

3-Diver Air Control System

8330

The Amron Model 8330 Portable 3-Diver Air Control and Depth Monitoring System is a portable self-contained three diver high and low pressure air control and depth monitoring (pneumo) system for surface supplied diving operations. The system is designed to provide a central control point for the supply of breathing air to three divers and monitor their depth.

Features

- 44-1300 High Performance Series Tescom Regulator(s)
- Two high pressure and one low pressure air source connections (8330)
- Convenient switching between high pressure or low pressure
- Low pressure audio alarm (Factory set at 100 PSIG)
- 50 Micron in-line stainless filter on regulator input
- Check Valves on all source inputs
- Automatic Gauge Protectors and Snubbers protect against over pressurization of precision pneumo gauges
- Optional heating cable is 24 ft. long and is wrapped around the HP input and regulator section located on the backside of the manifold panel; this standard plug connection 120 VAC heater is located on front panel for ease of use
- As an added safety feature, a GFCI inline cord set is supplied; the lower case is insulated with closed cell foam to help protect against severe weather conditions

High Pressure Section	
Inlet Connection	#6 JIC (2 total)
Input Pressure Range	500-5000 PSIG
Inlet Valve	Source Select (2 total)
Gauge	0-6000 PSIG Accuracy $\pm 1.5\%$
Input Filter, In-line Pre-regulator	50 micron
Tescom High Pressure Regulators	2 ea.
Outlet Pressure Range	0-300 PSIG
Max Pressure	5000 PSIG
Low Pressure Section	
Inlet Connection	#8 JIC
Check Valve	2 ea.
Diver Outlet Connection	3 ea. O ₂ Fittings
Diver Outlet Valve	3 ea.
Air Pressure Gauges	3 ea. 0-400 PSIG Accuracy $\pm 1.5\%$
Over-pressure Relief Valve	Set Pressure 285 PSIG



8330 3-DIVER AIR CONTROL

3-Diver Air Control	
8300-HP	3-Diver Air Control with 1 HP Regulator and 2 LP Inputs
8330	3-Diver Air Control with 2 HP Regulators and 1 LP Input
8330-H	8330 with Heating Element
8330A-H	Army Version of 8330-H with Heating Element, LP Input Submarine Fitting
Accessories	
BD-CT	Digital Timer / Clock
Depth Monitoring Pneumo	
Pneumo Gauge	3 ea. 6 in. Dual Scale
Range	Dual Scale 0-250FSW / 0-76MSW
Accuracy	0.25% of Full Scale with 1 ft. Divisions
Pneumo Valves	7 ea. Regulating Valve
Outlet Connection	3 ea. O ₂ Fitting, Brass
Low Pressure Alarm	Pressure Range 22.5-125 PSIG Factory Set at 100 PSIG
Panel Construction	
Material	Aluminum, Stainless Steel
Powder Coating	Black Textured Semi-Gloss Polyester
Silkscreen Graphics	Yellow and White Silkscreen
Case Dimensions	
Lid Closed	25 in. W x 20 in. D x 15 in. H
Lid Open	25 in. W x 20 in. D x 29 in. H
Weight	95 lbs (approx.)

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