

BA450E & BA550E Electrically Driven Mobile Breathing Air Compressor



Factair's BA450E and BA550E are compact, breathing air compressors which suit many industries and offer a simple but safe system to enable operatives to enter confined spaces and hazardous environments.

The BA450E and BA550E provide a steady pulse-free supply of compressed breathing air with an output sufficient for two operatives using either constant flow masks or positive pressure demand masks.

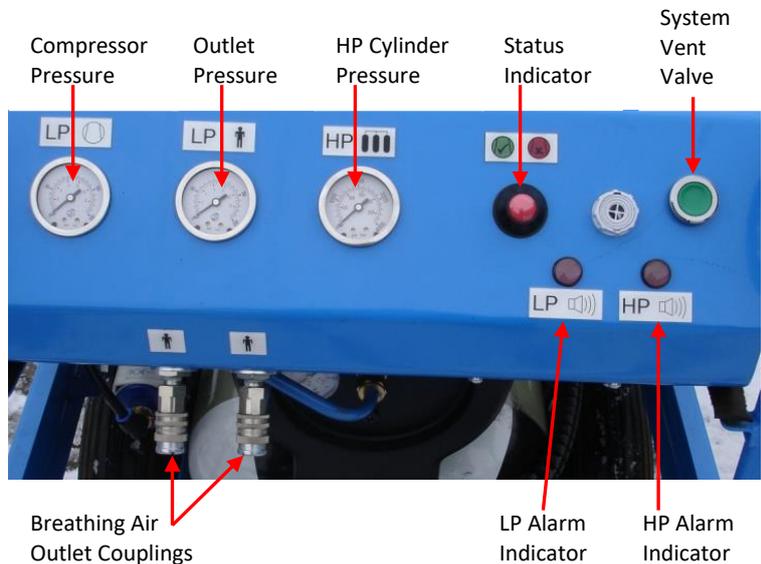
They both incorporate a Gardner Denver oil-flooded, sliding vane, rotary compressor driven by a 4.0 kW 3 phase electric motor. The compressed air generated is passed through a fan assisted aftercooler before proceeding through a multi-stage filtration system which removes particulates, reduces oil contamination to <0.003 parts per million and also removes hydrocarbon vapours. The air is then passed through a membrane dryer to ensure a 5°C suppression of dewpoint in ambient temperatures >0°C with air quality exceeding the criteria laid down in EN12021.

The BA450E also has a fully integrated automatic fail-safe emergency air back up and alarm system. In the event a drop in the primary air pressure an audible sounder will be activated and the air will continue be supplied from two 9-litre 200 bar (optional 300 bar also available) cylinders. The control panel has a status indicator which in the event of a failure of the primary air will automatically change from green to red and an LED light activated. If the air pressure in the HP cylinders drops below 140 bar this will also activate the alarm and an LED light on the control panel.



Above - BA450E which incorporates integrated alarm and fail safe reserve.

Below – BA450E Control Panel



Model	FAD	Weight	Length	Width	Height	Noise level	Electric Motor	Outlets
BA450E	450 l/min (14.1 scfm) at 8.5 Bar	120 Kg	1195 mm	610mm	880 mm	71 dBA	415V 3Ph 4.0 kW Direct on line	2 outlets both having flow protected CEJN compatible couplings
BA550E	550 l/min (17.6 cfm) at 7 Bar	95 Kg						

- Also available are the Atex Zone 1 BA450EX and BA550EX mobile breathing-air compressors