



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

II 2/2 D c,k,b IIIC T135°C Db/Db

EVISA E200.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 very 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

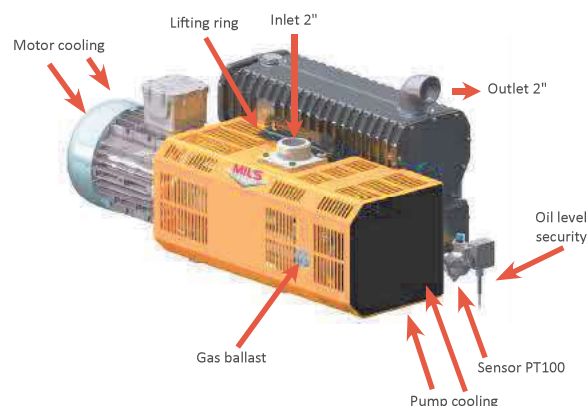
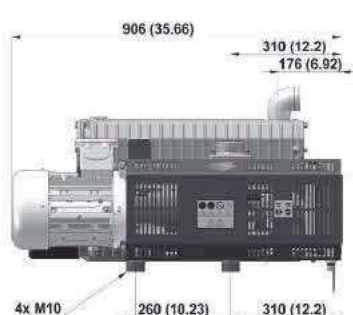
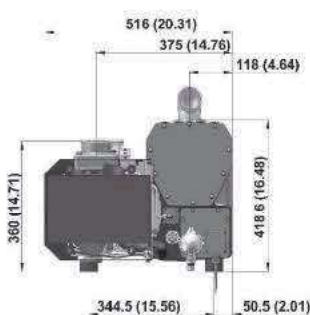
N° INERIS-EQEN : 033438/17

Technical characteristics

		50 Hz
E200.R ATEX HV	Nominal flow rate $m^3.h^{-1} - cfm$	200 - 117,7
	PNEUROP pumping speed ⁽¹⁾ $m^3.h^{-1} - cfm$	190 - 111,8
	Pumping speed at 1 mbar inlet pressure ⁽¹⁾ $m^3.h^{-1} - cfm$	134 - 78,9
	Closed gas ballast	End vacuum mbar - torr
		$\leq 6.10^{-2} - 4,5.10^{-2}$
	Fully opened gas ballast	End vacuum mbar - torr
		$\leq 1 - 0,75$
		Water vapor permitted maximum pressure mbar - torr
		20,2 - 15,1
		Water vapor capacity $kg.h^{-1}$
		2,2
	100 % synthetic oil	MV99S
	Oil capacity l - qt	5 - 5,3
Noise level dB(A)		71
Electrical motor		Voltage
		3ph - 230 / 400 V 50 Hz
		Motor power
		4 kW
		Rotation speed min^{-1}
		1500
Inlet connection		2" BSP
Outlet connection		2" BSP
Weight with oil kg - lb		143 - 316

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

Dimensions mm (inch)



Lubricated rotary vane vacuum pumps

References

E200.R ATEX HV	WITH GAS BALLAST
DUST ZONE II2D c,k,b IIIC T135°C Db/Db	824386
GAS ZONE II2/2G c,k,b IIB T4 Gb/Gb	824390
DUST AND GAS ZONE II2/2G c,k,b IIB T4 Gb/Gb - II2D c,k,b IIIC T135°C Db/Db	824394

Accessories and options

Oil level security		333172
Suction filter Zone ATEX ZONE IIGD c IIIC T4 X	Paper cartridge 201PA	625472
	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

724885

12 000 hours preventive maintenance

724887

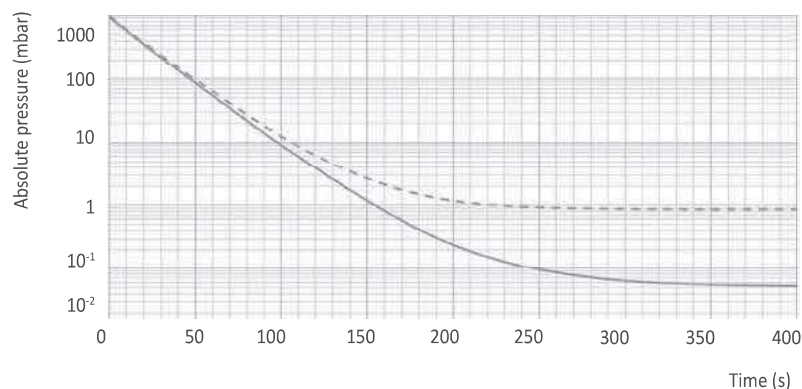


3 000 hours
usual
maintenance



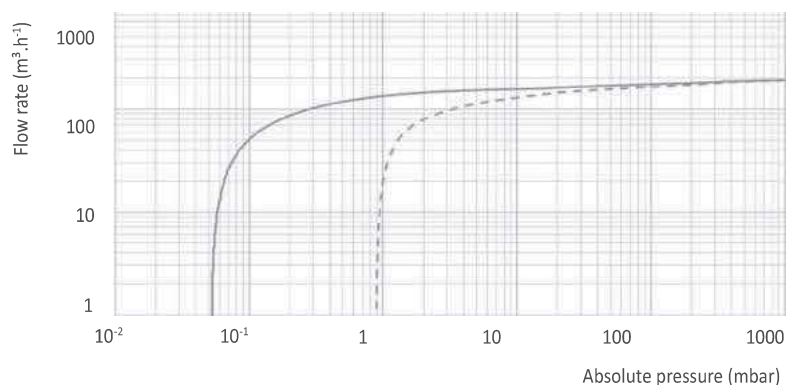
12 000 hours
preventive
maintenance

Pumping speed on 1000 l vessel



— 50 Hz - Closed gas ballast
- - - 50 Hz - With opened gas ballast

Performance curves - 50 Hz



— 50 Hz - Closed gas ballast
- - - 50 Hz - With opened gas ballast

Specifications are subject to be changed without notice.