## AIRSAVE UTIMATE SYSTEM FOR ABSOLUTE SAFETY

With the Airsave Ultimate and Airsave Ultimate Oil Control you can optionally purchase optional equipment for a maximum operational safety and cost efficiency.

 $\sqrt{}$  For filling we have different filling ramps available. These can be equipped with up to 8 filling connections in pressure ranges and configurations according to your requirements. Of course, IDE supplies these filling ramps also in stainless steel.

## √ AIRSAVE PRO E

Over a measuring sensor built in the dryer cartridge is recorded and sent to the AIRSAVE Pro E dryer cartridge saturation monitoring system. The condition of the cartridge is indicated by a simple traffic light system.

## √ AIRSAVE ULTIMATE (OPTIONAL)

Over the additionally integrated CO,  $CO_2$ ,  $O_2$ , water in  $mg/m^3$ , temperature, monitoring system the AIRSAVE-ULTIMATE unit supervises the legal standard limit for the compressor unit and switches off by exceeding these limit values. This function supervises the working reliability of the compressor and guarantees an optimal protection in a  $CO-CO_2$  contaminated work surrounding field or irregular operating conditions of the compressor. The AIRSAVE ULTIMATE unit also supervises the service and oil change intervals. Optional also monitors the AIRSAVE- unit the CO2, the temperature of the ambient air and the presence of flammable gases.

## √ AIRSAVE ULTIMATE OIL CONTROL (OPTIONAL)

From now on we also can measure VOC and the residual oil content in the compressed air permanently. A quantum leap! Filling with AIRSAVE ULTIMATE together with "AIRSCRUBBER" guarantee the compliance with the main parameters of the DIN EN 12021, DIN 8573 and intl. standards int. IDE defined with its integrated air monitoring AIRSAVE ULTIMATE OC the premium to the prior art.

# IDE defined with AIRSAVE ULTIMATE and AIRSAVE ULTIMATE OIL CONTROL the state of the art





External AIRSAVE ULTIMATE (with OIL CONTROL) wall-mounted version

## ► Model specification

Modell, Working Pressure	Voltage	Capacity	rpM	грМ		Filter	Filter			Weight
225 or 330 bar <sup>a)</sup>	Three phase	l/min	rpM	kW	HP		L	W	Н	kg
TMI 260- MARINE	400V 50/60 Hz	260	1.500	5,5	7,5	FT 310	60	60	95	210
TMI 310- MARINE	400V 50/60 Hz	310	1.450	5,5	7,5	FT 310	60	60	95	215
TMI 380- MARINE	400V 50/60 Hz	380	1.250	7,5	10	FT 410	60	60	95	225

Version/Date 24.01.2023 ( AS )
Technical specifications subject to change.
Illustrations may include optional equipment



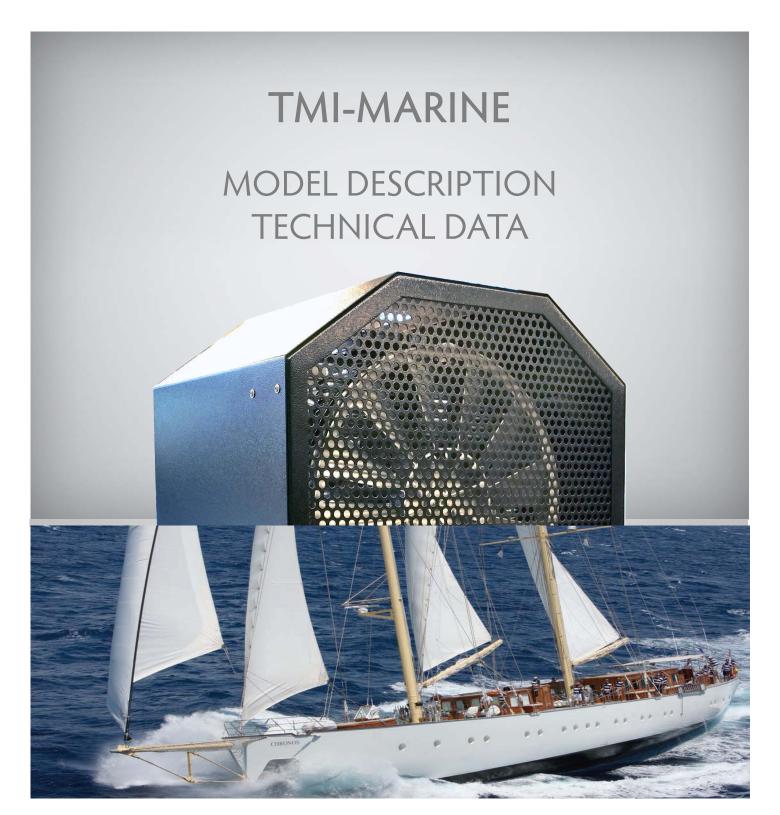






## IDE COMPRESSORS

Nussdorfer Str. 17 a D-83098 Brannenburg www.ide.de, office@ide.de





# IDE COMPRESSORS

## **IDEAS AHEAD**

√ Designed for high delivery performance and ease of use, equipped with the world's most advanced compressor block generation, this system impresses with its features and compactness. Due to the frame made of stainless steel and the compressor block outside entirely in aluminum, the system can be safely used in humid environments and areas. All fittings and pipes are made of stainless steel V4A. This plant is almost predestined for use under the most adverse climatic conditions.





## ▶ MATERIAL

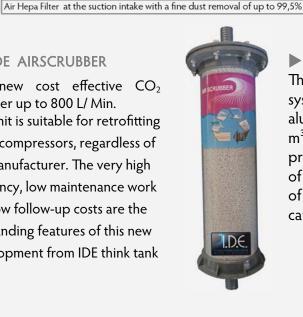
- $\sqrt{\text{Cylinders with special honed NICASIL plated sleeves}}$ .  $\sqrt{}$  performance by interstage coolers of stainless steel.
- $\sqrt{\text{Low-maintenance stainless steel lever filling valves (option)}}$ with safety filling connections and/or highly flexible inflating tubes from Kevlar with safety filling connectors made of stainless steel with safety flow stop.

- $\sqrt{}$  Service partners with spares supply in almost 20 countries.
- $\sqrt{\text{Large training and instruction offers for technical education.}}$
- $\sqrt{\text{Project oriented and cost oriented consultation in close}}$ cooperation with the customer.

## ► SAFE? SAFE!

- $\sqrt{}$  Breathing air in accordance with international standards, under normal use and maintenance, according to the manual and Airscrubber CO2 filter for high CO2 concentration in the intake air.
- $\sqrt{}$  Screw connections on all pressurised components designed and laid out for at least x 1.5-4 times safety.





# ► IDE AIRSCRUBBER

The new cost effective CO<sub>2</sub> prefilter up to 800 L/Min. The unit is suitable for retrofitting on all compressors, regardless of the manufacturer. The very high efficiency, low maintenance work and low follow-up costs are the outstanding features of this new development from IDE think tank

**EQUIPMENT AND OPTIONALS TMI** 

1 Main air outlet for connection of an external filling ramp

AIRSAVE PRO E Trochnerpatronen-Sättigungs-Überwachung

Dryer system FT 310= 1000 m<sup>3</sup> @ 20°C; FT 410 = 1200 m<sup>3</sup> @ 20°C

Temperature Silent Cabine HMI TCC-Control

Oilpressure control CC- CONTROL and HMI TCC-Control

Pressure of the intermediate stages HMI TCC-CONTROL

HMI TCC-CONTROL-OM output management Filling speed control

Automatic flush out of CO<sub>2</sub> from the dryer tower HMI TCC-Control

Air Hepa Filter at the 300 bar outlet with fine dust filtration up to 1  $\mu$ 

AIRSCRUBBER reduces CO: concentration in the intake air up to -800 L/Min.

Pressure of the intermediate stages analog with gauges

Remote control max. 300 mtr. HMI TCC-CONTROL

30 I collecting tank with niveau control and silencer Condensate canister over fill control HMI TCC-CONTROL

Oiltemperature control HMI TCC-CONTROL

Oilniveau level control HMI TCC-Control

CC-CONTROL electronic compressor control with 2,4" TFT display (\*1)

Temperature last compressor stage CC- CONTROL and HMI-TCC Control

AIRSAVE ULTIMATE Airquality control for CO, CO2, O2, humidity/water in mg/m3, temperature, dew point (integrated)

Activated carbon adsorber for removing all oil vapors and hydrocarbons for Aisave Oil Control

Temperature each compressor stage, additional costs each stage/sensor HMI TCC-Control

Dryer system FT 410 additional price for TMI 260/330 models, further larger dryer systems optionally available

Dryer system FT 610 Airsave = 1.800 m<sup>3</sup> @ 20°C, additional price for an upgrade from models TSI 160/260/330

IDE HIGH END Compressor Control Automatic Start/Delta control with motor protection relay also Automatic stop at Endpressure

HMI TCC-CONTROL, computer added on ANDROID based CAN-Bus compressor control with 7" Touch Screen (\*1)

Automatic condensate drain with silencer and 5 liter collecting tank (automatically every 15-20 minutes)

Comunication module HMI-TCC Control for sending Error anouncement by SMS on two different phone numbers

AIRSAVE ULTIMATE +OIL VOC \* residual oil measuring with PID Sensor (not fullfilling DIN EN12021+DIN 8573)

AIRSAVE ULTIMATE OIL CONTROL\* rest oil measurement down to 0,001 mg/m³ acc. to DIN EN12021+DIN 8573

AIRSAVE ULTIMATE OIL GUARD \* residual oil and aerosoles measure fixed values 0,1 or 0,5 mg/m³acc. to DIN EN12021

200 or 300 bar version

## ▶ BREATHING AIR QUALITY

The TMI-series 260-360 offers the FT-310 dryer system with a dryer from a high-quality anodized aluminium alloy, dimensioned for approx. 1.000 m³ @ 20° C dryer tower temperatureand final pressure up to 350 bar. The FT-410 dryer system of the TMI-series 380 is dimensioned for amounts of air up to 1.200 m<sup>3</sup>. The dryer cartridge change can be completed in shortest time.

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