



EVISA E40.2 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
E40.2 HV	Nominal flow rate $\text{m}^3 \cdot \text{h}^{-1} - \text{cfm}$	47,7 - 28,1	57,2 - 33,7
	PNEUROP pumping speed ⁽¹⁾ $\text{m}^3 \cdot \text{h}^{-1} - \text{cfm}$	41,5 - 24,4	49,8 - 29,3
	Pumping speed at 1 mbar inlet pressure ⁽¹⁾ $\text{m}^3 \cdot \text{h}^{-1} - \text{cfm}$	14,4 - 8,47	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	$\leq 1,5 - 1,13$	$\leq 1,5 - 1,13$
	Water vapor permitted maximum pressure mbar - torr	14,8 - 10,5	16,6 - 12
	Water vapor capacity $\text{kg} \cdot \text{h}^{-1}$	0,37	0,49
	100 % synthetic oil	MV99S	MV99S
Oil capacity l - qt		1,5 - 1,58	1,5 - 1,58
Noise level dB(A)		62	64

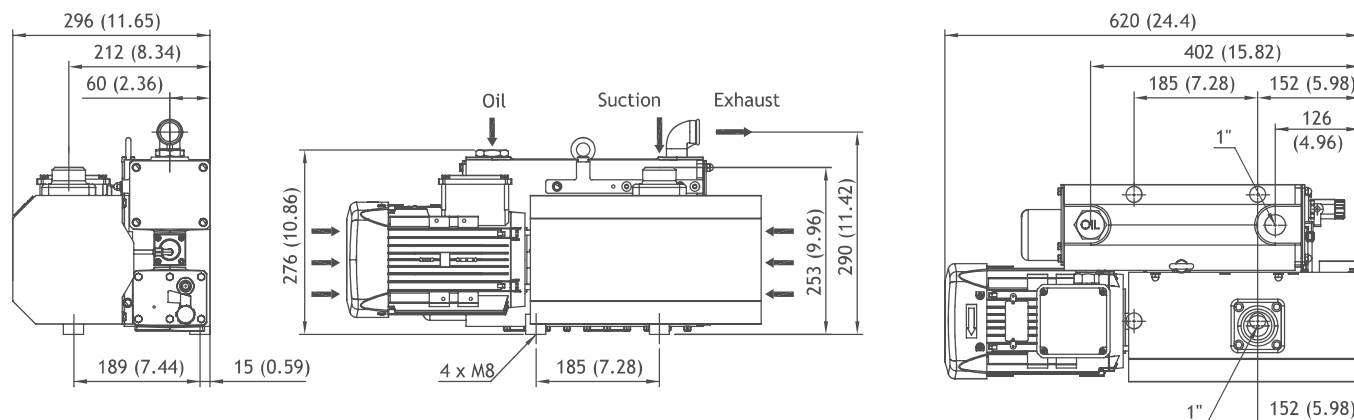
⁽¹⁾ Measurements according to PNEUROP 6602 specifications - 20°C

Versions

GEOGRAPHIC ZONE		EUROPE	EUROPE	ASIA MIDDLE-EAST	SOUTH AMERICA	USA
Electrical motor	Number of phases	1	3	3	3	3
	Voltage V	230	230 / 400	265/460	190 / 380	208-230/460
	Period Hz	50	50	60	50	60
	Motor power	1,1 kW	1,1 kW	1,3 kW	1,10 kW	2 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		52 - 115	52 - 115	52 - 115	35 - 77,2	35 - 77,2

Lubricated rotary vane vacuum pumps

Dimensions mm (inch)



References

	E40.2 HV	
	WITH GAS BALLAST	WITHOUT GAS BALLAST
EUROPE 1ph, 230V-50Hz	821149 + 770826	821149
EUROPE 3ph, 230/400V-50Hz	821152 + 770826	821152
ASIA / MIDDLE EAST 3ph, 220/380V-60Hz	823859 + 770826	823859
SOUTH AMERICA / USA 3ph, 190/380V-50Hz, 208-230/460V-60Hz	824056 + 770826	824056



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	615485



3 000 hour usual maintenance



12 000 hour preventive maintenance



EVISA E40.2 HV

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	1" BSP suction filter	Paper cartridge 714975
	Type 100	Polyester cartridge 714976
		Carbon cartridge 714977
	Vacuum gauge fitted on filter	617536
	1" BSP polyester/polyester double filtration 100PO + 100PO	622167
	Aluminium head / plexiglass cylinder / without mechanical float	724793
	Aluminium head / plexiglass cylinder / with mechanical float	724794
	Aluminium head / Pyrex cylinder / without mechanical float	724807
3	Liquid trap 100	Aluminium head / Pyrex cylinder / with mechanical float 724808
	48 m ³ .h ⁻¹	Stainless steel head / Pyrex cylinder / without mechanical float 724795
	1" BSP	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	714979
	Vacuum hose (0,6 m) FF 1" BSP	618265
	Vacuum hose (1 m) FF 1" BSP	617372
	Vacuum hose (1,5 m) FF 1" BSP	618266
	ALU adapter M1" / DN25 KF	117133
	ALU clamping collar DN25 KF	361638
	Centering ring INOX/VITON	361641
	Stainless steel hose (0,5 m) DN25 KF	361644
	Stainless steel hose (1 m) DN25 KF	361645
	Base frame assembly height 150 mm	670804
4	Elevated base frame	For 1 pump 617610
	(H=525 mm)	For 2 pumps 619543
		For 3 pumps 619546
		Without regulation contact 3-ph 400V + E 770496
		Without regulation contact 3-ph 230V + E 770497
Direct starter		Without regulation contact 1-ph 230V + E 770504
(wall mounting)		With regulation contact LG7 3-ph 400V 710423
		With regulation contact LG7 3-ph 230V 710431
		With regulation contact LG7 1-ph 230V 710435
	Control board with FLEXO solenoid valve 3-ph, 400V+ N for warm up and degasing cycle	770812
	Control board with FLEXO solenoid valve 3-ph, 400V + N for degasing cycle	770819
	Electrical cable (3m) with ON/OFF switch -1-ph 230V + E	363052



1 Oil level safety



2 suction filter
type 100



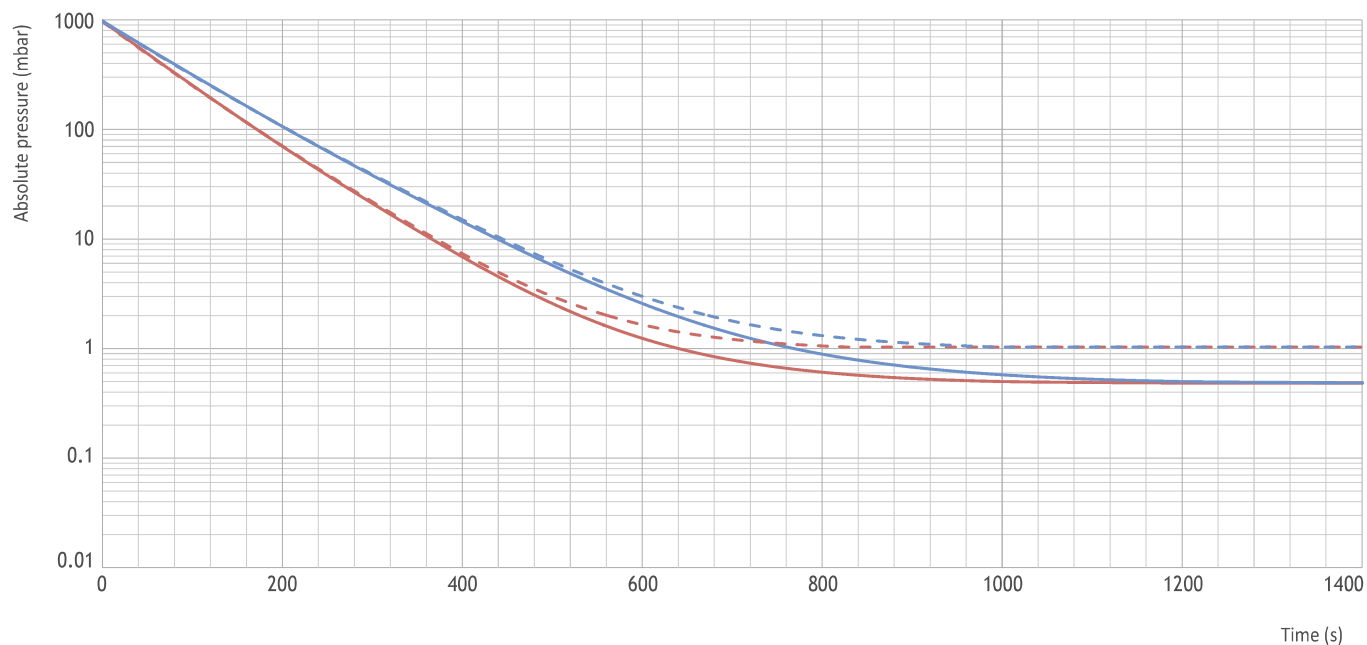
3 Liquid trap 100
with mechanical
stop and
optional bottle



4 Elevated base frame
for 2 pumps

Lubricated rotary vane vacuum pumps

Pumping speed on 1000 l vessel



Performance curves

