

JUST BREATHE
WE TAKE CARE OF YOUR AIR

30
YEARS
ANNIVERSARY



IDE COMPRESSORS

IDE COMPRESSORS

DIE MANUFAKTUR

IDE Compressors is a family business with a rich history of ongoing development, technological creativity, and benchmark products. As a successful and innovative compressor manufacturer, IDE met the strict certification criteria and was accepted as a member of the "Verband Deutscher Manufakturen" (Association of German Manufactories).

The term „Manufaktur“ stands for manual production to the greatest extent possible, highest quality, outstanding research and development potential, and innovation – the sheer opposite of large-scale production. In our plant, we manufacture products for people and organizations who want something special, the highest quality, and state-of-the-art technology in return for their invested capital.



IDE KOMPRESSORS

30 years with some ups and downs that we all mastered to eventually consolidate our successful position on the market.

Over the years we have gathered - and successfully implemented - a lot of experience, which makes us well equipped to deliver the high quality standards that we desire and that you can expect from a manufactory.

Challenge and test us, for our customers we are working AT HIGH PRESSURE.

OUR VISION

For now and the future we see ourselves as a modern, groundbreaking company that always welcomes change and new challenges.

We strive to ensure our family business' long-term success through ongoing development, specific product differentiation and constant availability of our service.

OUR QUALITY

Our customers' desires and demands mean a lot to us. We manufacture our products with utmost care and precision and in our own plant. We consider strict quality control and quality improvement as an engine for continuous development. Targeted training programs ensure professional results at the highest level.

OUR PRODUCTS

ideas, and application of modern technologies are the basis of our high reputation on European markets.

Constantly striving for process security, sound and reliable work at all corporate levels are the core of our company.

OUR CUSTOMERS

Comprehensive counseling and high-quality solutions make us a preferred partner for our customers. We process our orders reliably, apply the latest technologies, and follow all principles and precautions in terms of safety and environmental protection.



BAVARIA FUN & NAUTIC

FOR SPORTS AND PROFESSIONAL DIVING

BAVARIA FUN II



MAX 200 - 320 BAR
AIR FLOW RATE 110 L/MIN,
6.6 M³H, 3.9 CFM

A portable and compact high-pressure compressor, devised for recreational applications, the Bavaria FUN II 100 is the right choice for paintballing, gun clubs or scuba diving from small yachts.

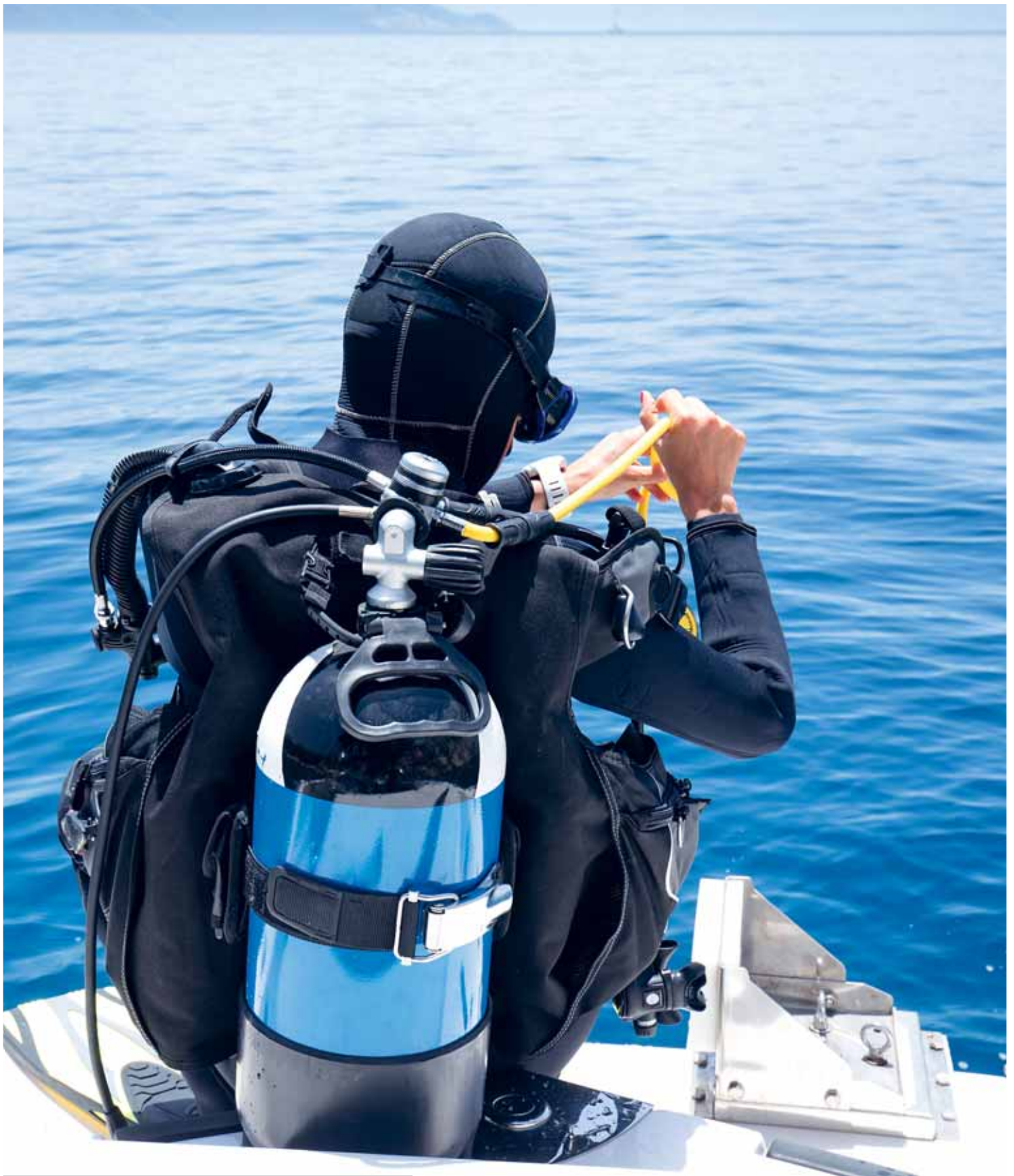
BAVARIA NAUTIC



MAX 200 - 320 BAR
AIR FLOW RATE 150 L/MIN,
9 M³H, 5.3 CFM

A portable and compact high-pressure compressor, devised for professional applications like paintball, scuba shops, small and medium-sized yachts or for mobile use on fire engines, the Bavaria Nautic 150 is the right choice. Available with electric motor or petrol engine.

The Bavaria compressor series is designed for professional use and is reduced to the technical essentials without any gimmicks. State of the art technology and efficient series production in modern production facilities in Bavaria and Austria guarantee the best workmanship and high degrees of operational safety, performance and value retention. Ask us about the other Bavaria models SPORT and SILENT. Available with: SinglePhase 230V50Cy, 115V60Cy, ThreePhase 230V50Cy, 400V50Cy and PetrolEngine



FUN MARINE 110l/min
NAUTIC MARINE 150l/min
PORTABLE COMPRESSOR WITH UNIQUE DESIGN

FUN 110 MARINE



MAX 200 - 320 BAR
AIR FLOW RATE 110 L/MIN,
6.6 M³H, 3.9 CFM

Breathing air compressor as marine version for 200 or 300 bar, sturdy STAINLESS STEEL frame, powder-coated, with powder-coated stainless steel transport handles. AUTO-STOP when final pressure is reached included as standard.

1 filling connection DIN 200 or 300 bar bar with venting on 1.2 m hose. Triple+ pure dryer system FT 100 for approx. 130 m³ pure air according to DIN 12021:2014. Optionally with Airsave Basic filter saturation and service interval monitoring.

Drive AC motor 2.2kW-230V50Hz, 2.2kW-115V60Hz-US, three-phase motor 2.2 kW-400V50/60 Hz, KOHLER petrol RH 265 4.8kW

NAUTIC 150 MARINE



MAX 200 - 320 BAR
AIR FLOW RATE 150 L/MIN,
9 M³H, 5.3 CFM

Breathing air compressor as marine version for 200 or 300 bar, sturdy STAINLESS STEEL frame, powder-coated, with powder-coated stainless steel transport handles. AUTO-STOP when final pressure is reached included as standard.

1 filling connection DIN 200 or 300 bar bar with venting on 1.2 m hose. Triple+ pure dryer system FT 100 for approx. 130 m³ pure air according to DIN 12021:2014. Optionally with Airsave Basic filter saturation and service interval monitoring.

Drive AC motor 3kW-230V50Hz, 3kW-115V60Hz-US, three-phase motor 3 kW-400V50/60 Hz, KOHLER gasoline SH 265 4.8kW



BAVARIA PRO

160 - 320 l/min

FOR SPORTS AND
PROFESSIONAL DIVING



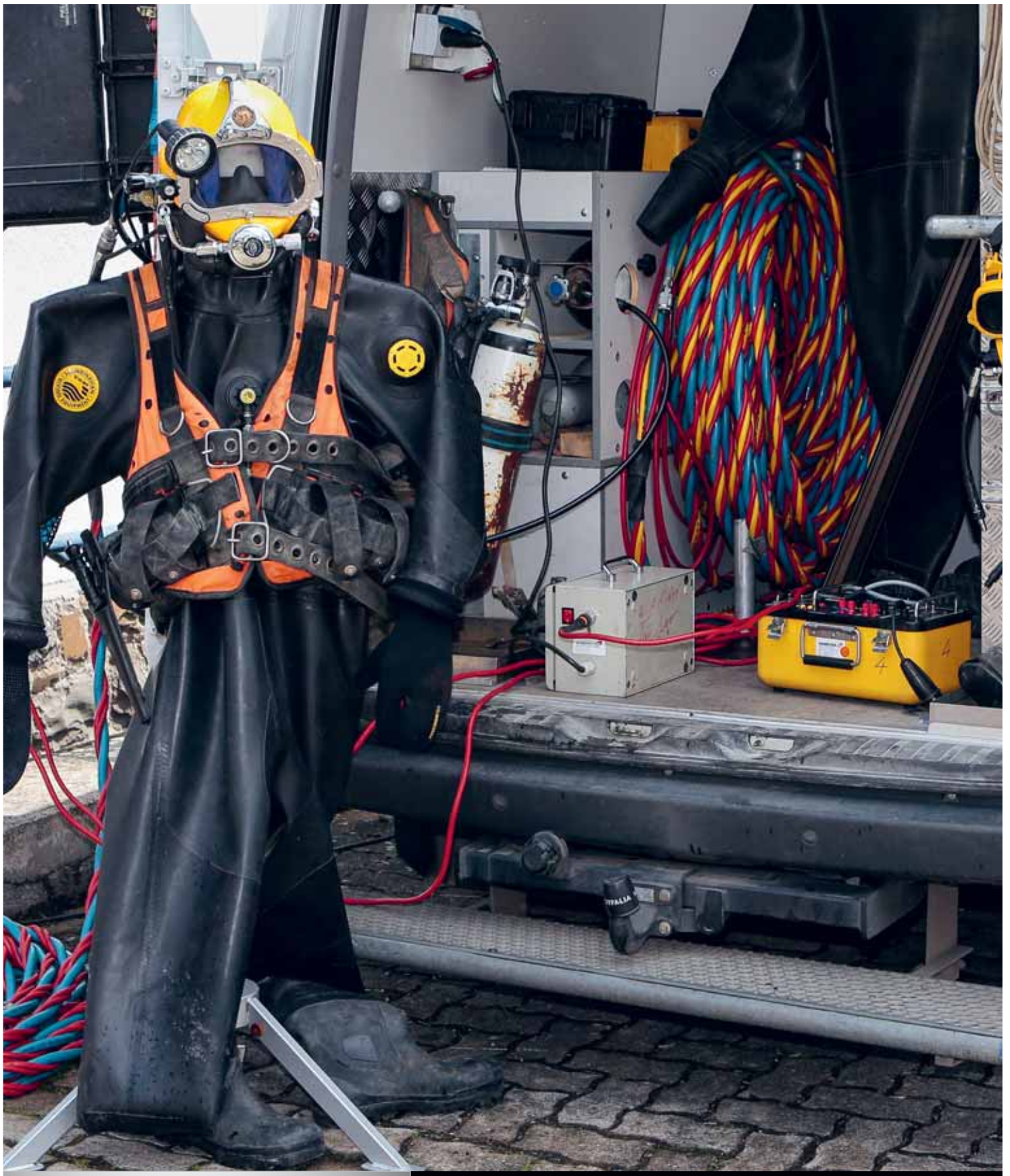
MAX 200 - 300 BAR

AIR FLOW RATE 160-320 L/MIN

WEIGHT 139 kg

A portable and compact high-pressure compressor, devised for professional applications like paintball, scuba shops, small and medium-sized yachts or for mobile use on fire engines, the Bavaria PRO is the right choice. Available with electric motor or petrol engine.

The Bavaria compressor series is designed for professional use and is reduced to the technical essentials without any gimmicks. State-of-the-art technology and efficient series production in modern production facilities in Bavaria and Austria guarantee the best workmanship and high degrees of operational safety, performance and value retention. Ask us about the other Bavaria models SPORT and SILENT.



TCI SERIES HEAVY DUTY

160 - 350l/min

ROBUST AND RELIABLE



160-350 L/MIN
MAX 160 - 420 BAR
MAX KW 6.6
MAX HP 9



Consistently designed for high delivery performance and ease of use, this system impresses with its features and compactness. The closed frame construction offers noise reduction and optimum protection for the operating personnel. If required, the systems can also be retrofitted with external filling ramp and storage batteries.



TFI SERIES SEMI SILENT

220 - 380 l/min

POWERFUL COMPACT LOW NOISE



220-380 L/MIN
MAX 160 - 420 BAR
MAX KW 7.5
MAX HP 10



Consistently designed for high delivery performance and ease of use, this system impresses with its features and compactness. The closed frame construction offers noise reduction and optimum protection for the operating personnel. If required, the systems can also be retrofitted with external filling ramp and storage batteries.



TMI MARINE

160 - 380 l/min

ROBUST, RELIABLE
WITH MANY OPTIONS



MAX 160 - 420 BAR

MAX KW 7,5

MAX HP 10

These extremely compact compressors feature the smallest dimensions in this performance class, they are mounted on a stainless steel frame, and they can be used to deliver purest breathing air or to compress other gases. Optionally, they can be equipped with a triple-S (smooth start system), which is especially useful for operation on a generator. The standard equipment includes automatic shutdown at discharge pressure, automatic condensate drain, and many other features. The TMI series compressors are ideal wherever high performance and sturdiness are needed, but space is limited, like on vehicles, yachts or safari boats. They are made entirely of stainless steel and aluminum, are additionally powder-coated and thus withstand even toughest environmental conditions



TVCO SERIES 450 - 850 l/min

EXTREMELY RELIABLE
IN CONTINUOUS USE



MAX 150 - 420 BAR

MAX KW 15

MAX HP 20

These stationary high-pressure compressors are our high-end models for Heavy duty continuous operation (24/7) industrial use. They deliver purest breathing-air or other gases, they offer highest output, they are extremely sturdy, reliable and user friendly. Equipped as standard with the IDE-HMI TCC Can Bus compressor control which is currently the only one in the world, one of the most modern and comprehensive controls based on Android. Automatic CO₂ scrubber at compressor start, automatic switch-off at discharge pressure, automatic condensate drain and AIRSAVE PRO E Filtercartridge saturation monitor are fitted as standard. Optional available the air-quality monitor AIRSAVE ULTIMATE for monitoring and control for CO, CO₂, O₂, NO, SO₂, humidity- water, oil-aerosoles and burnable gases. These compressors are built for heavy-duty use and are in industrial settings.



TVCS SERIES

450 - 850 l/min

PERFECT PARTNER
IN INDUSTRIAL USE



LOW NOISE BELOW 70 db(A)
MAX 150 - 420 BAR MAX
MAX RPM 1.350 MIN MAX
MAX KW 15
MAX HP 20

We call them the gentle giants, because these stationary high-pressure compressors deliver a gigantic output of purest breathing-air, air or other gases at astounding Noise level below 70 db(A). They are built for heavy-duty use, are suitable for continuous operation, and are therefore as recommendable for industry, fire brigades or rescue teams as for professional scuba diving. Equipped as standard with the IDE-HMI TCC Can Bus compressor control which is currently the only one in the world, one of the most modern and comprehensive controls based on Android. Automatic CO₂ scrubber at compressor start, automatic switch-off at discharge pressure, automatic condensate drain and AIRSAVE PRO E Filter-cartridge saturation monitor are fitted as standard. Optional available the air-quality monitor AIRSAVE ULTIMATE for monitoring and control for CO, CO₂, O₂, NO, SO₂, humidity- water, oil-aerosols and burnable gases. These compressors are built for heavy-duty use and are in industrial settings.



TVCCG INDUSTRIAL SERIES

400 - 800 l/min

PERFECT PARTNER IN INDUSTRIAL USE



400-800 L/MIN
MAX 420 BAR MAX

Compact breathing air filling system with safety filling box, intermediate storage tank and air quality monitoring. The complete system is installed in a compact, double powder-coated steel housing. The heart of the system is a modern 4-cylinder/4-stage high-pressure compressor with an output of 400L- 800L/min up to 420 bar working pressure. The integrated, easy-to-operate safety filling box with 3 horizontal filling stations for simple, safe handling of the breathing apparatus.

The safety filling box opens and closes electrically. The complete system also includes three 50 liter storage cylinders with a choice of 350 or optional 450 bar working pressure as a quick-fill intermediate storage tank with integrated priority filling control.

The breathing air quality complies with all internationally recognized standards, in particular DIN EN 12021:2014, and ISO 8573 Class II as well as the regulations for medical air. With this system, which is unique in Europe, breathing air devices can be filled absolutely safely in the shortest possible rapid filling time permitted by the cylinder manufacturer and users can be absolutely certain that the inhaled air is of the very best quality.



FILL-PANEL FILL-SAVE 600

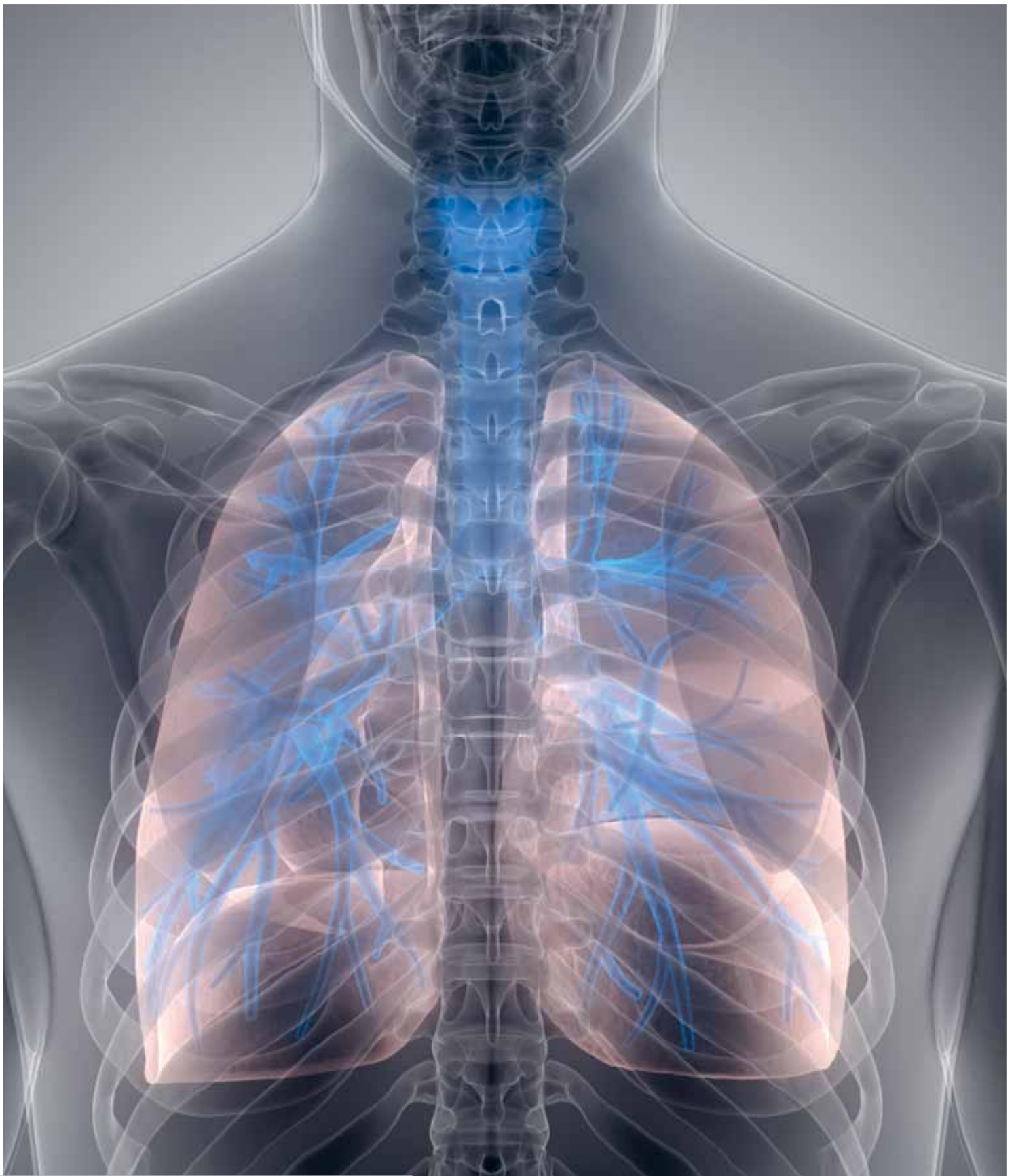
HIGHEST COMFORT WITH MAXIMUM SAFETY



Filling ramp with 6 direct or hose connections for a pressure range 200 or 300 bar. The filling ramp can be integrated to any commercially available breathing air filling system. The filling connections consist of self-venting toggle valves. Filling pressure indication by means of a class 1.6 0-400 bar stainless steel high pressure gauge filled with glycerine.

FILL SAVE 600 After a few accidents caused by bursting pressure vessels during the filling process, explosion protection for bottle filling has already become mandatory or standard in many countries. The IDE FILL SAVE 600 safety filling station made of high-strength „double layer“ special steel with hydropneumatically controlled safety doors provides filling personnel with protection against bursting or exploding pressure vessels during the filling process. The individual compressed gas cylinders are easily accessible in the filling box. A 2-hand safety system, controlled by a microprocessor control, protects against incorrect operation.

For both items as an option we offer different pressure ranges (simultaneous 200 and 300 bar or low pressure with pressure regulator), flow limiter for safe filling of composite bottles, buffer accumulator connections, low pressure connection for the respiratory protection workshop, remote control of the compressor, emergency stop mushroom button, USB connection sockets and much more.



IDE AIRSAVE ULTIMATE

BREATH AIR QUALITY
ACCORDING TO DIN EN 12021-2014



For many years, operators deemed it sufficient to determine the content of contaminants and to check saturation of dryer cartridges once or a few times a year with detector tube indicators. However, if you read German and international standards carefully, you will see that this approach is far from sufficient. The European Standard DIN-EN12021-2014 is mandatory, and every operator of a filling station is obliged to ensure that the breathing-air meets the values specified in the standard at all times.

Every two seconds, using highest-quality sensors made in Germany, our online monitoring system checks the contents of CO, CO₂, O₂, NO, SO₂, water, and oil in aerosols (not just VOCs) in the compressed air behind the filter, as well as the saturation of the dryer cartridge. Optionally, upon the customer's request, the system can also monitor the CO₂ content of the intake air. Only systems like this can truly ensure that the filling system always delivers pure breathing-air in compliance with DIN EN 12021:2014 and other standards, and thus prevent liability risks for the operator.



Energy Efficiency ↑

~~Energy Costs~~

IDE HMI-TCC CONTROL

HUMAN MACHINE
INTERFACE



Cutting-edge, unparalleled, state-of-the-art CAN bus compressor and filling system controls help save energy and thus contribute to environmental protection. Highly sensitive, scratch-resistant, resistive GFG 7" GORILLA glass touchscreen with intuitive operation. To optimize operational safety, comfort, fault monitoring, and air-quality, we developed new compressor controls for stationary systems. The HMI control unit has a 7" multi-color touchscreen, several USB ports, Wi-Fi connection for software updates, readouts and visualization, and an interface for a CAN bus to connect a remote control module, ICA systems, and other extensions. This interface can be used, for example, to connect an external filling panel with the same features and options.



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