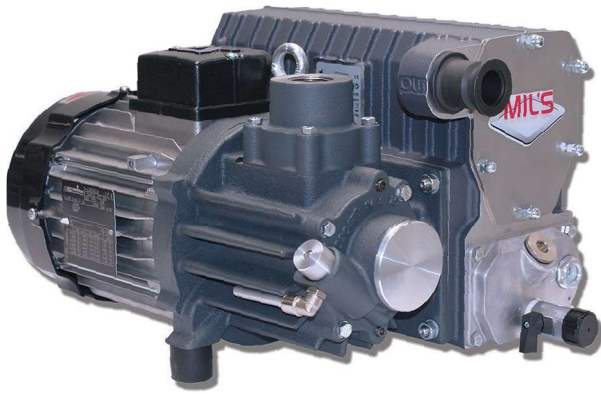


EVISA E25.R



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 with the end vacuum of $6 \cdot 10^{-2}$ mbar
- Compactness and noise level optimized for an easy integration in machines
- High water vapor pumping capacity with finely adjustable gas ballast
- Designed for light onsite maintenance without piping disconnection
- Integrated oil mist filter on the exhaust

Technical characteristics

		50 Hz	60 Hz
Nominal flow rate $\text{m}^3 \cdot \text{h}^{-1}$ - <i>cfm</i>		28 - 16.4	33 - 19.4
PNEUROP pumping speed ⁽¹⁾ $\text{m}^3 \cdot \text{h}^{-1}$ - <i>cfm</i>		26 - 15.3	31 - 18.2
Pumping speed at 1 mbar inlet pressure ⁽¹⁾ $\text{m}^3 \cdot \text{h}^{-1}$ - <i>cfm</i>		18.6 - 10.9	20.8 - 12.2
E25.R HV	Without gas ballast	End vacuum mbar - torr	$\leq 6 \times 10^{-2}$ - 4.5×10^{-2}
		End vacuum mbar - torr	$\leq 6 \times 10^{-1}$ - 4.5×10^{-1}
	Opened gas ballast 1,5 rotation	Water vapor permitted maximum pressure mbar - torr	13.0 - 9.8
		Water vapor capacity $\text{kg} \cdot \text{h}^{-1}$	0.24
	Fully opened gas ballast	End vacuum mbar - torr	≤ 6.0 - 4.5
		Water vapor permitted maximum pressure mbar - torr	130 - 97
E25.R		Water vapor capacity $\text{kg} \cdot \text{h}^{-1}$	2.1
	Without gas ballast	End vacuum mbar - torr	≤ 2.0 - 1.5
	Fully opened gas ballast	End vacuum mbar - torr	≤ 3.0 - 2.2
		Water vapor permitted maximum pressure mbar - torr	88 - 66
		Water vapor capacity $\text{kg} \cdot \text{h}^{-1}$	1.4
100 % synthetic oil		MV99S	MV99S
Oil capacity l - qt		1.0 - 1.1	1.0 - 1.1
Noise level dB(A)		59	63

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

Versions

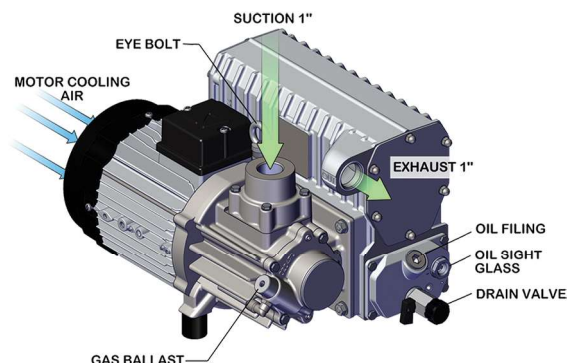
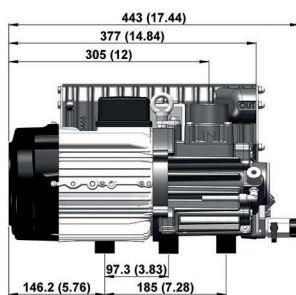
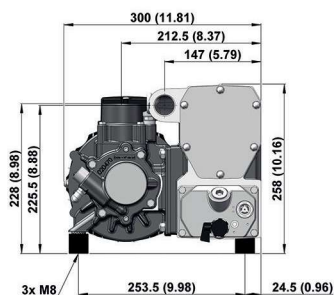
GEOGRAPHIC ZONE		EUROPE	ASIA MIDDLE-EAST	SOUTH AMERICA	USA	JAPAN
Electrical motor	Number of phases	1	3	3	3	3
	Voltage V	230	230 / 400	220 / 380	190 / 380	208-230/460
	Period Hz	50	50	50 / 60	50	60
	Motor power	0.75 kW	0.75 kW	0.75 / 0.90 kW	0.75 kW	1.50 HP
	Rotation speed min^{-1}	1500	1500	1500/1800	1500	1800
Inlet connection ⁽²⁾		1" BSP	1" BSP	1" BSP	1" NPT	1" BSP
Outlet connection ⁽³⁾		1" BSP	1" BSP	1" BSP	1" NPT	1" BSP
Weight with oil kg - lb		31.3 - 69.0	30.0 - 66.2	30.0 - 66.2	30.8 - 67.9	30.8 - 67.9

⁽²⁾ DN 25 ISO-KF adaptation flange can be supplied, see accessories

⁽³⁾ DN 25 ISO-KF connector can be supplied, see accessories

Lubricated rotary vane vacuum pumps

Dimensions mm (inch)



References

	E25.R HV		E25.R	
	WITH GAS BALLAST	WITHOUT GAS BALLAST	WITH GAS BALLAST	WITHOUT GAS BALLAST
EUROPE 1ph, 230V-50Hz	824179	824181	824183	824185
EUROPE / ASIA 3ph, 230/400V-50Hz, 220/380V-50/60Hz	824091	824187	824090	824189
SOUTH AMERICA / USA 3ph, 190/380V-50Hz, 208-230/460V-60Hz	824094	824191	824193	824195
JAPAN 3ph, 200/380V-50/60Hz	824096	824197	824199	824201

Oxygen version available - Contact us

HV accessories - KF connection



1 Suction filter
DN25KF -Type 100

Suction flange DN25KF	625029
1 Suction filter DN25KF - Type 100	625030
Paper cartridge	625031
Polyester cartridge	625032
Carbon cartridge	361638
Aluminium clamping ring DN25KF	361641
Stainless steel / Viton DN25KF centering ring	361644
Stainless steel DN25KF hose - 0,5 m	361645
Stainless steel DN25KF hose - 1 m	333827
Elbow DN25KF	333828
Equal T-square DN25KF	333829
Manual ball valve DN25KF	333830
Solenoid valve DN25KF	625019
Exhaust adapter 1" BSP - DN25KF	

Maintenance kits

3 000 hour usual maintenance
with silicone o'ring for oil mist filter **724572**

3 000 hour usual maintenance
with viton o'ring for oil mist filter **724573**

12 000 hour preventive maintenance **724583**

Oxygen version maintenance available - Contact us



3 000 hour usual
maintenance

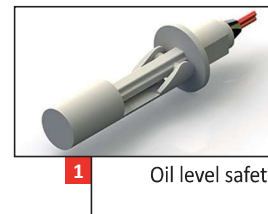


12 000 hour
preventive
maintenance

Specifications are subject to be changed without notice.

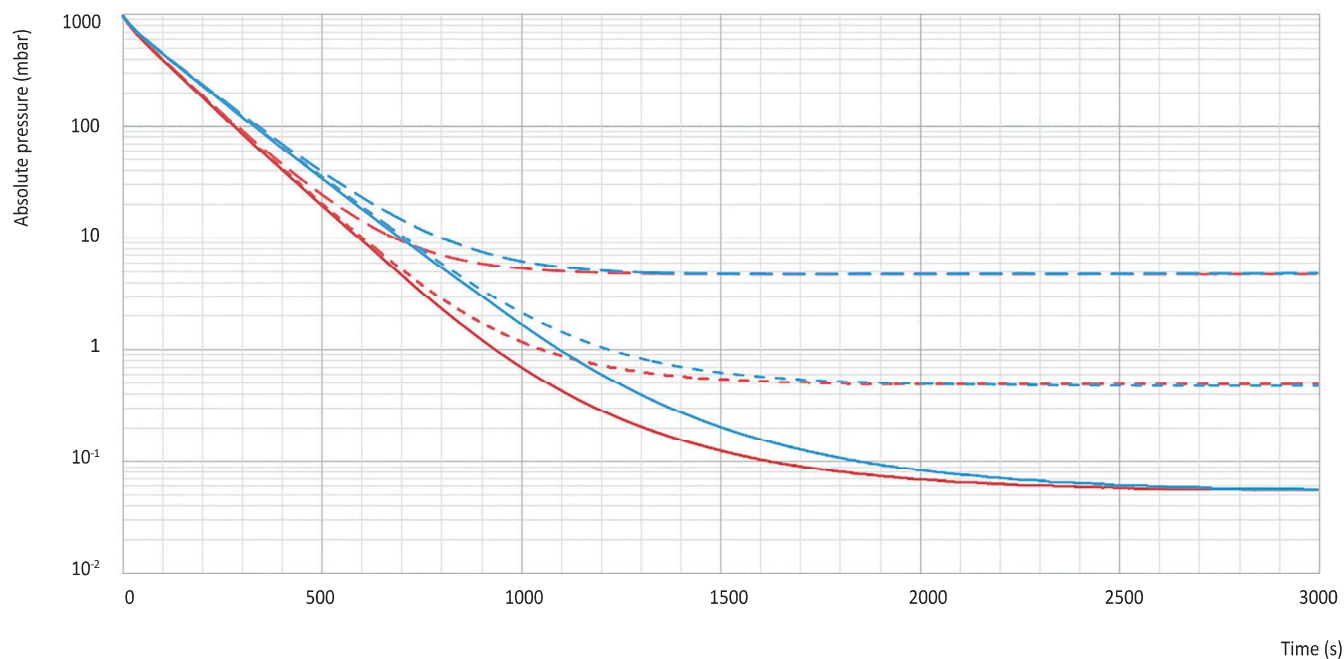
Accessories and Options

Additional rubber feet		625169	
1	Oil Level Safety (OLS) with float	625020	
PT100 temperature sensor		625021	
NC bimetal temperature safety - opening at 120°C		625022	
2	1" BSP suction filter	Paper cartridge	714975
	Type 100	Polyester cartridge	714976
		Carbon cartridge	714977
Ø63 vacuum gauge fitted on filter		617536	
1" BSP polyester/carbon double filtration 100PO + 100CH		625023	
Adjusting valve fitted on T-square MF 1" BSP		714979	
3	Liquid trap 1NG 30 m³.h⁻¹ 3/4" BSP	Aluminium head / polycarbonate cylinder / without float	613589
		Aluminium head / polycarbonate cylinder / with float	713590
		Aluminium head / Pyrex cylinder / without float	717757
		Aluminium head / Pyrex cylinder / with float	713099
		Stainless steel head / Pyrex cylinder / without float	724575
		Stainless steel head / Pyrex cylinder / with float	721629
		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) MF 1" BSP		618265	
Vacuum hose (1 m) MF 1" BSP		617372	
Vacuum hose (1,5 m) MF 1" BSP		618266	
Vacuum hose (2 m) MF 1" BSP		616179	
No return valve MF 1" BSP		618457	
Base frame assembly height 150 mm		625012	
4	Elevated base frame (H=525 mm)	For 1 pump	625013
		For 2 pumps	625014
		For 3 pumps	625015
Direct starter (wall mounting)	Without regulation contact 3-ph 400V + E		770495
	Without regulation contact 1-ph 230V + E		770503
	With regulation contact LG7 3-ph 400V + N + E		710422
	With regulation contact LG7 1-ph 230V + E		710428
	With regulation contact LG7 + Timer 3-ph 400V + N + E		724576
	With regulation contact LG7 + Timer 1-ph 230V + E		724577
Direct starter with regulation contact LG7 and Flexo valve for warm up and degasing system - 3-ph 400V + N + E		724578	
Direct starter with regulation contact LG7 and Flexo valve for warm up and degasing system - 1-ph 230V + E		724579	
Electrical cable (3m) with ON/OFF switch -1-ph 230V + E		625016	
Direct starter support for base fixation		625017	

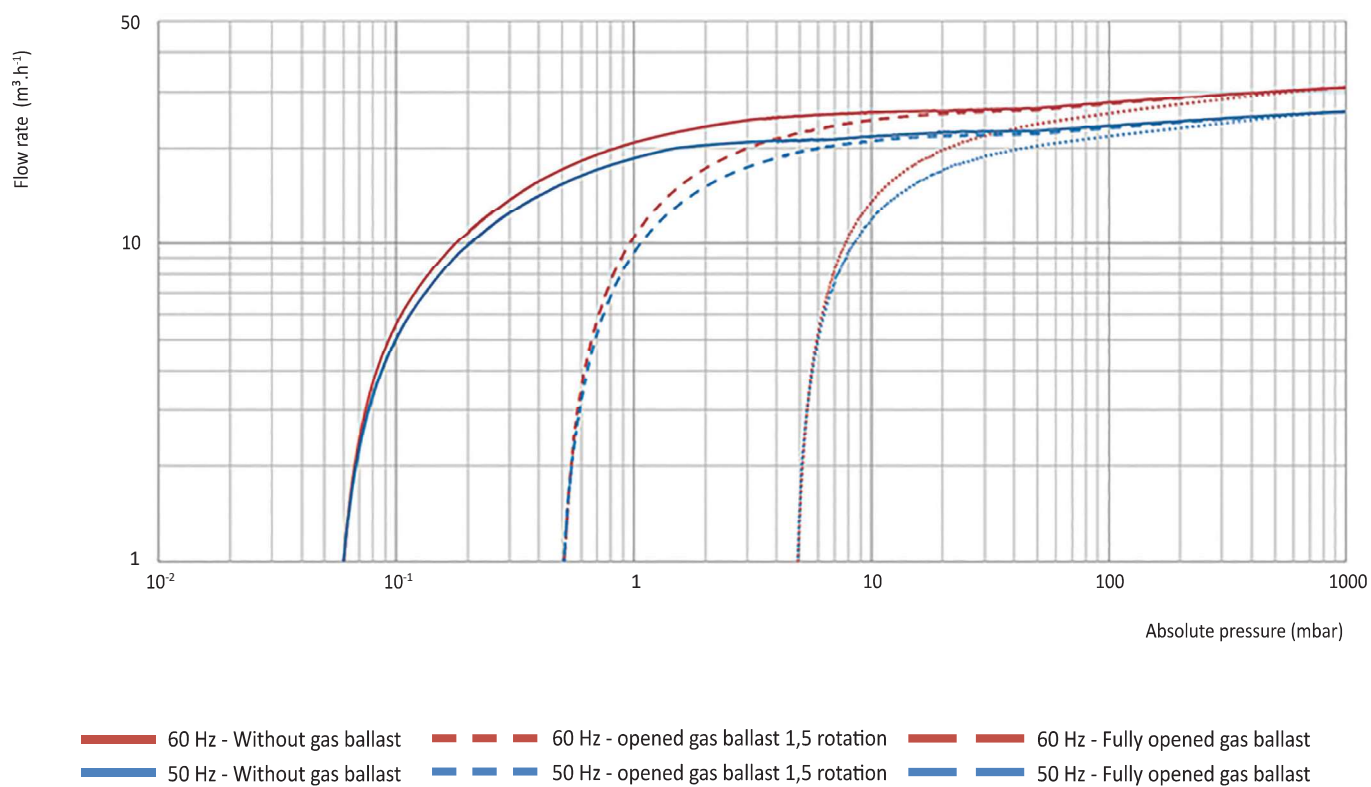


Lubricated rotary vane vacuum pumps

Pumping speed on 1000 l vessel



Performance curves



Specifications are subject to be changed without notice.