DATA SHEET

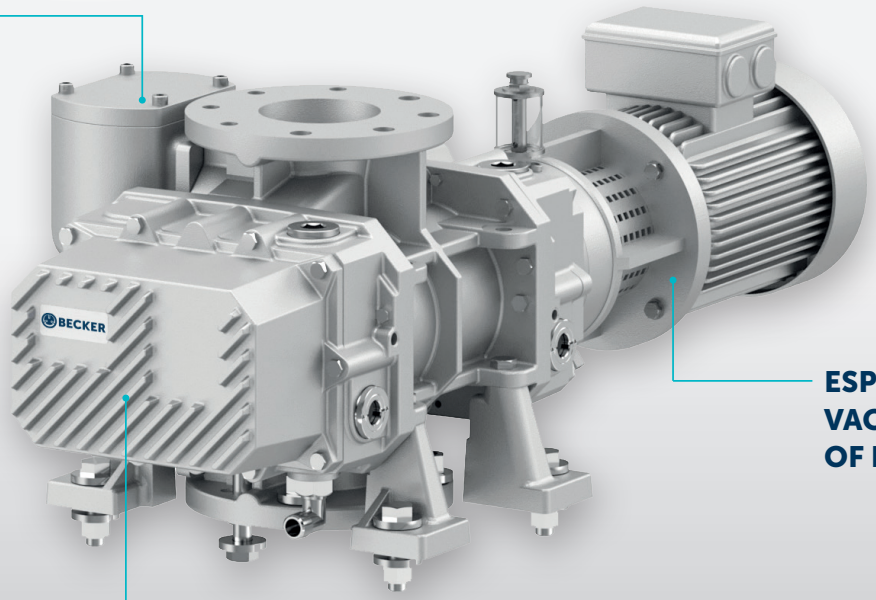
RBP 500/1000/2000

ROOTS BOOSTER VACUUM PUMPS

contactless and oil-free compressing
air-cooled

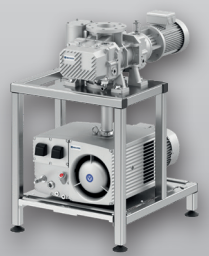
MAKE IT BECKER.

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



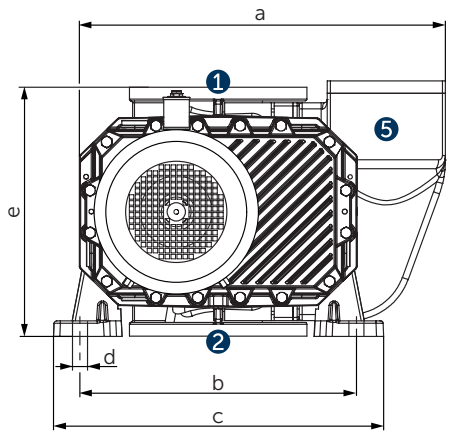
ESPECIALLY FOR THE VACUUM PACKAGING OF FOOD

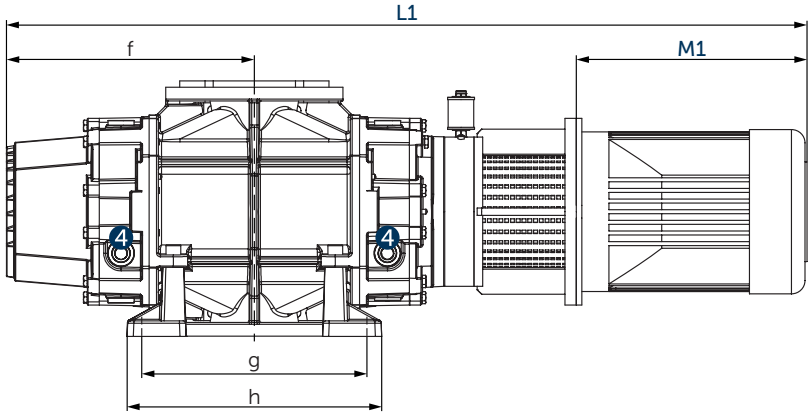
AS PUMP STAND THE MORE EFFICIENT SOLUTION FOR INCREASED EVACUATION SPEEDS
compared to vacuum pumps which are integrated into packaging machines

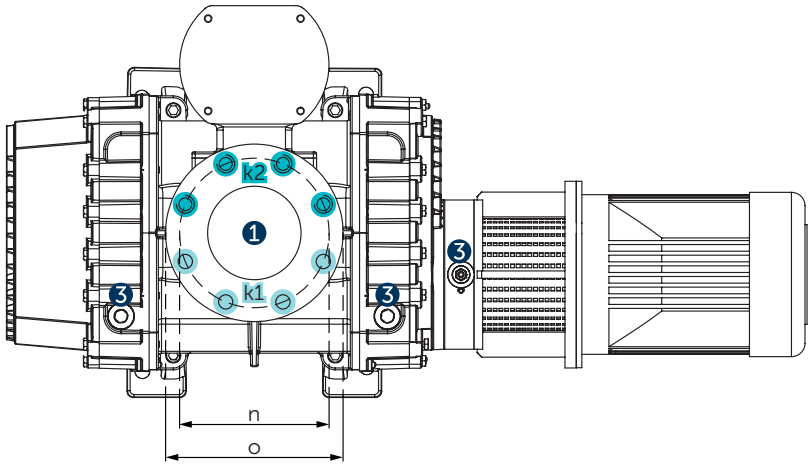


Booster pump stand

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 inch

	a	b	c	d	e	f	g	h	k1	k2	n	o
RBP 500	14.6	11.4	14.4	0.7	12.6	11.5	9.1	10.6	Ø0.7	M16	Ø7.1	Ø8.7
RBP 1000	17.9	13.9	16.8	0.7	13.8	13.8	11.1	12.9	Ø0.7	M16	Ø7.1	Ø8.7
RBP 2000	23.0	17.5	21.0	0.9	15.8	15.7	14.3	16.2	Ø0.9	M20	Ø9.5	Ø11.2

	Nominal capacity		Differential pressure		Installed motor power		Emission sound pressure level [1]		Weight w/o motor	Oil [2]
	CFM		Δp in. HgV		hp		dB(A)		lbs	U.S. gal.
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
RBP 500	294	353	1.77	1.77	3.0–4.0	3.0–4.0	73	78	≈141	≈0.5
RBP 1000	588	706	1.77	1.77	5.4–7.4	5.4–7.4	74	78	≈228	≈0.7
RBP 2000	1176	1412	1.77	1.77	7.4–10.1	7.4–10.1	74	79	≈360	≈1.3

[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.

Right of modification reserved 2023-07-27

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