



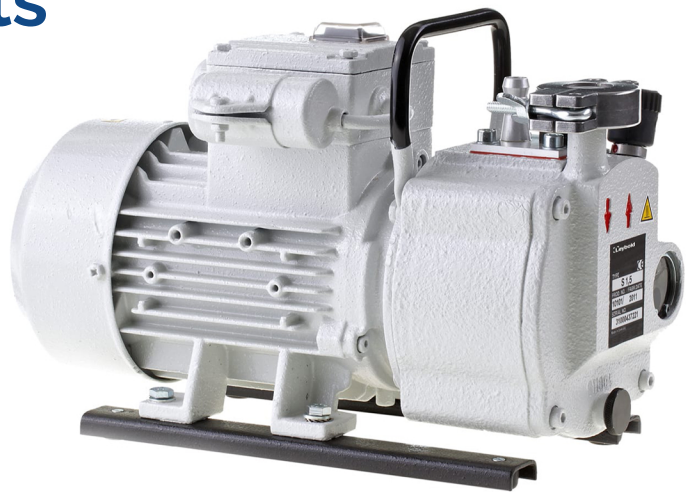
Leybold S-1.5

Technical Specifications

		S 1,5	
		50 Hz	60 Hz
Nominal pumping speed ¹⁾	m ³ /h (cfm)	1.9 (1.1)	2.3 (1.3)
Pumping speed ¹⁾	m ³ /h (cfm)	1.75 (1)	2.1 (1.2)
Ultimate partial pressure without gas ballast ¹⁾	mbar (Torr)	3 x 10 ⁻² (2.3 x 10 ⁻²)	3 x 10 ⁻² (2.3 x 10 ⁻²)
Ultimate total pressure with gas ballast ¹⁾	mbar (Torr)	5 x 10 ⁻¹ (3.8 x 10 ⁻¹)	5 x 10 ⁻¹ (3.8 x 10 ⁻¹)
Water vapor tolerance ¹⁾	mbar (Torr)	> 15 (> 11.3)	> 15 (> 11.3)
Water vapor capacity	g/h (lbs/h)	19 (42)	23 (50)
Oil filling, min. / max.	l (qt)	0.11/0.14 (0.12/0.15)	0.11/0.14 (0.12/0.15)
Noise level to DIN 45 635	dB(A)	50	50
Admissible ambient temperature	°C (°F)	12 - 40 (53.6 -104)	40 (53.6 -104)
Max. permanent inlet pressure	mbar (Torr)	30 (22.5)	30 (22.5)
Motor rating	W (hp)	80 (0.11)	80 (0.11)
Nominal speed	rpm	1500	1800
Weight	kg (lbs)	8.8 (19.4)	8.8 (19.4)
Connections			
Intake	DN	16 KF	16 KF
Exhaust		6 mm hose nipple	6 mm hose nipple

Features & Benefits

- compact & lightweight
- low ultimate pressure
- high water vapor tolerance
- low noise operation
- easy to maintain & use
- simple to connect



Applications

- research & development • laser engineering • cooling & air conditioning
- electrical engineering • mechanical engineering • backing pump for high vacuum pump systems



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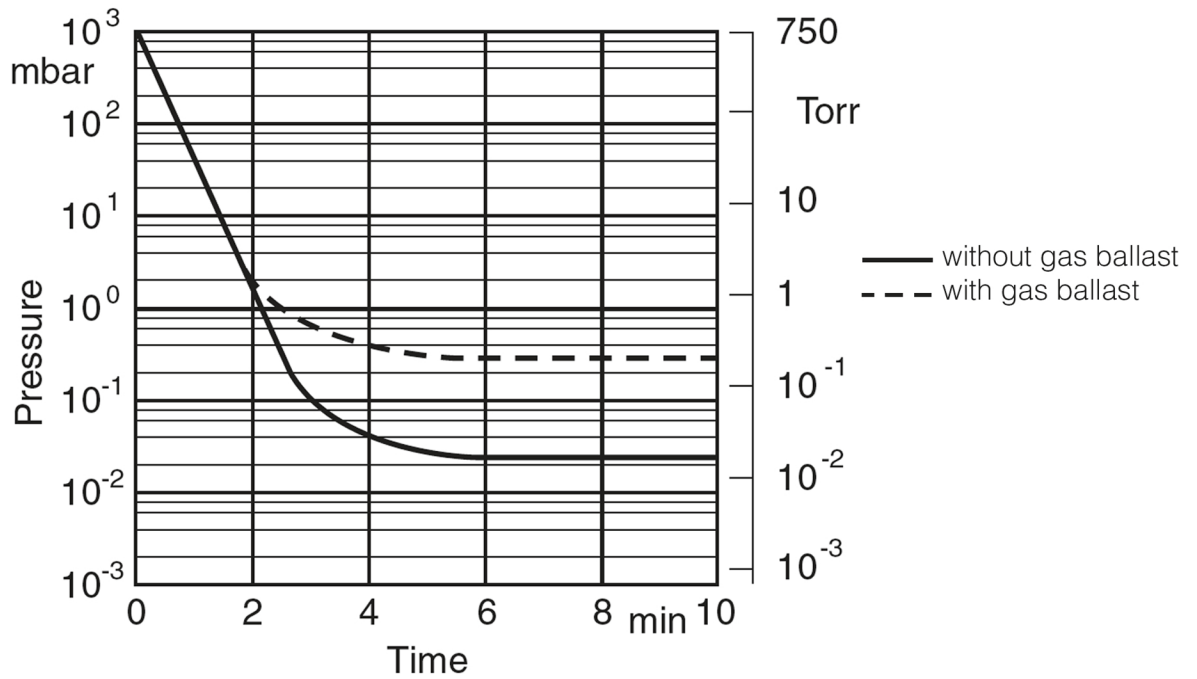
SALES

PHONE: 831-462-8900

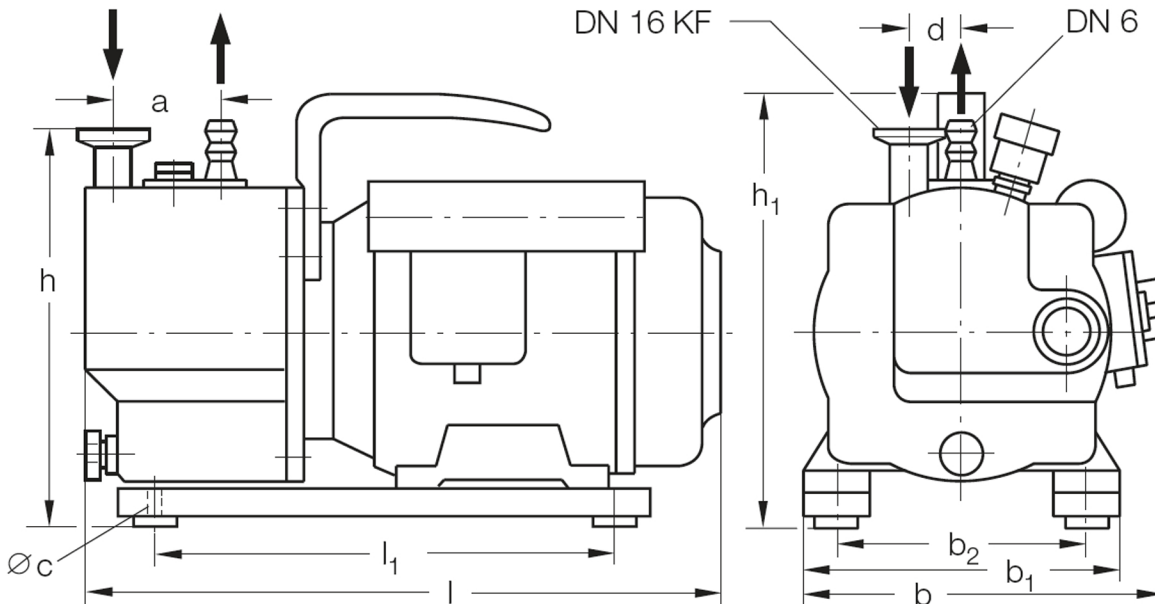
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Leybold S-1.5 Pumping Curves



Dimensions



	a	b	b ₁	b ₂	c	d	h	h ₁	l	l ₁
mm	45	155	145	100	5	20	160	195	300	191
in.	1.77	6.1	5.71	3.94	0.20	0.79	6.30	7.68	11.81	7.52