



II 2/2 G c,k,b IIB T4 Gb/Gb

II 2/2 D c,k,b IIIC T135°C Db/Db

EVISA E300.R ATEX



EVISA ATEX lubricated vane pumps are designed for a wide range of applications in potentially explosive atmospheres. Depending on the model, they can be installed in gas or dust zone. They can run continuously from atmospheric pressure to ultimate vacuum. They are silent and extremely robust.

- Single stage vacuum pump with an end vacuum of 6.10^{-2} mbar
- High pumping speed even at low pressure
- Integrated oil mist filter on the exhaust
- Standard temperature safety control by intrinsically safe PT100

N° INERIS-EQEN : 033438/17

Technical characteristics

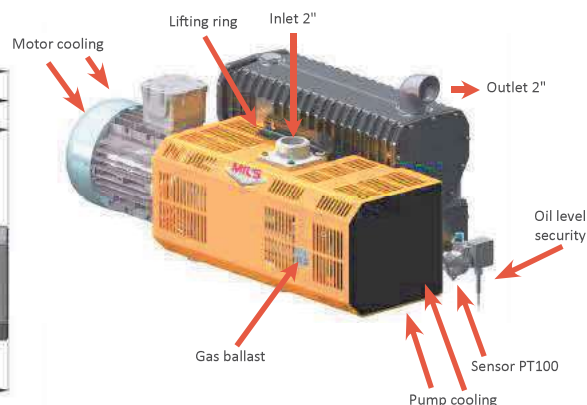
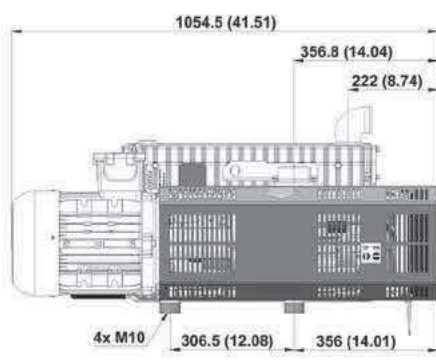
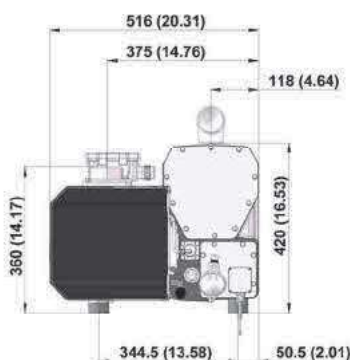
		50 Hz
E300.R ATEX HV	Nominal flow rate $m^3.h^{-1} - cfm$	300 - 176,5
	PNEUROP pumping speed ⁽¹⁾ $m^3.h^{-1} - cfm$	280 - 165
	Pumping speed at 1 mbar inlet pressure ⁽¹⁾ $m^3.h^{-1} - cfm$	171 - 101
	Without gas ballast	End vacuum mbar - torr
		$\leq 6.10^{-2} - 4,5.10^{-2}$
	Fully opened gas ballast	End vacuum mbar - torr
		$\leq 2 - 1,5$
		Water vapor permitted maximum pressure mbar - torr
		18,6 - 13,9
		Water vapor capacity $kg.h^{-1}$
		2,3
	100 % synthetic oil	MV99S
	Oil capacity l - qt	5 - 5,3
	Noise level dB(A)	72
Electrical motor	Voltage	3ph - 230 / 400 V ⁽²⁾ ou 3ph - 400/690V ⁽³⁾
	Motor power	50 Hz 5,5 kW
	Rotation speed min^{-1}	1500
Inlet connection		2" BSP
Outlet connection		2" BSP
Weight with oil kg - lb		172 - 380

⁽¹⁾ Measurements according to PNEUROP 6602 specifications - 20°C

⁽²⁾ Dust or gas zone model

⁽³⁾ Dust and gas zone model

Dimensions mm (inch)



Lubricated rotary vane vacuum pumps

References

E300.R ATEX HV	WITH GAS BALLAST
DUST ZONE II2D c,k,b IIIC T135°C Db/DBb	824387
GAS ZONE II2/2G c,k,b IIB T4 Gb/Gb	824391
DUST AND GAS ZONE II2/2G c,k,b IIB T4 Gb/Gb - II2D c,k,b IIIC T135°C Db/Db	824395

Accessories and options

Oil level security	333172
Suction filter	Paper cartridge 201PA 625472
Zone ATEX ZONE IIGD c IIIC T4 X	Carbon cartridge 201CH 625473
	Polyester cartridge 201PO 619885
Stainless steel inlet or outlet hose - 0,5 m KF	619887
Elevated base frame H = 150 mm	670806
Flame arrester DN80	625422
PT100 intrinsically safe power supply (assembly out of atex zone) - Output 0-10V	362640

Maintenance kits

3 000 hours usual maintenance

724886

12 000 hours preventive maintenance

724888

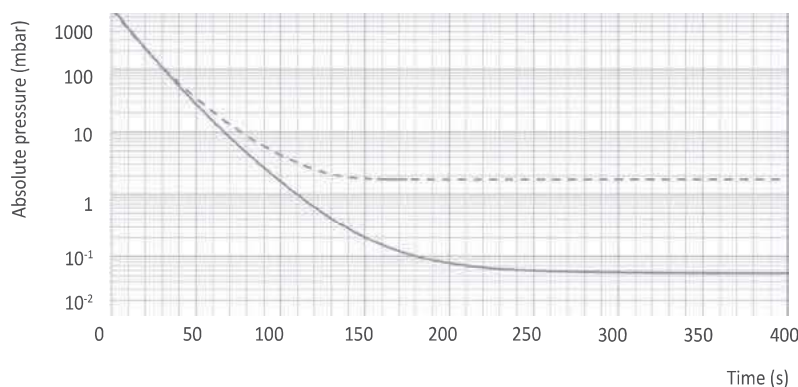


3 000 hours
usual
maintenance



12 000 hours
preventive
maintenance

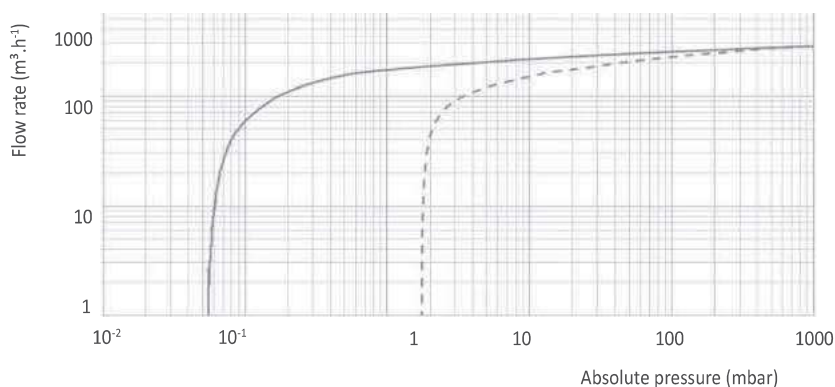
Pumping speed on 1000 l vessel



— 50 Hz - Without gas ballast

- - - 50 Hz - With opened gas ballast

Performance curves - 50 Hz



— 50 Hz - Without gas ballast

- - - 50 Hz - With opened gas ballast

Specifications are subject to be changed without notice.