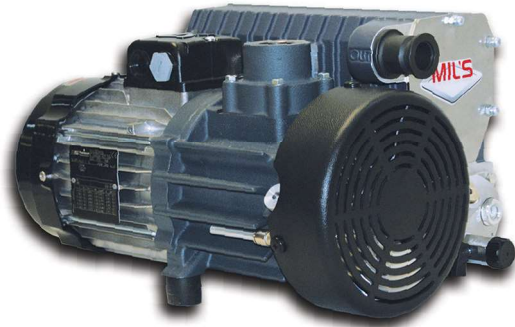


EVISA E40.R



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
E40.R HV	Nominal flow rate m ³ .h ⁻¹ - <i>cfm</i>		44 - 25.9	53 - 31.2
	PNEUROP pumping speed ⁽¹⁾ m ³ .h ⁻¹ - <i>cfm</i>		42 - 24.7	50 - 29.4
	Pumping speed at 1 mbar inlet pressure ⁽¹⁾ m ³ .h ⁻¹ - <i>cfm</i>		30 - 17.6	34 - 20.0
	Without gas ballast	End vacuum mbar - <i>torr</i>	≤ 6 x10 ⁻² - 4.5 x10 ⁻²	≤ 6 x10 ⁻² - 4.5 x10 ⁻²
		End vacuum mbar - <i>torr</i>	≤ 6 x10 ⁻¹ - 4.5 x10 ⁻¹	≤ 6 x10 ⁻¹ - 4.5 x10 ⁻¹
	Opened gas ballast 1,5 rotation	Water vapor permitted maximum pressure mbar - <i>torr</i>	13.6 - 10.2	18.4 - 13.8
		Water vapor capacity kg.h ⁻¹	0.34	0.53
	Fully opened gas ballast	End vacuum mbar - <i>torr</i>	≤ 6.0 - 4.5	≤ 6.0 - 4.5
		Water vapor permitted maximum pressure mbar - <i>torr</i>	143 - 107	326 - 244
Water vapor capacity kg.h ⁻¹		3.7	10.6	
E40.R	Without gas ballast	End vacuum mbar - <i>torr</i>	≤ 2.0 - 1.5	≤ 2.0 - 1.5
	Fully opened gas ballast	End vacuum mbar - <i>torr</i>	≤ 3.0 - 2.2	≤ 3.0 - 2.2
		Water vapor permitted maximum pressure mbar - <i>torr</i>	107 - 80	233 - 174
		Water vapor capacity kg.h ⁻¹	2.7	7.5
100 % synthetic oil			MV99S	MV99S
Oil capacity l - <i>qt</i>			1.0 - 1.1	1.0 - 1.1
Noise level dB(A)			58	60

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

Versions

GEOGRAPHIC		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	1.10 kW	1.10 kW	1.10 / 1.32 kW	1.10 kW	2.0 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		35.5 - 78.3	34.3 - 75.6	34.3 - 75.6	35.0 - 77.2	35.0 - 77.2

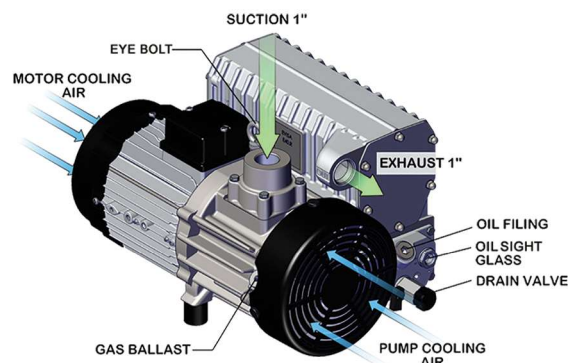
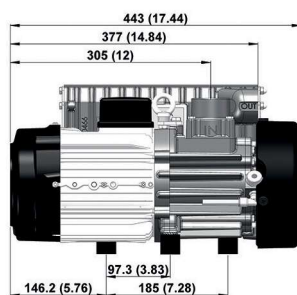
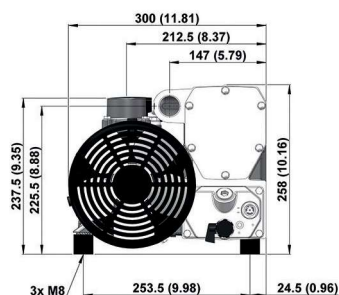
⁽²⁾ DN 40 ISO-KF adaptation flange can be supplied, see accessories

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

Specifications are subject to be changed without notice.

Lubricated rotary vane vacuum pumps

Dimensions mm (inch)



References

	E40.R HV		E40.R	
	WITH GAS BALLAST	WITHOUT GAS BALLAST	WITH GAS BALLAST	WITHOUT GAS BALLAST
EUROPE 1ph, 230V-50Hz	824180	824182	824184	824186
EUROPE / ASIA 3ph, 230/400V-50Hz, 220/380V-50/60Hz	824093	824188	824092	824190
SOUTH AMERICA / USA 3ph, 190/380V-50Hz, 208-230/460V-60Hz	824095	824192	824194	824196
JAPAN 3ph, 200/380V-50/60Hz	824097	824198	824200	824202

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	625009
Paper cartridge	625010
Polyester cartridge	625011
Carbon cartridge	361639
Aluminium clamping ring DN40KF	361642
Stainless steel / Viton DN40KF centering ring	361646
Stainless steel DN40KF hose - 0,5 m	361647
Stainless steel DN40KF hose - 1 m	333818
Elbow DN40KF	333819
Equal T-square DN40KF	333820
Manual ball valve DN40KF	333821
Solenoid valve DN40KF	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

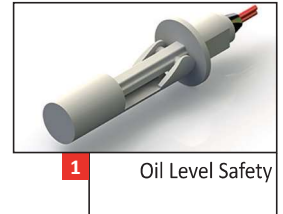


12 000 hour
preventive
maintenance

Specifications are subject to be changed without notice.

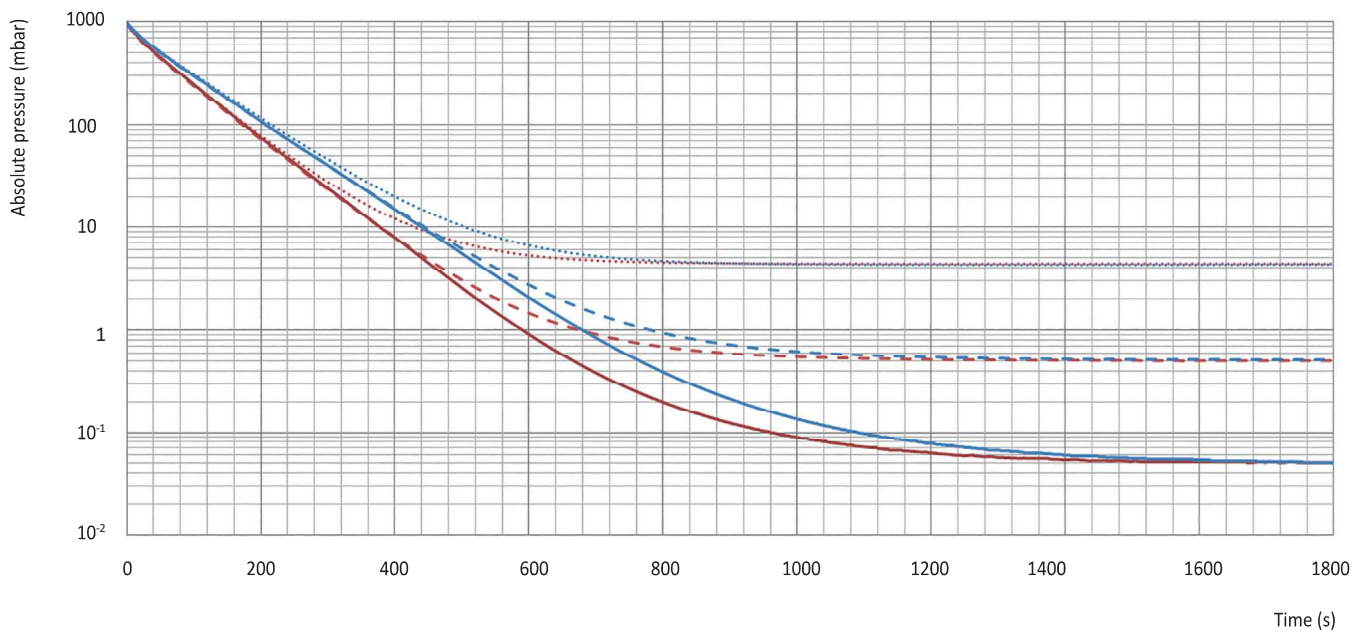
Accessories and Options

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 2NG 120 m³.h ⁻¹ 1" 1/4 BSP	Brass head / polycarbonate cylinder / without float	716600
		Brass head / polycarbonate cylinder / with float	716565
		Brass head / Pyrex cylinder / without float	716601
		Brass head / Pyrex cylinder / with float	716592
		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		770496
	Without regulation contact 1-ph 230V + E		770504
	With regulation contact LG7 3-ph 400V + N + E		710423
	With regulation contact LG7 1-ph 230V + E		710435
	With regulation contact LG7 + Timer 3-ph 400V + N + E		724570
		With regulation contact LG7 + Timer 1-ph 230V + E	724571
Direct starter with regulation contact LG7 and Flexo valve for warm up and degassing system - 3-ph 400V + N + E		724580	
Direct starter with regulation contact LG7 and Flexo valve for warm up and degassing system - 1-ph 230V + E		724581	
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

