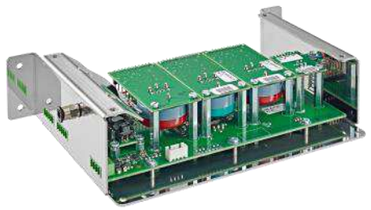
AIRSAVE ULTIMATE SYSTEM FOR ABSOLUTE SAFETY

√ HMI TCC-CONTROL (OPTIONAL)

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 PRO E (OPTIONAL)

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/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-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 CO_2, the temperature of the ambient air and the presence of flammable gases.

√ AIRSAVE 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-Kompplan defined with its integrated air monitoring AIRSAVE ULTIMATE OC the premium to the prior art.

√ AIRSAVE OIL GUARD (OPTIONAL)

Oilguard reliably monitors the limit value according to DIN EN 12021: 2014 or ISO 8573-1 of the residual oil in the compressed air. Not only for VOC with PID sensors, but also for aerosols, oil vapor and droplets.

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

▶ ModelsSpecs FILLSAVE 600

Model Working pressure	Fillplaces	Cylinder size	Max. flow	Dimensions(cm)			Weight netto
225, 330, 400 bar		l/min	min	L	W	H	kg
FILL SAVE 600	6	Max. 15L	3000 L/Min	1500	980	1885	360
FILLSAVE 600 C (with integrated Compressor TI 380 ET)	6	Max. 15L	3000 L/Min	1500	980	1885	535

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Version/Date 11.02.2022 (AS)
Technical specifications subject to change.
Illustrations may include optional equipment

FILL SAVE 600

SAFETY CONTAINMENT FILL STATION

KOMPPLAN
compressed air solutions

FILL - SAVE 600

The new FILL-SAVE 600 safety filling station ensures maximum safety for operator and filling personnel. After several accidents with bursting pressure vessels while filling, many countries already introduced standards or an obligation to install explosion protection in filling systems. The IDE safety filling station FILL-SAVE 600 for up to 6 pressure vessels is equipped with hydraulically supported safety doors. It is made of high-strength "double-layer" special steel. During filling it provides maximum protection against bursting or exploding pressure vessels, hoses and consequently flying pieces and fragments.

Optionally, FILL-SAVE can be equipped with a system to simultaneously fill cylinders with 200 and 300 bar. Once the desired filling pressure is reached, the system automatically stops the filling process and closes air supply.

Because most accidents with pressure cylinders happen while handling the cylinders, we put the main focus for our 2nd generation filling box on minimizing the required handling. Now, with the cylinders' horizontal position in the filling box it is much easier to connect them to the safety filling valves.
In case a cylinder bursts the released compressed air will be safely channeled upwards through an air duct.

The filling valves automatically vent and are equipped with safety filling pipes, Flow-Stop and the IDE HCS hose breakage protection. With upstream storage tanks the automatic flow restriction ensures a safe filling rate and optimal increase in pressure of approximately 17-22 bar per minute to prevent overheating of the pressure vessels.

The hydraulically supported door can be easily opened and closed. An SBS microprocessor control system controls the complete filling process. All of this ensures an easy and comfortable operation and at the same time prevents faulty operation and accidents during loading and unloading the filling box. FILL-SAVE can be connected directly to the compressor and be used as a remote control for the system. It can also be supplied from a storage tank, optionally with IDE PRIORITY-FILL and/or Clever Fill.

The box was certified by the approved inspection body of DEKRA and tested with a bursting pressure of 306 bar in compliance with European provisions (not as usual following US-American standards that, strictly speaking, have no legal force in Europe).

The established maximum operating pressure is 420 bar.

IDE-KOMPPLAN COMPRESSORS - „SYNONYMOUS FOR QUALITY, TECHNOLOGY AND SAFETY

FILL - SAVE 600 C

With integrated Compressor up to 350L/Minute

√ COMPACT SYSTEM
√ EXPLOSION-SAFE FILLING BOX
√ READY-FOR-USE CONFIGURED

√ INTEGRATED FILLING PANEL
√ USER-FRIENDLY
√ SAFE FILLING WITH SYSTEM

Disadvantages without OM-Control

- With this filling time and delivery rate the units are heated up by a large amount.
- The expansion causes excessive stressing of the steel used in the breathing apparatus.
- In composite breathing apparatus the maximum allowable temperature of 60 °C is exceeded and devastating accidents can occur.
- The compressor is subjected to extremely high wear, as with these short filling times at maximum compression load, it does not heat up and is therefore not lubricated sufficiently.
- High energy demand with corresponding large environmental impact.
- High noise emissions with corresponding environmental impact.

Advantages with OM-Control

- The units are filled slowly and uniformly, always under ideal conditions.
- In the case of composite units the temperature remains well below the allowed value.
- The compressor is subjected to little wear as it always runs for a sufficiently long time and therefore good lubrication is always ensured.
- Significantly lower energy demand, therefore less environmental impact.
- Far lower noise level, therefore less environmental impact.