

## Equipment details for optimal safety

### COOL & DRY

High pressure refrigeration dryer COOL&DRY 900 Filter capacity and filter service life are an important issue, especially for professional filling companies that want to keep their costs under control.

The filter service life and thus the consumption of filter cartridges is dramatically extended by Cool&Dry. (up to 8 times longer filter life) IDE-COOL&DRY high-pressure refrigeration dryers are designed as stand-alone units with oil/water separators and automatic condensate drainage.



### IDE AIRSCRUBBER CO<sub>2</sub>

Effectively removes CO<sub>2</sub> from the breathing air. New low-cost prefilter. Space-saving. Low purchase price, low maintenance costs.

The pre-filter is suitable for retrofitting to all compressors, regardless of manufacturer.



### Intermediate storage extension

Breathing air storage system extension for intermediate storage of compressed air and cascaded filling of breathing air devices.

Available with 360 bar or 450 bar working pressure with wall bracket 2/3/4-fold, as 6-fold cylinder rack or as 9-bottle rack with single shut-off, safety valve and pressure gauge.



### IDE high-pressure hepa fine dust filter

Environmental influences such as viruses, pollen, bacteria and fine dust particles affect our health. The IDE high-pressure Hepa fine dust filter filters out everything larger than 1µ from the compressed air.

air, e.g. viruses, bacteria, toxic pathogens or radioactive dusts. These pollutants are not filtered out.



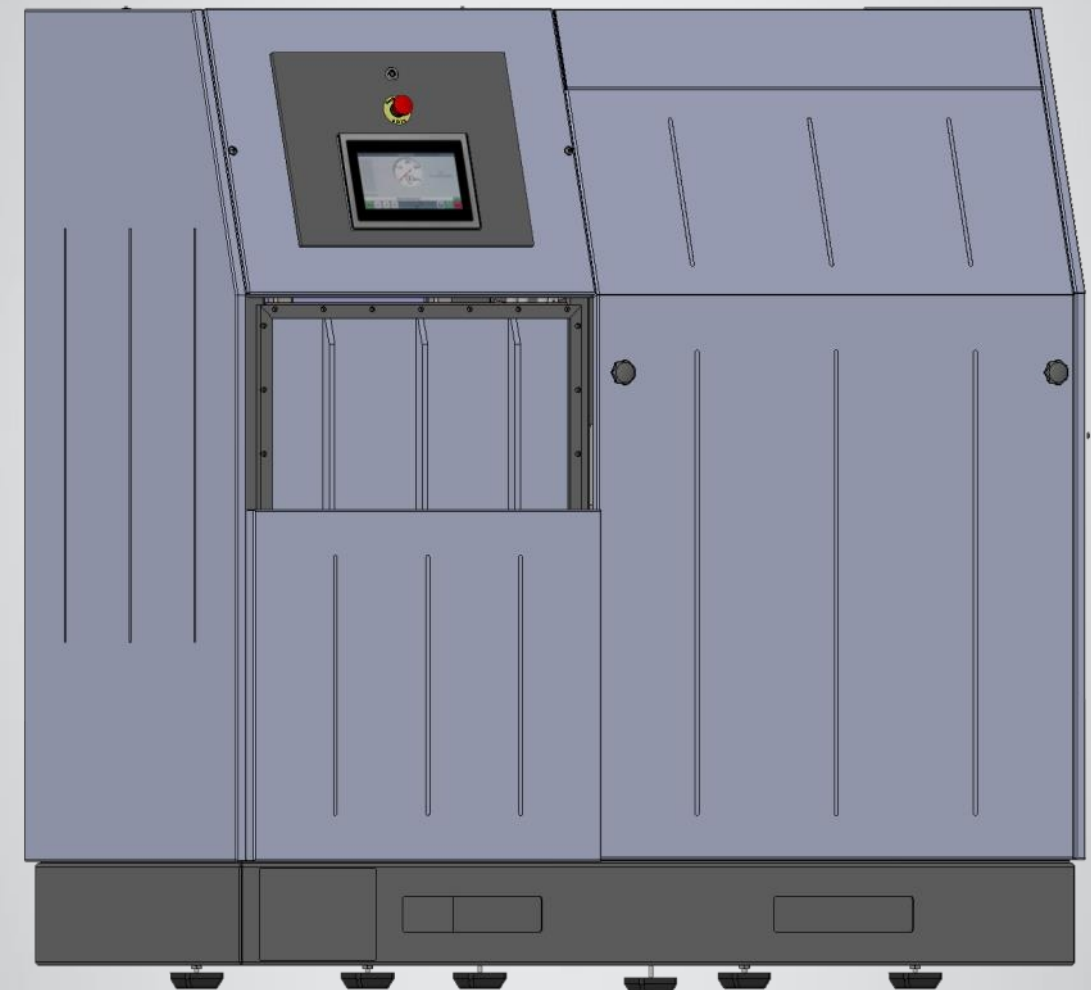
IDE defines the state of the art with the HMI-TCC, the AIRSAVE ULTIMATE and the TVCCF compact filling system

### ► Model specification

Modell, Working Pressure	Voltage	Capacity	Stages	rpm	Motor	Power	Filter	Dimensions			Weight
								L	W	H	
225-330-420 bar	Voltage	l/min	Stages	rpm	kW	HP		L	W	H	kg
TVCCF 400 350 bar TVCCF 400 420 bar	400V 50/60 Hz	400	4	950	7,5 9	10 12	FT 410	190	90	195	1050
TVCCF 550 350 bar TVCCF 550 420 bar	400V 50/60 Hz	550	4	1.150	9 11	12 15	FT 810	190	90	195	1100
TVCCF 650 350 bar TVCCF 650 420 bar	400V 50/60 Hz	650	4	1.100	11 11	15 15	FT 810	190	90	195	1130
TVCCF 750 350 bar TVCCF 750 420 bar	400V 50/60 Hz	750	4	1.250	11 15	15 20	FT 810	190	90	195	1150
TVCCF 850 350 bar	400V 50/60 Hz	850	4	1.380	15	20	FT 810	190	90	195	1150

## TVCCF ALL IN ONE

Compact filling system  
Product information  
technical Data



IDE COMPRESSORS



IDE COMPRESSORS  
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Issue date: 01.08.2023 (AS)  
Subject to technical changes  
Illustrations may show optional extras.

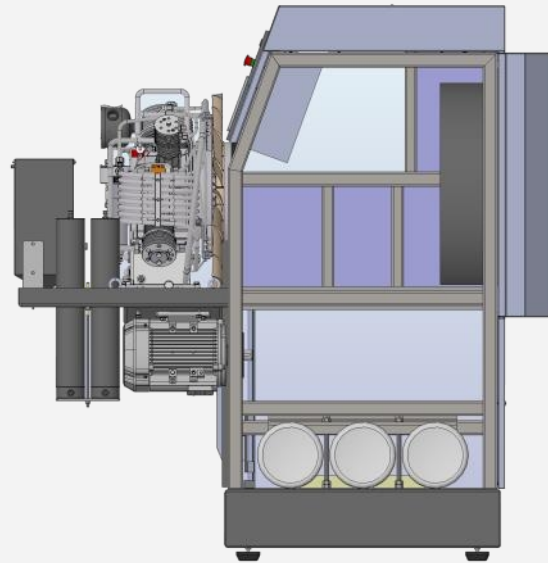
# just breathe , we take care of your air

## "TVCCF" ALL IN ONE SUPER SILENT COMPACT FILLING SYSTEM

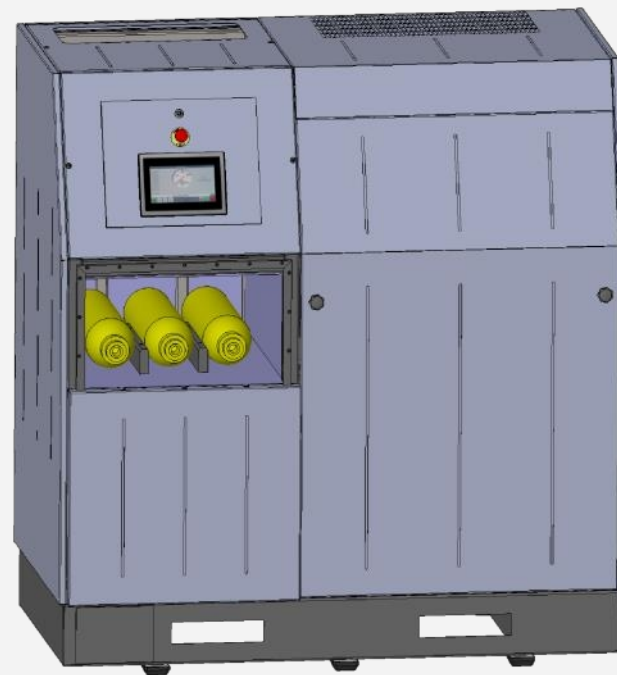
Compact breathing air filling unit with safety filling box, intermediate storage and air quality monitoring.

The TVCCF can be operated with a pressure of 150 - 2420 bar.  
The filling system can be equipped with a filling capacity of 400-850L/min. It impresses with its convenient intuitive control and particularly easy and safe handling.  
The cabin is soundproofed and does not reach 70 db(A) in the strongest version.

The TVCCF can be operated with a pressure of 150-420 bar.  
The filling unit can be equipped with a filling capacity of 400 - 850 L/min.  
It impresses with its convenient, intuitive controls and particularly easy, safe handling. Unsurpassed ease of maintenance, as the complete compressor unit with the filter towers is lifted out to the front for filter cartridge replacement or compressor service and maintenance.



A safety filling box integrated into the line with three filling stations protects against bottle bursting during the filling process. When the con-  
In order to make the handling even easier and safer, the design of the opens and closes the Box electrically and fully automatically by means of a safety circuit. The bottles are simply placed in the safety box at a height of 80 cm without any effort.  
filling box and connected. For loading and unloading, the filling box is completely depressurised; only after closing the front door is the box pressurised and the filling process can be started.



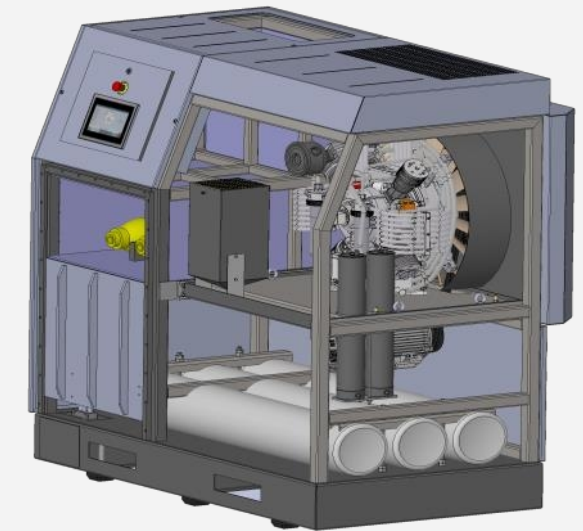
## HMI-TCC CONTROL

The complete plant, including the safety filling box, is controlled with the "state of the art" IDE HMI - TCC Control CanBus Control. The TCC HMI control is currently regarded worldwide as the most modern fully electronic CanBus control with a 7" Gorilla Glass color touch screen and with unusually extensive, convenient control and monitoring options for such systems.



## INTEGRATED STORAGE SYSTEM

Holder for 3 50L storage cylinders are integrated into the base frame of the system. This quick-fill intermediate storage tank is filled by means of an integrated priority filling control.



## THE AIRSAVE ULTIMATE AIR QUALITY CONTROL

The breathing air quality exceeds all internationally known standards, in particular DIN EN 12021:2014, and ISO 8573 Class II and the regulations for medical air.  
The air quality is measured by means of the IDE-AIRSAVE ULTIMATE Air quality monitoring online and permanently. The standard version monitors and measures CO, CO<sub>2</sub>, O<sub>2</sub>, water and humidity. As soon as one of the gas values exceeds the set limit values, the If the filling process is too slow, a visual and acoustic alarm is triggered and the filling process is stopped.  
Optional can additionally all oils, especially in aerosol form, the pressure dew point, NO, SO<sub>2</sub>, flammable gases (propane, butane, methane) are measured and displayed.

