

AIRSAVE ULTIMATE SYSTEM FOR ABSOLUTE SAFETY

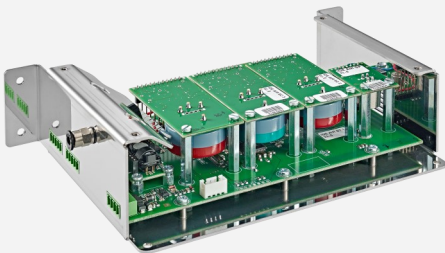
✓ HMI TCC-Control

In order to optimize the operational safety, the comfort, the disturbance monitoring and the quality of the air, a new compressor control for stationary plants was developed. The control HMI control unit has a 7 "multi color touch screen. USB ports, a W-LAN connection for reading in software updates and read-outs as well as visualization are also implemented, as is another interface for a CAN bus for connecting a remote control module, MSR and other extensions. Via this interface, e.g. An external filling panel can be equipped with the same functions and possibilities.



✓ AIRSAVE ULTIMATE

Over the additionally integrated CO, CO₂, O₂ water in mg/m³, temperature, onitoring 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

► Model specification

Modell, Working Pressure	Voltage	Capacity	Stages	rpM	Motor	Power	Filter	Dimensions			Weight
225 or 330 bar ^{a)}	Three phase	l/min	Stufen	rpM	kW	HP		L	W	H	kg
TVCS 450 350 bar TVCS 450 420 bar	400V 50/60 Hz	450	4	1.250	7,5 9	10 12	FT 410	130	94	175	446
TVCS 550 350 bar TVCS 550 420 bar	400V 50/60 Hz	550	4	1.150	9 11	12 15	FT 410	130	94	175	451
TVCS 650 350 bar TVCS 650 420 bar	400V 50/60 Hz	650	4	1.100	11 11	15 15	FT 810	130	94	175	455
TVCS 750 350 bar TVCS 750 420 bar	400V 50/60 Hz	750	4	1.250	11 15	15 20	FT 810	130	94	175	463
TVCS 850 350 bar	400V 50/60 Hz	850	4	1.380	15	20	FT 810	130	94	175	470

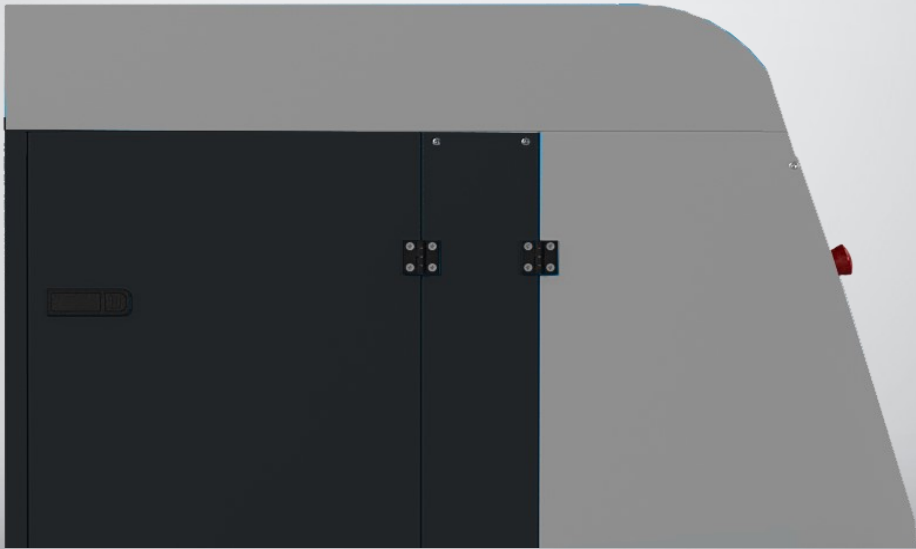


Nussdorfer Strasse 17 a,
DE 83098 Brannenburg
office@kompplan.de
www.ide.de, www.kompplan.de

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Technical specifications subject to change.
Illustrations may include optional equipment

TVCS

MODEL DESCRIPTION
TECHNICAL DATA



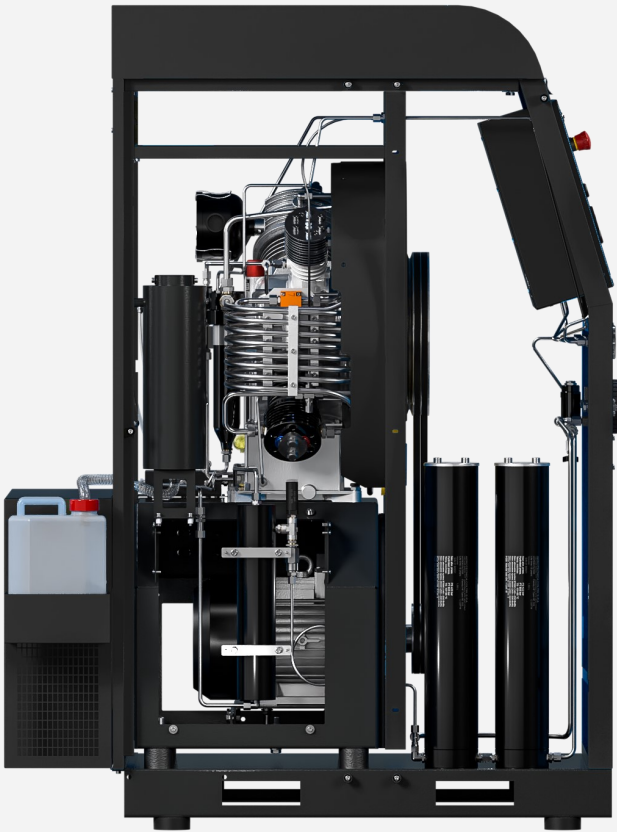
JUST BREATHE WE TAKE CARE OF YOUR AIR

✓TVCS

Consistently designed for high delivery performance and ease of use, equipped with the world's most advanced compressor block generation from IDE Compressors, this system impresses with features and compactness and extremely quiet operation. The closed frame construction offers noise reduction (68 db (A)) and optimum protection for the operator. If required, the systems can also be retrofitted with external filler strips and storage batteries.

✓ENERGY EFFICIENCY

Energy efficiency and maximum safety are nowadays two of the most important requirements set for manufacturers of machines and electrical equipment. IDE Compressors has always taken this task very seriously and therefore developed the



► MATERIAL

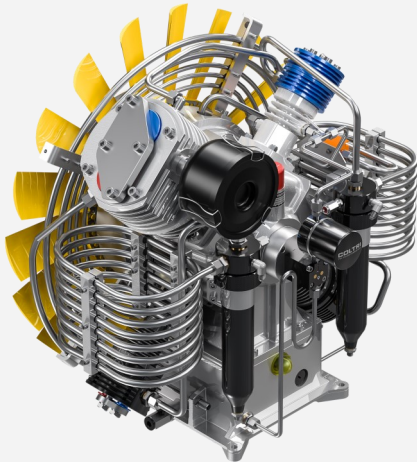
- ✓Cylinders with special honed casted iron sleeves.
- ✓performance by interstage coolers of stainless steel.
- ✓Low-maintenance stainless steel lever filling valves (option) with safety filling connections and/or highly flexible inflating tubes from Kevlar with safety filling connectors made of stainless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

► SAFE? SAFE!

- ✓Breathing air in accordance with international standards, under normal use and maintenance, according to the



EQUIPMENT AND OPTIONALS TVCS	450-550	650-850
High pressure main air outlet	1	1
Possible Filling Connections: filling valves with hose connection, 1,3 mtr. with handgrip and kink protection (max. 5 pieces) Or filling panel extem: (4 or 8 direct-or hose connections)	price per connection	
2nd pressure range (200 or 300 bar shareable)		
AIRSAVE PRO E electronic dryer cartridge saturation control		
AIRSAVE ULTIMATE Airquality control for CO,CO ₂ ,O ₂ , humidity/water in mg/m ³ , temperature, dew point (integrated)		
AIRSAVE ULTIMATE OIL GUARD * rest oil control acc. to DIN EN 12021:2014 + DIN 8573		
AIRSAVE ULTIMATE OIL CONTROL * VOC and rest oil measurement acc. to DIN EN 12021:2014 + DIN 8573		
Additional activated carbon adsorber eliminates all oil vapors and hydrocarbons for Airsave Oil Control		
Dryer system FT 410 Airsave = 1.400 m ³ @ 20°C	●	X
Dryer system FT 810 Airsave = 2.400 m ³ @ 20°C (additional price for upgrade Model TFVS 420-520 to FT 810 System)		●
High End Compressor Control Automatic Star/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		
Temperature each compressor stage HMI TCC-Control, price each stage		
Temperature last compressor stage CC-CONTROL and HMI-TCC Control		
Temperature Silent Cabine HMI TCC-Control		
Oiltemperature control CC-CONTROL and HMI TCC-CONTROL		
Oilpressure control CC-CONTROL and HMI TCC-Control		
Oilniveau level control HMI TCC-Control	●	●
Pressure of the intermediate stages HMI TCC-Control, price each stage	price per stage	
Pressure of the intermediate stages analogue with pressure gauges	price per stage	
Remote control max. 300 mtr. HMI TCC-Control including ex protected Aluminium desk housing		
Communication module for sending SMS error messages to two different phone numbers		
HMI TCC-CONTROL-OM output management filling speed control		
Automatic condensate drain with silencer and 5 ltr. collecting tank (automatically every 15-20 minutes)	●	●
30 l collecting tank with niveau control and silencer		
Condensate canister over fill control HMI TCC-CONTROL		
Automatic flush out of CO ₂ from the dryer tower HMI TCC-Control		
AIRSCRUBBER reduces CO ₂ concentration in the intake air up to 800L/Min.		
Air Hepa Filter at the 300 bar outlet with fine dust filtration up to 1µ		

● =Standard, ○ =optional, X= not available, * = only available with Airsave Ultimate

► 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



► BREATHING AIR QUALITY

The TVCS-series 420-520 offers the FT-410 dryer system with a dryer from a high-quality anodized aluminium alloy, dimensioned for approx. 1.200 m³ @ 20° C dryer tower temperature and final pressure up to 420 bar. The FT-810 dryer system of the TVCS-series 650-850 is dimensioned for up-readyable amounts of air up to 2.400 m³. The dryer unit can be optimally achieved by the outwardly opening housing front for a dryer cartridge change and the dryer cartridge change can be completed in shortest time.

