EVISA E65.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 silent and extremely robust.

- Single stage vacuum pump with the end vacuum of 6.10^{-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
- IE3 motor

Technical characteristics

			50 Hz	60 Hz
	Nominal flow rate $m^3.h^{-1}$ - *cfm*		68 - *40*	81,6 - *48*
	PNEUROP pumping speed (1) $m^3.h^{-1}$ - *cfm*		65 - *38,2*	78 - *45,9*
	Pumping speed at 1 mbar inlet pressure (1) $m^3.h^{-1}$ - *cfm*		40 - *23.5*	48 - *28,2*
E65.R HV	**Without gas ballast**	**End vacuum** mbar - *torr*	≤ 6.10^{-2} - *4,5.10⁻²*	≤ 6.10^{-2} - *4,5.10⁻²*
	Opened gas ballast 3 rotations	**End vacuum** mbar - *torr*	≤ 5.10^{-1} - *3,8.10⁻¹*	≤ 5.10^{-1} - *3,8.10⁻¹*
		Water vapor permitted maximum pressure mbar - *torr*	50 - *37,5*	42 - *31,5*
		Water vapor capacity $kg.h^{-1}$	2	1,9
	Fully opened gas ballast	**End vacuum** mbar - *torr*	≤ 3 - *2,3*	≤ 3- *2,3*
		Water vapor permitted maximum pressure mbar - *torr*	80 - *60*	67 - *50*
		Water vapor capacity $kg.h^{-1}$	3	3
E65.R	**Without gas ballast**	**End vacuum** mbar - *torr*	≤ 3 - *2,3*	≤ 3 - *2,3*
	Fully opened gas ballast	**End vacuum** mbar - *torr*	≤ 5 - *3,8*	≤ 5 - *3,8*
		Water vapor permitted maximum pressure mbar - *torr*	49 - *36,7*	43 - *32,2*
		Water vapor capacity $kg.h^{-1}$	1,7	1,7
	100 % synthetic oil		MV99S	MV99S
	Oil capacity l - *qt*		3 - *3,2*	3 - *3,2*
	Noise level dB(A)		67	72

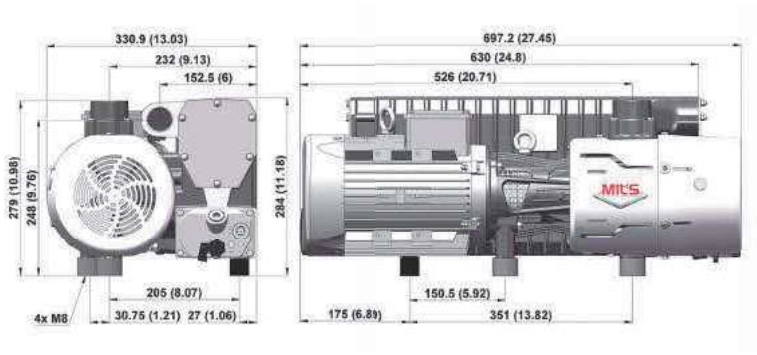
(1) *Measurements according to PNEUROP 6602 specifications - 20°C*

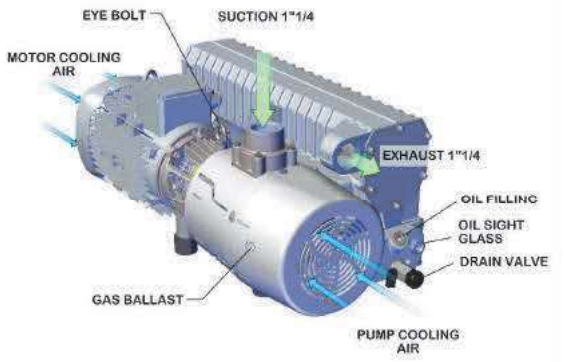
Versions

GEOGRAPHIC ZONE		EUROPE	ASIA MIDDLE-EAST	SOUTH AMERICA	USA	JAPAN
Electrical motor	**Number of phases**	3	3	3	3	3
	Voltage V	230 / 400	220 / 380	190 / 380	208-230 / 460	200 / 380
	Period Hz	50	60	50	60	50/ 60
	Motor power	1,50 kW	1,80 kW	1,50 kW	3 HP	1,50 / 1,80 kW
	Rotation speed min^{-1}	1500	1800	1500	1800	1500/1800
Inlet connection (2)		1''1/4 BSP	1''1/4 BSP	1''1/4 NPT	1''1/4 NPT	1''1/4 BSP
Outlet connection (3)		1'' 1/4 BSP	1'' 1/4 BSP	1'' 1/4 NPT	1'' 1/4 NPT	1''1/4 BSP
Weight with oil kg - *lb*		63,4 - *139,8*	71,6 - *157,9*	78,5 - *173,1*	78,5 - *173,1*	63,4 - *139,8*

(2) *DN 40 ISO-KF adaptation flange can be supplied, see accessories*
(3) *DN 40 ISO-KF connector can be supplied, see accessories*

Dimensions mm (inch)





References

	E65.R HV		E65.R	
	WITH GAS BALLAST	WITHOUT GAS BALLAST	WITH GAS BALLAST	WITHOUT GAS BALLAST
EUROPE 3ph, 230/400V-50Hz	**824247**	**824248**	**824245**	**824246**
SOUTH AMERICA/ USA 3ph, 190/380V-50Hz, 208-230/460V-60Hz	**824255**	**824256**	**824253**	**824254**
ASIA / MIDDLE-EAST 3ph, 220/380V-60Hz	**824263**	**824264**	**824261**	**824262**

JAPAN version - Contact us
Oxygen version available - Contact us

HV Accessories - KF connection

1 Suction filter DN40KF -Type 100

Suction flange DN40KF		**625018**
1 **Suction filter DN40KF - Type 100**	Paper cartridge	**625009**
	Polyester cartridge	**625010**
	Carbon cartridge	**625011**
Aluminium clamping ring DN40KF		**361639**
Stainless steel / Viton DN40KF centering ring		**361642**
Stainless steel DN40KF hose - 0,5 m		**361646**
Stainless steel DN40KF hose - 1 m		**361647**
Elbow DN40KF		**333818**
Equal T-square DN40KF		**333819**
Manual ball valve DN40KF		**333820**
Solenoid valve DN40KF		**333821**
Exhaust adapter 1"1/4 BSP - DN40KF		**625109**

Maintenance kits

3 000 hour usual maintenance with silicone o'ring for oil mist filter	**724601**
3 000 hour usual maintenance with viton o'ring for oil mist filter	**724602**
12 000 hour preventive maintenance	**724603**

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

1 Oil Level Safety (OLS) with float		625369
PT100 temperature sensor		625021
NC bimetal temperature safety - opening at 120°C - Max 24V		625022
2 1"1/4 BSP suction filter Type 126	Paper cartridge	706192
	Polyester cartridge	709398
	Carbon cartridge	710521
Ø126 vacuum gauge fitted on filter		617536
1"1/4 BSP polyester/carbon double filtration 126PO + 126CH		670617
Adjusting valve fitted on T-square		713841
3 Liquid trap 125 120 $m^3.h^{-1}$ 1"1/4 BSP	Aluminium head / plexiglass cylinder / without mechanical float	724797
	Aluminium head / plexiglass cylinder / with mechanical float	724798
	Aluminium head / Pyrex cylinder / without mechanical float	724811
	Aluminium head / Pyrex cylinder / with mechanical float	724812
	Stainless steel head / Pyrex cylinder / without mechanical float	724799
	Stainless steel head / Pyrex cylinder / with mechanical float	724800
	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"1/4 BSP		670650
Vacuum hose (1 m) MF 1"1/4 BSP		607058
Vacuum hose (1,5 m) MF 1"1/4 BSP		610457
Suction hose (1m) MM 1"1/4 with no return valve		770152
Exhaust double elbow mounting		625480
Base frame assembly height 150 mm		625209
4 Elevated base frame (H=525 mm)	For 1 pump	625210
	For 2 pumps	625211
	For 3 pumps	625212
Direct starter (wall mounting)	Without regulation contact 3-ph 400V	770496
	Without regulation contact 3-ph 230V	770498
	With regulation contact LG7 3-ph 400V	710423
	With regulation contact LG7 3-ph 230V	710432
Control board with FLEXO solenoid valve 3-ph ,400V + N for warm up and degasing cycle		770813
Control board with FLEXO solenoid valve 3-ph ,400V + N for degasing cycle		770820

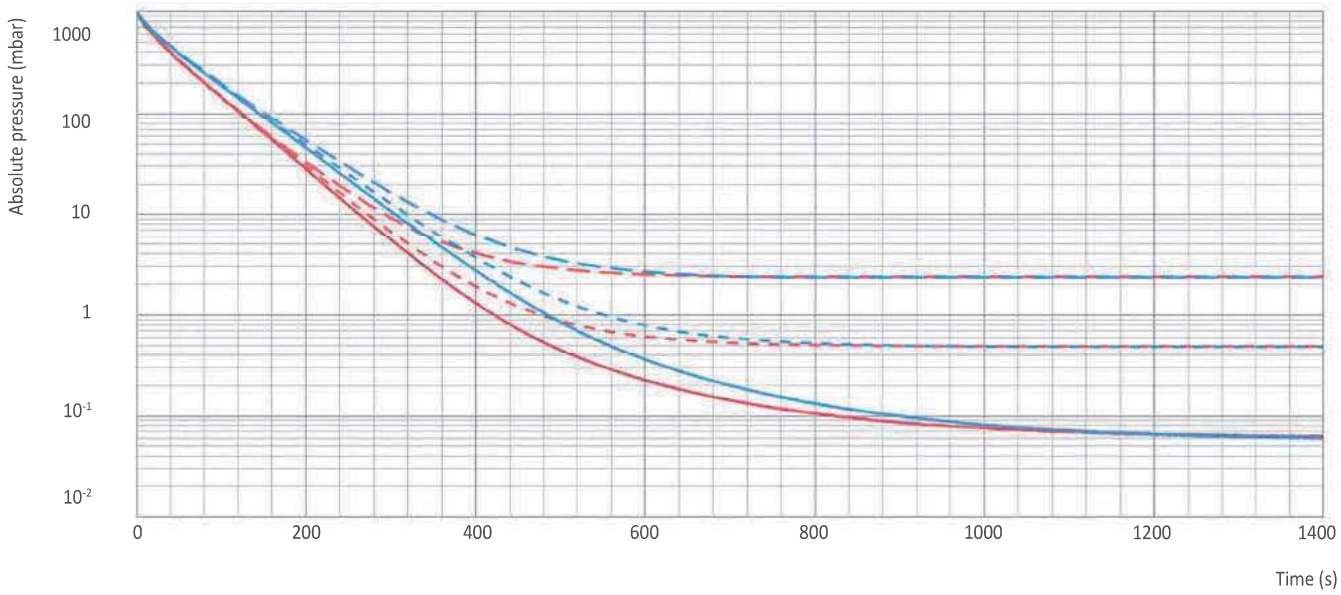
1 Oil Level Safety

2 suction filter type 126

3 Liquid trap 125 with mechanical stop and optional bottle

4 Elevated base frame for 2 pumps

Pumping speed on 1000 l vessel



Performance curves