

AIRSAVE ULTIMATE 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.

✓ 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, CO₂, O₂, water in mg/m³, 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-CO₂ 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		Filter	Filter			Weight	
			rpm	HP		L	W	H		kg
225 or 330 bar ^{*)}	Three phase	l/min	rpm	kW	HP					
TMI 260	400V 50/60 Hz	260	1.500	5,5	7,5	FT 310	60	60	95	210
TMI 360	400V 50/60 Hz	360	1.580	5,5	7,5	FT 310	60	60	95	215
TMI 380	400V 50/60 Hz	380	1.400	7,50	10	FT 410	80	85	95	235



DEUTSCHE MANUFAKTUREN

IDE COMPRESSORS MANUFAKTUR GMBH

Auf der Gröb 5, D-83064 Raubling

www.ide.de, office@ide.de

Version/Date 01.05.2019 (AS)
 Technical specifications subject to change.
 Illustrations may include optional equipment



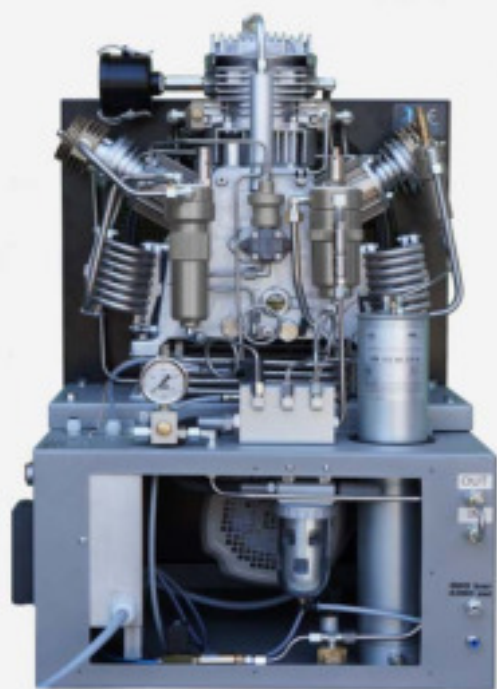
IDE COMPRESSORS

MANUFAKTUR GMBH

JUST BREATHE WE TAKE CARE OF YOUR AIR

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

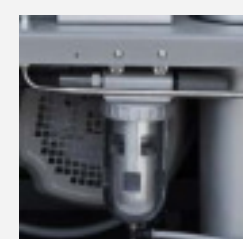
- ✓ Cylinders with special honed casted iron sleeves.
- ✓ performance by interstage coolers of stainless steel.
- ✓ Low-maintenance stainless steel lever filling valves (option) with safety filling connections and/or highly flexible inflating tubes from Kevlar with safety filling connectors made of stainless steel with safety flow stop.

► SERVICE

- ✓ Service partners with spares supply in almost 20 countries.
- ✓ Large training and instruction offers for technical education.
- ✓ Project oriented and cost oriented consultation in close cooperation with the customer.

► SAFE? SAFE!

- ✓ 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.
- ✓ Screw connections on all pressurised components designed and laid out for at least x 1.5-4 times safety.



EQUIPMENT AND OPTIONS TMI	Option / Standard
200 or 300 bar version	●
1 Main air outlet for connection of an external filling ramp	●
2nd pressure range (200 and 300 bar shareable)	○
Automatic condensate drain and Auto Stop at Endpressure, automatically over CC-Control integrated in the compressor	●
Filling panel extern (2,4,6 oder 8 direct- or with hoseconnections)	○
Dryer system FT 310 = 1000 m³ @ 20°C; FT 410 = 1200 m³ @ 20°C	●
Dryer system FT 410 additional price for TMI 260/330 models, further larger dryer systems optionally available	○
AIRSAVE PRO E Dryer cartridge saturation control	●
AIRSAVE ULTIMATE Airquality control for CO, CO₂, O₂, humidity/water in mg/m³, temperature, dew point (for wallmounting)	○
AIRSAVE ULTIMATE incl. OIL CONTROL, VOC and rest oil measurement acc. To DIN EN 12021 + 8573 (for wallmounting)	○
Additional activated carbon adsorber eliminates all oil vapors and hydrocarbons for Airsave Oil Control	○
Compressor Control: CC-Control, computerized electronic compressor control: The following parameters can be adjusted and/or controlled: 1. Setting and supervision out-oil pressure; 2. Setting and supervision of the re-start pressure with fully automatic operation; 3. Operating mode selection, fully automatic, semi-automatic; 4. Control of the intermediate pressures (sensors optional); 5. Control of the temperature of the last compression stage (sensor optional); 6. Control of the oil temperature (sensor optional); 7. Control of the oil pressure (sensor optional); 8. Emergency/Off-function with automatic re-start after power failure; 9. Adjustable normal dryer saturation control; 10. Setting and control of the condensate drain automatic; 11. Automatic pressure release for pressureless re-start; 12. Setting and control of the star-delta motor control; 13. Control of the motor temperature with motor protection, switch-off; 14. Documentation of the load cycles of the pressure tanks 15. Test mode to test the condensate drain automatic, the safety valves and the compressor power; 16. Control of the suction dryer changing intervals with indication of the order codes; 17. Control of the oil dryer changing intervals with indication of the order codes; 18. Control of the oil changing intervals with indication of the order codes; 19. Control of the inspection- and maintenance intervals 20. Documentation of the operating hours with logging of the normal hours, the emergency mode hours with operation reason; 21. Control of the valve changing intervals of the particulate compression stages with optical signal; 22. Input of vans operating codes 23. Release of service codes	●
Automatic Start/Stop control with motor protection relay, uploader and Automatic Stop at Endpressure	●
Temperature Control last compressor stage	○
Direction of rotation monitoring with phase reversing plug	○
Remote control for CC-Control on the external filling ramp	○
Oillevel control	○
Oiltemperature control	○
AIRSCRUBBER: reduces CO₂ concentration in the intake air up to 800 L/Min	○
Air Hepa Filter at the 300 bar outlet with fine dust filtration up to 1µ	○
Air Hepa Filter at the suction intake with a fine dust removal of up to 99,5%	○

●-Standard, ○-optional, X-not available

► IDE AIRSCRUBBER

The new cost effective CO₂ 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



► 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 temperature and 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 m³. The dryer cartridge change can be completed in shortest time.