



Respiratory Safety

Portable Breathing Air Compressor System Grade-D Air Filtration

Issue: Pressure demand airline respirators require 70-120 psi of Grade-D breathable air per OSHA standard 1910.134. For short duration work, this pressure and air quality can be delivered by an air cylinder. For long duration work, a portable compressor and a Grade-D air filtration unit can be used to deliver Grade-D air to pressure demand respirators.

Application: The COMP-3™ Twin-Air™ Compressor system is designed to provide Grade-D breathing air for up to 3 workers wearing pressure demand respirators. The TA-3 has twin ASME receiver tanks creating a mounting frame for the compressor. The receiver tanks allow compressor air to cool to within 10 degrees of the ambient temperature.



Recommendation: The COMP-3™ breathing air compressor system provides the entire package for operating 3 pressure demand airline respirators. The system is made up of three components: the TA-3 compressor, the 3-worker Breather Box® filtration unit, and 10 feet of ½” ID hose. The system operates on 115 VAC and requires a 20 amp service. ASME twin air tanks are supplied on a mobile platform; each tank contains a drain valve that must be opened periodically to remove water. If an electrical extension cord is used, a 10-3 gauge cord, maximum 50 feet, can be used to prevent the electrical circuit from “tripping” the electric motor. The Breather Box® should be calibrated at least once a month using calibration kit BBK-20. Up to 300 feet of respirator hose can be attached to the Breather Box® for work in remote areas. Do not operate the compressor in the vertical position as oil will be discharged into the breathing air hose and Breather Box®. **Not approved for use in hazardous locations.**



**COMP-3
Breathing Air
Package**



COMP-3™ System & Components

Item No.	Description
COMP-3	TA-3 Twin-Air™ Compressor, 115/230 VAC, 1 phase, 2 HP, 20 amp, ½” x 10’ connect hose, and BB30-CO3 Breather Box®, 3 respirator fittings
TA-3	Twin-Air™ Compressor, 115/230 VAC, 1 phase, 60 Hz, 2 HP, 20 amp. 1-3 workers
TA-3EXP	Twin-Air™ Compressor, 2 HP explosion-proof electric, 230/3 VAC, 3 phase, no plug, user wired per NEC requirements. See Full Line Catalog for plugs.
BB30-FK	Replacement filter kit for BB30-CO3 Breather Box®

Do not use with constant flow respirators or vortex cooling tubes.

CO Monitor Calibration Kit - Small Cylinders

Item No.	Description
BBK-20	Calibration kit for CO monitor - 20 ppm CO, zero air, regulator, tubing, and hard case, 17 liter size disposable cylinders
BBK-10	Calibration kit for CO monitor - 10 ppm CO, zero air, regulator, tubing, and hard case, 17 liter size disposable cylinders, for Canadian CO monitor settings



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