

# factair

## Containerised Breathing Air System for UKAEA Dounreay



Breathing air flow is displayed and monitoring prevents system shut down while it is supporting life.



Stainless steel salt filters protect the equipment in coastal locations.





### Technical Data

COMPRESSORS LP	-	Two of HPC Pulsar ASD 32
COMPRESSOR HP	-	Reavell 5409
AFTERCOOLER	-	Outlet temperature within 5°C of ambient
FILTRATION	-	Purifies air to breathing quality conforming to BS EN 12021
CONTAINER	-	ISO type transport container with personnel door
NOISE LEVEL	-	<74 LWA. (Better than 71dBA @ 4 metres)
STANDARD FEATURES	-	Electrical control panel · Hours run meter · Mass flow meter · Fully automatic 'fail-safe' reserve from high-pressure cylinders with start up protection · System shut-down activated by either high temperature compressor oil or optional Gas detectors. Modem connection enables remote monitoring of condition and planning maintenance.
GAUGES SHOW	-	HP cylinder pressure · Differential pressure · Compressor, System pressure · Regulated pressure – Reserve supply pressure. Output air flow
LAMPS SHOW	-	Alarm Type – Compressor Fault, HP alarm, LP alarm
AUDIBLE ALARMS	-	Primary air supply failure · Reserve pressure low
VISUAL INDICATOR	-	Shows changeover to HP reserves
OUTLETS	-	Central connection to building pipelines
WASTES	-	All discharges from filter autodrain are gathered into an oil water separator, oil is collected in a container for proper disposal waster is discharged to drain.
QUALITY	-	The BA container is manufactured in accordance with our Quality Assurance Procedures approved to ISO9001/EN29001

Compressors Low pressure	Compressor High pressure	FREE AIR DELD. at 8 BAR / 115 psi l/min cfm	WORKING PRESSURE  Bar psi	HP CYLINDER CAPACITY LITRES	DIMENSIONS (approx)			
					LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
Two of 18.5 kW 415volt 3ph 50hZ	15kW 415 volt 3ph 50hZ	2300 82	10 147	17000 each x 4	6050	2438	2438	7500