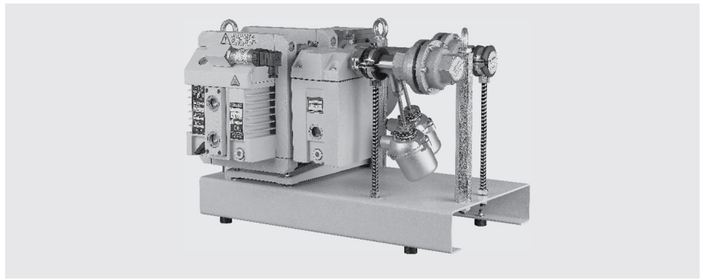
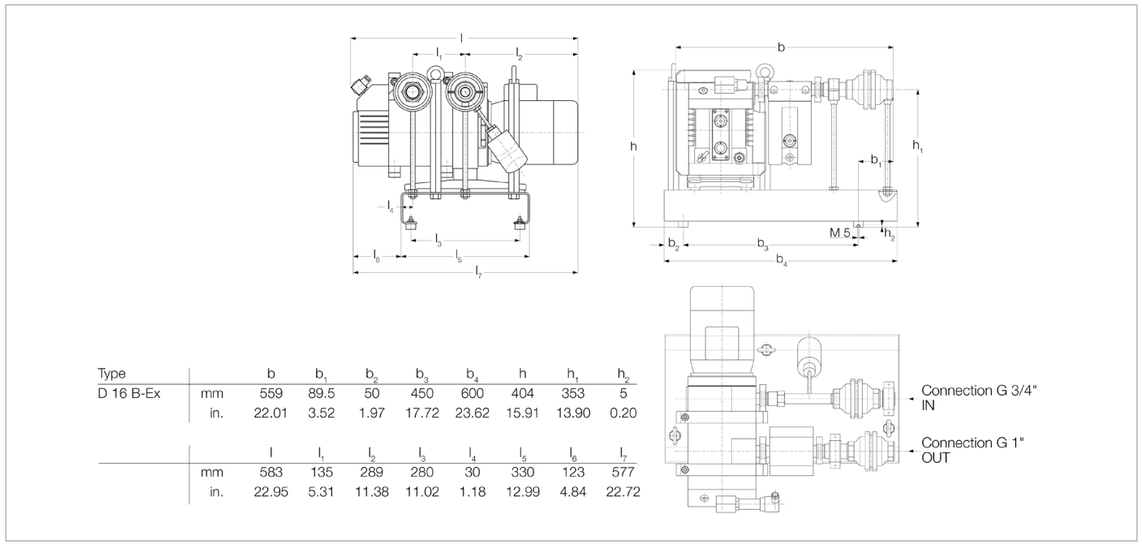
TRIVAC D 16 B-Ex (Explosion Protected and Pressure Burst Resistant)



TRIVAC D 16 B-Ex

ATEX

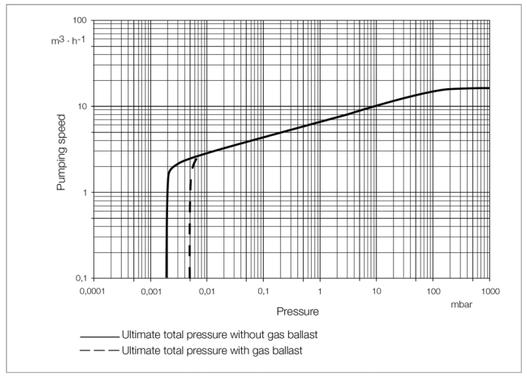
Category 1 inside and 2 outside



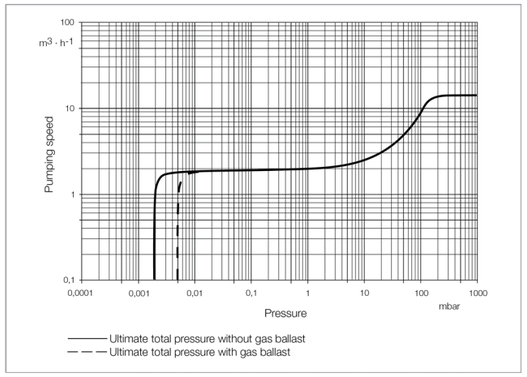
Type		b	b_1	b_2	b_3	b_4	h	h_1	h_2
D 16 B-Ex	mm	559	89.5	50	450	600	404	353	5
	in.	22.01	3.52	1.97	17.72	23.62	15.91	13.90	0.20

		l	l_1	l_2	l_3	l_4	l_5	l_6	l_7
	mm	583	135	289	280	30	330	123	577
	in.	22.95	5.31	11.38	11.02	1.18	12.99	4.84	22.72

Dimensional drawing for the TRIVAC D 16 B-Ex (explosion protected and pressure burst resistant)



Pumping speed characteristics of TRIVAC D 16 B-Ex [IIB3 T4] (Part No. 140 091)



Pumping speed characteristics of TRIVAC D 16 B-Ex [IIC T4] (Part No. 140 092)

Technical Data

		TRIVAC D 16 B-Ex (Explosion Protected and Pressure Burst Resistant) Two-Stage
Nominal pumping speed	m^3/h (cfm)	18.9 (11.1)
Pumping speed (for Part No. 140 091 / 140 092) [1]	m^3/h (cfm)	16 / 15 (9.4/8.8)
Ultimate partial pressure without gas ballast [1]	mbar (Torr)	1 x 10^{-4} (< 0.75 x 10^{-3})
Ultimate total pressure with gas ballast [1]	mbar (Torr)	< 5 x 10^{-3} (< 3.8 x 10^{-3})
Water vapor tolerance [1]	mbar (Torr)	25 (18.8)
Water vapor capacity	g/h (lbs/h)	240 (0.529)
Oil filling, min. / max.	l (qt)	0.55 / 1.3 (0.58 / 1.4)
Motor		3~, 230 V / 400 V, 50 Hz, Ex e II T4
Type of protection	IP	55
Maximum gas inlet temperature	°C (°F)	60 (140)
Highest permissible pressure in the oil box	mbar (Torr)	1500 (1125)
Ambient temperature (t_a)	°C (°F)	+12 to +40 (+46 to +104)
Maximum surface temperature	°C (°F)	135 (275)
Max. Inlet pressure	mbar (Torr)	Atmospheric pressure
Weight (complete system)	kg (lbs)	72 (159)
Materials (materials in contact with the gas)		Steel, hardened steel, spring steel, stainless steel, zinc, aluminium and aluminium alloys, grey cast iron 25, FKM, felt, glass, silicone, polyamide
Connections		
Intake side	Inside thread	G 3/4"
Pressure side	Inside thread	G 1"

Ordering Information

	TRIVAC D 16 B-Ex (Explosion Protected and Pressure Burst Resistant) Two-Stage Part No.
TRIVAC D 16 B-Ex IIB3 T4 in accordance with 214/34/EU [Ⓔx II 1/2G Ex h IIB3 T4 Ga / Ex h IIC T4 Gb (12°C≤Ta≤ 40°C) EC Type Examination Certificate: IBExU03ATEX1017 X]	**140 091**
TRIVAC D 16 B-Ex IIC T4 [2] in accordance with 214/34/EU [Ⓔx II 1/2G Ex h IIC (no C_2H_2, CS_2) T4 Ga / Ex h IIC T4 Gb (12°C≤Ta≤ 40°C) EC Type Examination Certificate: IBExU03ATEX1016 X]	**140 092** [2]

[1] To DIN 28 400 and following numbers

[2] with the exception of acetylene and carbon bisulphide

For all enquiries and orders relating to category 1 and 2 ATEX products please exclusively use our ATEX questionnaire. You can find this questionnaire at the end of the full-line catalog together with the fax forms or on the Internet under "www.leybold.com" under Downloads in the area Media.