

Take a closer look at the Commander, Challenger and Compact Lightweight portable breathing air sets from CompAir.

Designed for the leisure or commercial diver looking for a cost effective BA set, but not looking to compromise on quality.

These lightweight BA sets represent excellent value for money with consistent, reliable performance.

The air cooled Commander, Challenger and Compact range offer a no-compromise solution for applications where tight control of budgets is essential.



Commander

Features

Offering features normally found on far more sophisticated products, these three sets offer maximum flexibility; and though being small in size it's no barrier to particularly impressive performance figures.

The Commander can charge a 12.5 litre diving cylinder from 50 bar to 232 bar in under 10 minutes.

This series of lightweights offers safety protection on all stages and each set features the CompAir air purification system - ReavellSafe. Replaceable filter cartridges provide efficient, safe cleaning and drying of high pressure compressed air.

To further secure your peace of mind, these sets are backed up by full aftersales service.

Finally, a wide range of finance and warranty options ensure that owning and running a lightweight BA set is as rewarding as the safe, high quality and cool breathing air that it delivers.

- Delivery pressures up to 350 bar g
- Charging rates to 15m³/h (245 ltrs/min)
- Air quality to DIN 3188, EN 12021 and BS4275
- Single or three phase electric motors (Challenger & Compact only)
- Safety protection on all compression stages
- Replaceable breathing air filter cartridges
- Charging connectors to suit customers requirements
- Easily serviced and maintained
- International service support
- Autostop option on Challenger & Commander
- Autostop on Compact as standard
- Suction filter with snorkel on Compact petrol driven set

Intelligent Air Technology

Portable Breathing Air Sets

Technical Data

Model	Max. Pressure bar g	F.A.D. Ltr/min	F.A.D. cfm	Power kW	Dimensions (l x w x h) mm	Weight kg	Charging Hoses
Commander	350	245	9.0	4	900 x 470 x 580	98	2
Challenger	300	160	6.0	3	900 x 470 x 580	89	1
Compact 3 phase	300	100	3.5	3	600 x 380 x 420	45	1
Compact 1 phase	300	77	2.7	2.2	600 x 380 x 420	45	1
Compact Petrol	300	100	3.5	4	700 x 350 x 420	43	1



Compact



Challenger



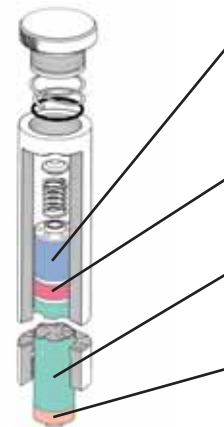
Commander

The ReavellSafe air purification system provides efficient and safe cleaning, drying and filtering of high pressure compressed air, thereby providing quality air to all major international standards. The multi-stage purification system with replaceable cartridge removes condensate, entrapped water vapour, oil mist, dust particles and toxic fumes. This guarantees air quality standards including DIN 3188, EN12021 and BS4275.

Cartridge Capacity

Model	Process Capacity to BS 4275	Expected Hours at Ambient Temperature			
		10°C	20°C	30°C	40°C
Commander	518 m ³	51	31	18	12
Challenger	518 m ³	75	46	27	17
Compact	180 m ³	55	30	17	11

Note: Pictorial representation of filter cartridge is typical only and varied by machine



Water Vapour Absorption Stage - at high humidity (Silica Gel)

Oil Vapour Removal Stage (Activated Carbon)

Water Vapour Absorption Stage (Molecular Sieve)

Hopcalite to convert CO to CO₂



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CompAir Policy is one of continuous improvement and we therefore reserve the right to alter specification and prices without prior notice. All products are sold subject to the Company's conditions of sale.

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