



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



II 2/2 D c,k,b IIIC T135°C Db/Db

EVISA E100.R ATEX



N° INERIS-EQEN : 033438/17

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.

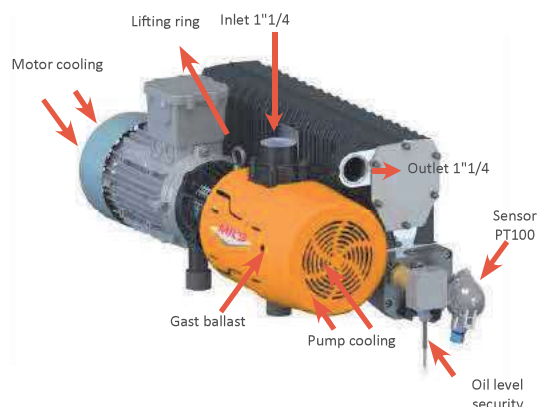
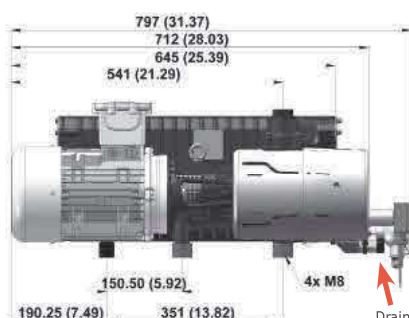
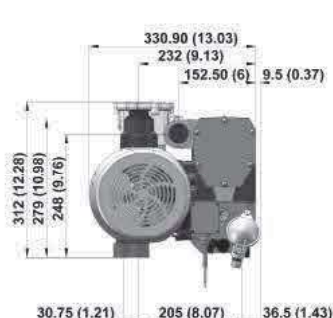
- Single stage vacuum pump with an end vacuum of 6.10^{-2} mbar
- Compactness and noise level optimized for an easy integration in machines
- High water vapor pumping capacity with finely adjustable gas ballast
- Integrated oil mist filter on the exhaust
- Standard temperature safety control by intrinsically safe PT100

Technical characteristics

		50 Hz
E100.R ATEX HV	Nominal flow rate $m^3.h^{-1} - cfm$	100 - 58,8
	PNEUROP pumping speed ⁽¹⁾ $m^3.h^{-1} - cfm$	96 - 56,5
	Pumping speed at 1 mbar inlet pressure ⁽¹⁾ $m^3.h^{-1} - cfm$	52 - 30,6
	Closed gas ballast	End vacuum mbar - torr
		$\leq 6.10^{-2} - 4,5.10^{-2}$
	Opened gas ballast	End vacuum mbar - torr
	3 rotations	$\leq 5.10^{-1} - 3,8.10^{-1}$
		Water vapor permitted maximum pressure mbar - torr
		59 - 44,2
		Water vapor capacity $kg.h^{-1}$
		3,4
	Fully opened gas ballast	End vacuum mbar - torr
		$\leq 2 - 1,5$
		Water vapor permitted maximum pressure mbar - torr
		95 - 71,2
		Water vapor capacity $kg.h^{-1}$
		5,5
	100 % synthetic oil	MV99S
	Oil capacity l - qt	3 - 3,2
	Noise level dB(A)	67
	Electrical motor	Voltage
		230 / 400 V
		50 Hz - 3ph
	Motor power	2,20 kW
		Rotation speed min^{-1}
		1500
	Inlet connection	1"1/4 BSP
	Outlet connection	1"1/4 BSP
	Weight with oil kg - lb	67,2 - 148,2

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

Dimensions mm (inch)



Lubricated rotary vane vacuum pumps

References

E100.R ATEX HV	WITH GAS BALLAST
DUST ZONE II2D c,k,b IIIC T135°C Db/Db	824385
GAS ZONE II2/2G c,k,b IIB T4 Gb/Gb	824389
DUST AND GAS ZONE II2/2G c,k,b IIB T4 Gb/GB - II2D c,k,b IIIC T135°C Db/Db	824393

Accessories and options

Oil level security	333172
Suction filter	Paper cartridge 126PA 625470
Zone ATEX ZONE IIGD c IIIC T4 X	Carbon cartridge 126CH 625471
	Polyester cartridge 126PO 619884
Stainless steel inlet or outlet hose - 0,5 m KF	619886
Elevated base frame H = 150 mm	625209
Flame arrester DN50	625417
PT100 intrinsically safe power supply (assembly out of atex zone) - Output 0-10V	362640

Maintenance kits

3 000 hours usual maintenance

724608

12 000 hours preventive maintenance

724610

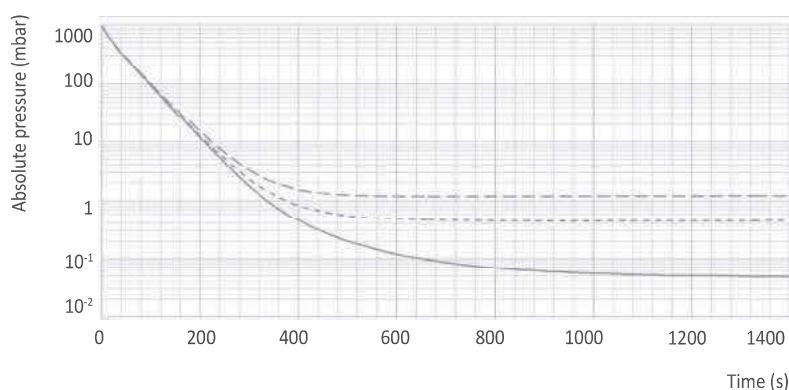


3 000 hours usual
maintenance



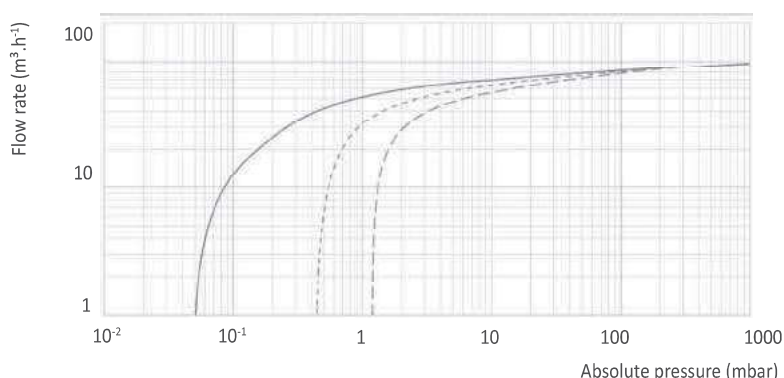
12 000 hours
preventive
maintenance

Pumping speed on 1000 l vessel



- 50 Hz - Closed gas ballast
- - 50 Hz - Opened gas ballast
3 rotations
- . 50 Hz - Fully opened gas ballast

Performance curves - 50 Hz



- 50 Hz - Closed gas ballast
- - 50 Hz - Opened gas ballast
3 rotations
- . 50 Hz - Fully opened gas ballast

Specifications are subject to be changed without notice.