

FORCED DRAFT AMBIENT VAPORIZER

Forced Draft Ambient Vaporizer for Carbon Dioxide

- Continuous Gas Supply** ▪
- Automatic Control** ▪
- Simple Installation** ▪
- Efficient Operation** ▪
- Compact Size** ▪
- CE marking** ▪



The MV type "forced draft ambient vaporizer" for CO₂ service combine advantages of a low cost operation of ambient vaporizers with a reliability and dependability of electrical heater

The heat for evaporation of liquid gas is taken from surrounding air, the electricity serves only for urging the air against the heat transfer area.

The operation of the MV type vaporizers is fully automatic and the dual (1 unit "on stream", 1 unit regenerating) design allows for continuous supply of gaseous product.

The MV vaporizers are intended for indoor operation.



Innovation. Experience. Performance.

Chart Ferox, a.s., a Chart Industries Company

Chart Ferox, a.s. • Ústecká 30 • CZ-405 30 Děčín • Czech Republic • ph/ +420-412-507 343 • fx/ +420-412-507 297

Chart Ferox GmbH • Brosshauser Straße 20 • D-42697 Solingen • Germany • ph/ +49-(0)212-2 33 67-0 • fx/ +49-(0)212-2 33 67-10

Email: ferox-sales@chart-ind.com • Internet: <http://www.chart-ferox.com>

03110068E-0207 © 2007, Chart Ferox, a.s., a Chart Industries Company, All Rights Reserved

FORCED DRAFT AMBIENT VAPORIZER

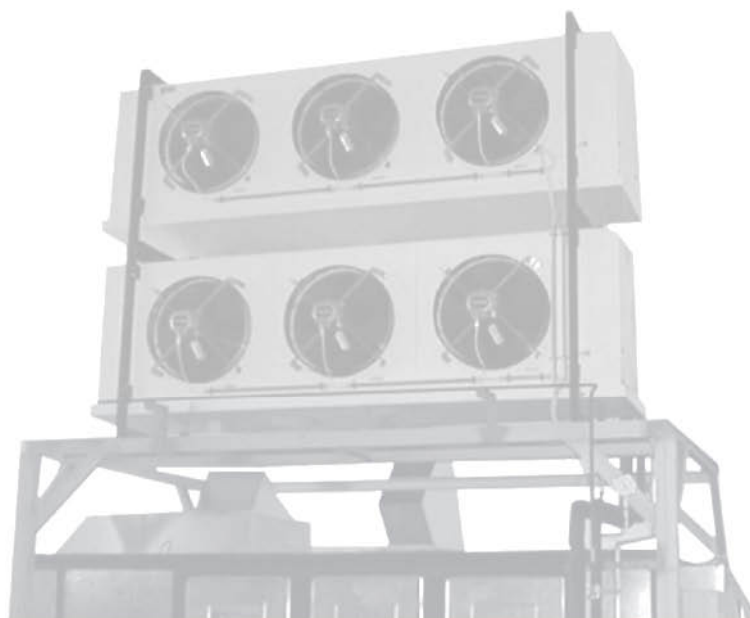
Technical Specifications

Type		MV1000	MV500
Flowrate	kg/hr of LIC	1000 *) **)	500 *) **)
Max. allowable working pressure	bar	25	
Fluid temperature	°C	-40 to +50	
Heat transfer area	m ²	2x 101	2x 67
Connections		Cu tube D28x1 for soldering ***)	
Materials		Cu tubing with Al fins	
Dimensions	mm	2850x2090x1250	2040x2090x1250
Weight (dry)	kg	500	300
Weight (max.)	kg	575	350
Power supply		3x400/230 V, 50 Hz	
Power consumption	kVA	3,4	2,3
Protection class		IP 54	
Control functions		<ul style="list-style-type: none"> - switching between bundles (time preset manually by user) - low outlet temperature shut-down (protection of downstream equipment from contact with LCO₂) - high inlet temperature shut-down (energy savings when no flow) 	

*) Guaranteed for ambient air temperatures higher than 7 °C

**) Units can be connected in parallel for higher flowrates

***) Other connections available upon request



Innovation. Experience. Performance. ®

Chart Ferox, a.s., a Chart Industries Company

Chart Ferox, a.s. • Ústecká 30 • CZ-405 30 Děčín • Czech Republic • ph/ +420-412-507 343 • fx/ +420-412-507 297

Chart Ferox GmbH • Brosshauser Straße 20 • D-42697 Solingen • Germany • ph/ +49-(0)212-2 33 67-0 • fx/ +49-(0)212-2 33 67-10

Email: ferox-sales@chart-ld.com • Internet: <http://www.chart-ferox.com>

03110068E-0207 © 2007, Chart Ferox, a.s., a Chart Industries Company, All Rights Reserved