

EVISA E600.R



The lubricated rotary vane pumps EVISA are designed to be used in a wide range of industrial and healthcare applications.

They can run continuously from atmospheric pressure to ultimate vacuum.

They are very silent and extremely robust.

- Single stage vacuum pump
- Continuous operation from atmospheric pressure to end vacuum : 1.10^{-1} mbar
- High pumping speed even at low pressure
- Integrated oil mist filter on the exhaust
- IE3 motor

Technical characteristics

		50 Hz	60 Hz
E600.R HV	Nominal flow rate $\text{m}^3 \cdot \text{h}^{-1}$ - <i>cfm</i>	634.9 - 373.7	769.2 - 452.8
	PNEUROP pumping speed ⁽¹⁾ $\text{m}^3 \cdot \text{h}^{-1}$ - <i>cfm</i>	581 - 342	696 - 409.7
	Pumping speed at 1 mbar inlet pressure ⁽¹⁾ $\text{m}^3 \cdot \text{h}^{-1}$ - <i>cfm</i>	308 - 181.3	370 - 217.8
	Without gas ballast End vacuum mbar - <i>torr</i>	$\leq 1 \times 10^{-1}$ - 8×10^{-2}	$\leq 1 \times 10^{-1}$ - 8×10^{-2}
	Fully opened gas ballast End vacuum mbar - <i>torr</i>	≤ 1 - 0.75	≤ 1 - 0.75
	Water vapor permitted maximum pressure mbar - <i>torr</i>	18.8 - 14.1	22 - 16.5
E600.R	Water vapor capacity $\text{kg} \cdot \text{h}^{-1}$	5.6	8.1
	Without gas ballast End vacuum mbar - <i>torr</i>	≤ 3 - 2.3	≤ 3 - 2.3
	Fully opened gas ballast End vacuum mbar - <i>torr</i>	≤ 5 - 3.8	≤ 5 - 3.8
	Water vapor permitted maximum pressure mbar - <i>torr</i>	13.1 - 9.8	15.4 - 11.5
	Water vapor capacity $\text{kg} \cdot \text{h}^{-1}$	3.9	5.6
100 % synthetic oil		MV99S	MV99S
Oil capacity l - <i>qt</i>		14 - 14.8	14 - 14.8
Noise level dB(A)		74	78

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

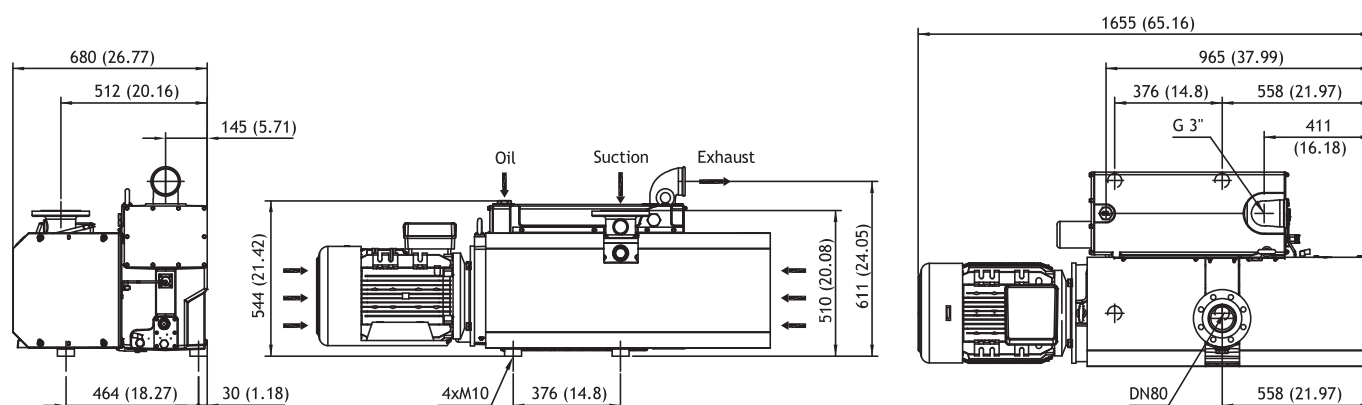
Versions

GEOGRAPHIC ZONE		EUROPE	ASIA MIDDLE-EAST
Electrical motor	Number of phases	3	3
	Voltage V	400 / 690	380
	Period Hz	50	60
	Motor power	13 kW	15.6 kW
	Rotation speed min^{-1}	1000	1200
Inlet connection ⁽²⁾		DN80 / 3" BSP	DN80 / 3" BSP
Outlet connection ⁽²⁾		3" BSP	3" BSP
Weight with oil kg - <i>lb</i>		531 - 1171	531 - 1171

⁽²⁾ DN 80 ISO-K connector can be supplied, see accessories

Lubricated rotary vane vacuum pumps

Dimensions mm (inch)



References

	E600.R HV		E600.R	
	WITH GAS BALLAST	WITHOUT GAS BALLAST	WITH GAS BALLAST	WITHOUT GAS BALLAST
EUROPE 3ph, 400/690V-50Hz	823880 + 723956	823880	823885 + 723956	823885
ASIA / MIDDLE-EAST 3ph, 380V-60Hz	Contact us	Contact us	Contact us	Contact us

STAINLESS STEEL version : contact us

Maintenance kits

3 000 hour usual maintenance with viton o'ring for oil mist filter	724139
12 000 hour preventive maintenance HV pump	624394
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Gasket set	624395



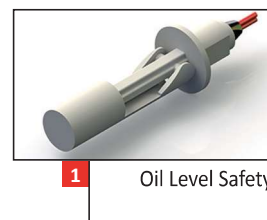
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12 000 hour preventive maintenance

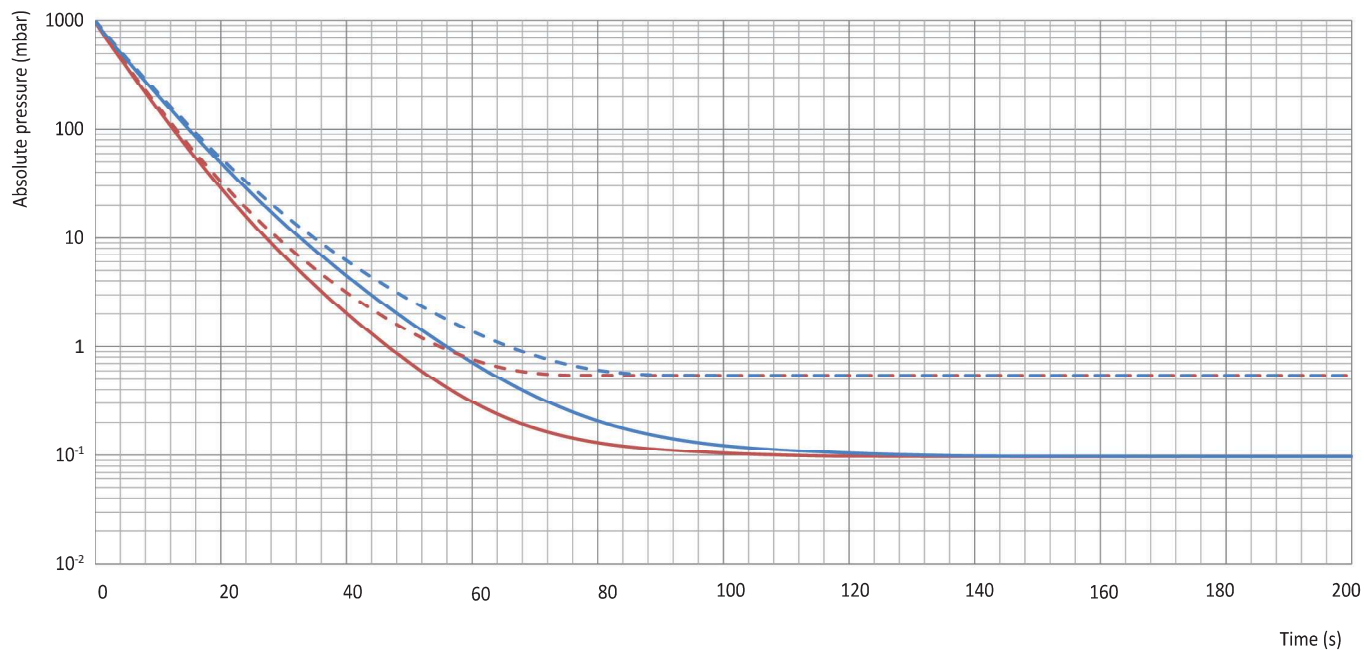
Accessories and Options

1	Oil Level Safety (OLS) with float	624398
	Additional filter for gas ballast	617710
	Timer box for oil level safety (base mounting)	670810
	NC bimetal temperature safety - opening at 120°C	624389
	Oil Level Safety and PT100 temperature sensor	624405
	PT100 temperature sensor	624388
2	3" BSP / DN80 suction filter Type 301	Paper cartridge 717369 Polyester cartridge 717370 Carbon cartridge 717371
	Vacuum gauge fitted on filter	617536
	Vacuum-tight suction filter ST301	Paper cartridge 361627 straight-through Polyester cartridge 620166
	Deflector for filters CT 301 and ST 301	215696
	Bracket for mural fixing for filters CT, ST and Liquid trap 5NG	617512
	Flanges DN 80 for filters CT, ST and Liquid trap 5NG	617513
3	Liquid trap 5NG 650 m ³ .h ⁻¹ 3" BSP	Brass head / polycarbonate cylinder / without float 717786 Brass head / polycarbonate cylinder / with float 720813 Brass head / Pyrex cylinder / without float 717740 Brass head / Pyrex cylinder / with float 720814 Pyrex bottle 250 ml under trap assembly 615441 Pyrex bottle 500 ml under trap assembly 615442 Pyrex bottle 1000 ml under trap assembly 615443
	Electro-pneumatic automatic drain with control board	816002
	Electrical automatic drain with control board	816003
	Vacuum hose (0,6 m) DN80	618269
	Vacuum hose (1 m) DN80	617833
	Vacuum hose (1,5 m) MM 3" BSP	719925
	Vacuum hose (4 m) M 3" BSP - DN80	618573
	Base frame assembly height 200 mm	618251
4	Elevated base frame (H=525 mm)	For 1 pump 617613
	Direct starter (wall mounting)	Without regulation contact 3-ph 400V 719237 With regulation contact LG7 3-ph 400V 719239
	Star / Delta starter 400V + N + E (without pressure valve)	718391
	- Electrical unloading valve (230V-50Hz)	617496
	- Pneumatic unloading valve (6 bar)	618257
	Exhaust double elbow mounting	623534
	Double acting electric butterfly cast iron valve DN80 with electric actuator 5/2 NF 230V-50Hz	617522
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	Aluminium adapter M3" / DN80 ISO K	117130
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	Aluminium clamping collar DN63/250 ISO K	4 X 361653
	Centering ring Aluminium / PERBUNAN	361650
	Stainless steel hose (0,5 m) DN80 ISO K	361651
	Stainless steel hose (1 m) DN80 ISO K	361652



Lubricated rotary vane vacuum pumps

Pumping speed on 1000 l vessel



Performance curves

