

factair

Compressed and Breathing-Air Plant Rooms



With a track record spanning over 40 years, Factair has designed and built systems in 10, 20 and 40' ISO containers, together with custom built skids and DNV 2.7-1 packages. Each system is designed to suit the application and specific site requirements.

For adverse climatic conditions packages can be thermally insulated with electric frost protection, air conditioned heaters and a control system on the air outlet ducts from the compressors. This provides re-entrainment of the warm air via a pneumatically or electrically actuated diverter system until a pre-set ambient temperature is attained.

Units can be provided with touch screen control panels and if remote monitoring / telemetry is required there is a range of communication and connectivity options available, including GSM, modem, local WiFi and Modbus.

FACTAIR'S CONTAINERISED COMPRESSED AND BREATHING-AIR PLANT ROOMS PROVIDE AN IDEAL SOLUTION FOR APPLICATIONS REQUIRING STAND ALONE PACKAGES OR ADDITIONAL TEMPORARY RESOURCES.



Breathing-Air Modules for Nuclear Decommissioning

20' thermally lined container with run/standby low-pressure HPC Kaeser BSD 75 compressors, breathing air filtration including carbon monoxide and carbon dioxide suppression. Integrated fail-safe emergency HP reserve and alarm system. HP cylinder auto refill system with Bauer Mariner 320E. Touch screen control panel with electronic mass flow monitoring. Condensate collected from the compressors and purification equipment cleaned by an oil absorption unit and discharged externally as clean wastewater. Reserve supply is provided by 89-litre 300 bar HP cylinders, which are automatically refilled by a Bauer Mariner 320 air-cooled, breathing-air charging compressor. The container is fitted with a ventilation system that controls the airflow and temperature through the container. These systems provide a secure source of breathing-air, dried to a pressure dewpoint of -40°C , oil and vapour removal down to 0.003 ppm, with air quality far exceeding the requirements of BS EN 12021.





Instrument Air for Offshore Gas Rig

10' DNV 2.7-1 standard cube thermally lined containers finished to an offshore paint specification. These units included receiver mounted run/standby HPC Kaeser SM 13 RM compressors with heatless desiccant dryer, oil/water separator with SCH 80 pipework. Class 150 ball valve and LV power/instrumentation cabling all in accordance with customer offshore requirements. Fitted with Permaberg single-stage moisture separator to achieve high-efficiency water droplet and aerosol removal at the air inlet and fixed-blade weather-louvers



Containerised Compressed Air System for Sponge Blasting

20' high cube full side access container with CSDX140T compressor, 2,000 litre vertical air receiver, filtration and oil water separator. With 2" galvanised pipework and fittings to BS EN 10255.



Portable Tyre Repair Facilities NSN 4910-99-908-5659

Developed to provide an independent tyre repair facility in theatre, these self contained facilities can change tyres ranging from a TUL up to and including DROPS IMMLC and balance wheel up to 17" diameter. The PTRF is based upon a 20 foot ISO container and is capable of being transported on a DROPS DP Flatrack or any other service vehicle equipped with 20 foot ISO twist locks. Each PTRF is fitted with its own electrical generator and HPC Kaeser SK22 compressor capable of running two impact wrenches and inflating tyres to 150psi. For ease of handling an electric hoist is fitted which can lift heavy wheels from outside the container and transport them directly into the tyre changer.





All packages are produced in accordance with CE/UKCA requirements at Factair's factory in Ipswich, Suffolk, with ISO: 9001 quality assurance.

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