



EVISA E25.2 HV



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 silent and extremely robust.

- Single stage vacuum pump
- Continuous operation from atmospheric pressure to end vacuum : $5 \cdot 10^{-1}$ mbar
- High pumping speed even at low pressure
- Integrated oil mist filter on the exhaust

Technical characteristics

		50 Hz	60 Hz
E25.2 HV	Nominal flow rate $\text{m}^3 \cdot \text{h}^{-1} - \text{cfm}$	30 - 17,7	35,3 - 20,8
	PNEUROP pumping speed ⁽¹⁾ $\text{m}^3 \cdot \text{h}^{-1} - \text{cfm}$	28 - 16,5	33,6 - 19,8
	Pumping speed at 1 mbar inlet pressure ⁽¹⁾ $\text{m}^3 \cdot \text{h}^{-1} - \text{cfm}$	9,8 - 5,8	11,7 - 6,9
	Without gas ballast End vacuum mbar - torr	$\leq 5 \cdot 10^{-1} - \leq 3,8 \cdot 10^{-1}$	$\leq 5 \cdot 10^{-1} - \leq 3,8 \cdot 10^{-1}$
	Fully opened gas ballast	End vacuum mbar - torr	$\leq 2 - 1,5$
		Water vapor permitted maximum pressure mbar - torr	16,9 - 12
		Water vapor capacity $\text{kg} \cdot \text{h}^{-1}$	0.27
	100 % synthetic oil	MV99S	MV99S
	Oil capacity l - qt	1,5 - 1,58	1,5 - 1,58
	Noise level dB(A)	60	62

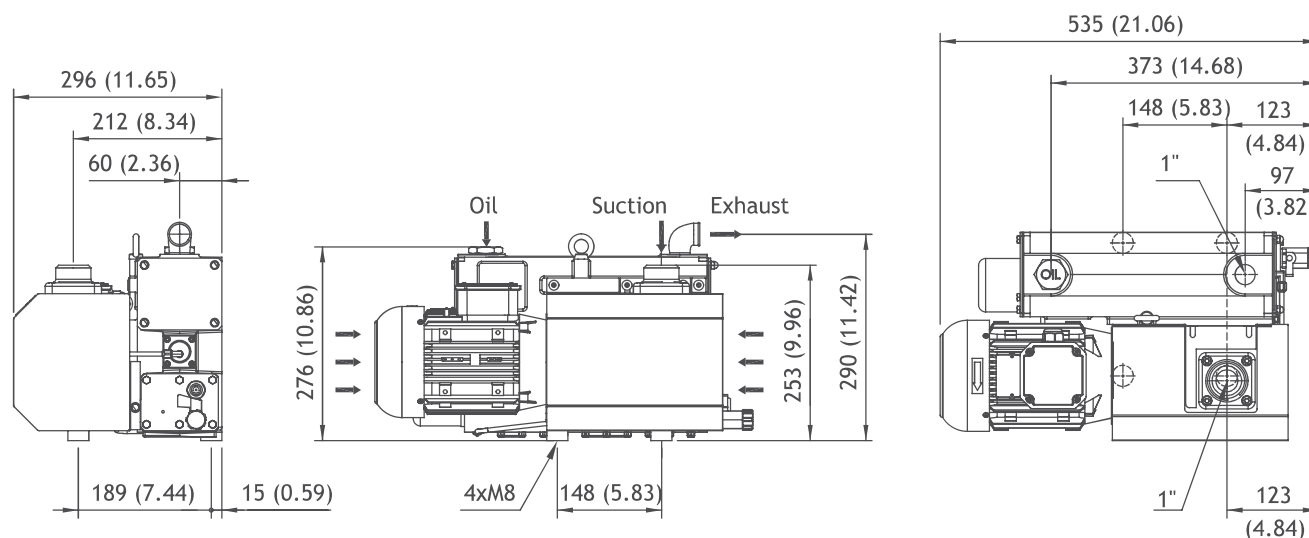
⁽¹⁾ Measurements according to PNEUROP 6602 specifications - 20°C

Versions

GEOGRAPHIC ZONE		EUROPE		ASIA MIDDLE-EAST	SOUTH AMERICA	USA
Electrical motor	Number of phases	1	3	3	3	3
	Voltage V	230	230 / 400	220/380	190 / 380	208-230/460
	Period Hz	50	50	60	50	60
	Motor power	0,75 kW	0,75 kW	0,9 kW	0,75 kW	1,50 HP
	Rotation speed min^{-1}	1500	1500	1800	1500	1800
Inlet connection		1" BSP	1" BSP	1" BSP	1" NPT	1" NPT
Outlet connection		1" BSP	1" BSP	1" BSP	1" NPT	1" NPT
Weight with oil kg - lb		39 - 86	39 - 86	44 - 97	44 - 97	44 - 97

Lubricated rotary vane vacuum pumps

Dimensions mm (inch)



References

	E25.2 HV	
	WITH GAS BALLAST	WITHOUT GAS BALLAST
EUROPE 1ph, 230V-50Hz	821148 + 770800	821148
EUROPE 3ph, 230/400V-50Hz	821151 + 770800	821151
ASIA / MIDDLE EAST 3ph, 220/380V-60Hz	823858 + 770800	823858
SOUTH AMERICA / USA 3ph, 190/380V-50Hz, 208-230/460V-60Hz	824055 + 770800	824055



Maintenance kits

3 000 hour usual maintenance with silicone o'ring for oil mist filter	720341
3 000 hour usual maintenance with viton o'ring for oil mist filter	718374
12 000 hour preventive maintenance	615484



3 000 hour usual
maintenance



12 000 hour
preventive
maintenance

Specifications are subject to be changed without notice.



Accessories and Options

1	Oil Level Safety (OLS) with float	616111
	Timer box for oil level safety (base mounting)	670810
	Oil level safety and temperature indicator with bimetal thermostat NC opening at 120°C - Max 24V	623315
	Oil Level Safety and PT100 temperature sensor	623975
	PT100 temperature sensor	623980
2	3/4" BSP suction filter	
	Type 76	
	Paper cartridge	715347
	Polyester cartridge	715348
	Carbon cartridge	715349
	Vacuum gauge fitted on filter cover	617536
	3/4" BSP paper/paper double filtration 76PA + 76PA	670613
	3/4" BSP polyester/carbon double filtration 76PO + 76CH	670616
3	Liquid trap 100	
	48 m ³ .h ⁻¹	
	1" BSP	
	Aluminium head / plexiglass cylinder / without mechanical float	724793
	Aluminium head / plexiglass cylinder / with mechanical float	724794
	Aluminium head / Pyrex cylinder / without mechanical float	724807
	Aluminium head / Pyrex cylinder / with mechanical float	724808
	Stainless steel head / Pyrex cylinder / without mechanical float	724795
	Stainless steel head / Pyrex cylinder / with mechanical float	724796
	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
	Adjusting valve fitted on T-square	713840
	Vacuum hose (0,6 m) FF 3/4" BSP	606086
	Vacuum hose (1 m) FF 3/4" BSP	604422
	Vacuum hose (1,5 m) FF 3/4" BSP	618264
	Vacuum hose (2 m) FF 3/4" BSP	616085
	Vacuum hose (3 m) FF 3/4" BSP	670010
	Vacuum hose (4 m) FF 3/4" BSP	618131
	Suction hose with non-return valve (1 m)	770151
	Exhaust double elbow mounting	624163
	Base frame assembly height 150 mm	670804
4	Elevated base frame	
	(H=525 mm)	
	For 1 pump	617610
	For 2 pumps	619543
	For 3 pumps	619546
Direct starter	Without regulation contact 3-ph 400V + E	770495
(wall mounting)	Without regulation contact 3-ph 230V + E	770496
	Without regulation contact 1-ph 230V + E	770503
	With regulation contact LG7 3-ph 400V	710422
	With regulation contact LG7 3-ph 230V	710430
	With regulation contact LG7 1-ph 230V	710428
	Control board with FLEXO solenoid valve 3-ph, 400V+ N for warm up and degasing cycle	770811
	Control board with FLEXO solenoid valve 3-ph, 400V + N for degasing cycle	770818
	Electrical cable (3m) with ON/OFF switch -1-ph 230V + E	363052



1 Oil level safety



2 suction filter
type 76



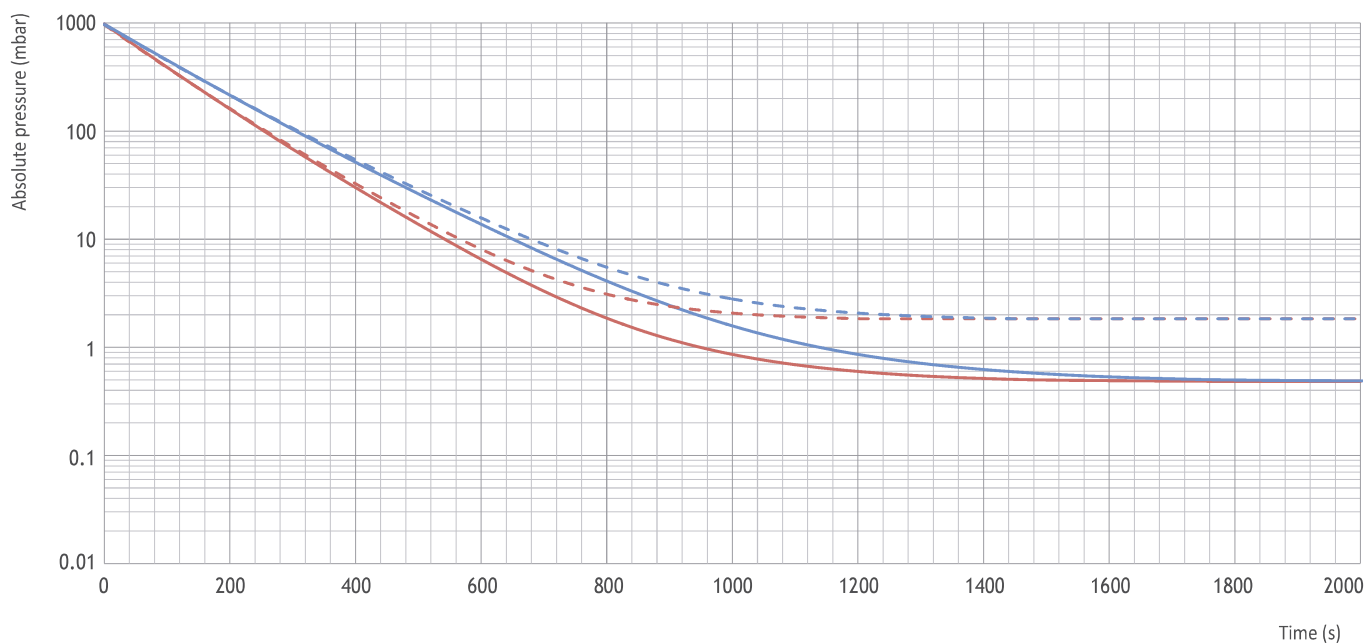
3 Liquid trap 100
with mechanical
stop and
optional bottle



4 Elevated base frame
for 2 pumps

Lubricated rotary vane vacuum pumps

Pumping speed on 1000 l vessel



Performance curves

