2400	60	60	5.5–7.5	5.5–7.5	74	79	≈360	≈4.8

[1] DIN EN ISO 2151, tolerance ±2 dB(A)
[2] Becker Lube G 220
- The Roots pumps can only be used in combination with oil-lubricated rotary vane vacuum pumps.

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