



FACTAIR provides a range of breathing-air systems which are completely self-contained, fully mobile and specially designed to provide safe respiration for operatives working in hazardous atmospheres such as occur in the nuclear, petrochemical, pharmaceutical and other industries.

The BA25D is available as either a fast towing, trailer-mounted unit or 4-wheel site mobile unit. Producing 25cfm of breathing quality air it incorporates the Factair 'fail-safe' system providing automatic back up from high- pressure cylinders, ensuring safe exit from the workplace in the event of failure of the primary supply.

The BA25D is enclosed within a sound attenuated steel canopy with good access to all areas for easy service and maintenance.

The unit is designed to meet EC site noise regulations of 97LWA and comes complete with total driptrays and condensate traps to allow correct disposal of waste.

High-level air intake is provided to ensure that air is drawn in from an area clear of exhaust gases.

Four flow regulated outlets provide air for operatives wearing positive pressure facemasks.



Air quality exceeds the criteria laid down in BS EN12021 and units are built in our Quality Assured workshops under procedures approved to ISO 9001/EN29001.

A range of options is available for the BA25D including gas monitoring, membrane dryer and pressure swing dryer c/w CO and CO₂ removal. Further technical information on the BA25D is detailed on the back page of this datasheet.



- ENGINE - Kubota D722 Water-cooled, 3-cylinder diesel. (Low oil pressure / high water temperature shutdown protected)
- COMPRESSOR - Rotary Vane
- AFTERCoolER - Air-cooled - outlet temperature within 5°C of ambient
- FILTRATION - Purifies air to breathing quality - conforming with BS EN12021.
Optional – Membrane Dryer or Pressure swing dryer complete with carbon monoxide and carbon dioxide suppression.
- CHASSIS - To full EC regulations
- TOWING HITCH - 50 mm ball or ring
- BATTERY - 12 volt DC - Negative earth. Earth bonding point on drawbar.
- NOISE LEVEL - <99 LWA. (Better than 78dBA @ 4 metres)
- STANDARD FEATURES - Chalwyn engine overspeed valve · Lifting bale · Spark arrestor
High-level air intake · Hours run meter · Fully automatic 'fail-safe' reserve from high-pressure cylinders with start up protection
- GAUGES SHOW - HP cylinder pressure · Differential pressure · System pressure
Regulated pressure
- AUDIBLE ALARMS - Primary air supply failure · Comprehensive HP alarms
- OUTLETS - 4 off CEJN couplings (or alternatives) and 1 off ¾" Dynaquip coupling
- WASTES - Central tray for all oil and diesel drainage and spillage. All discharges from filter autodrain are collected for proper disposal

3 CYLINDER WATER- COOLED DIESEL	FUEL CAPACITY		FREE AIR DELD. at 7 BAR / 100 psi		MAXIMUM WORKING PRESSURE Bar psi	HP CYLINDER CAPACITY LITRES	DIMENSIONS (approx)			
	Litres	hrs	l/min	cfm			LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
10 HP at 2150 RPM	Approx 28	8	710*	25	10 145	1800 each x 3	2980	1500	1400	650

* If membrane dryer fitted the continuous duty is 640 l/min with 710l/min intermittent. If a pressure swing dryer fitted the continuous duty is 568 l/min with 710 l/min intermittent.