



Airtronics

Diffused Aerator System General Specification

Watertronics Model # Air-.75-120-1. Self contained, enclosed compressor station with the following components:

- * **CABINET:** 21" W X 31" X 25" H. 14 gauge all-steel enclosure with powder coat finish, 1/4" steel mounting base. Enclosure shall be lockable, vandal resistant, with a 250 CFM roof-mounted exhaust fan and louvered intake vents.
- * **ELECTRICAL :** 115 Volt, 20 amp internal ground fault circuit interrupt receptacle (GFCI) with external conduit connection.
- * **MANIFOLD :** Welded steel, heat-dissipating manifold with four independent zone throttling isolation valves. Integral brass pressure relief and air check valves.
- * **COMPRESSOR:** 3/4 HP Gast carbon type rotary vane, with a 115 volt single phase thermally protected motor. Capable of 10 CFM @ 10 PSI. Oil less, with internal muffler and filter for quiet operation. Equipped with air intake filter. Vibration and noise isolating compressor mounting base.
- * **FEEDER TUBING :** 1/2 " high-density polyethylene pipe. Suited for direct burial. Accepts barbed insert fittings. Cresline type HD100.
- * **DIFFUSER DISTRIBUTION TUBING :** 1/2" self-weighted polyethylene pipe with encapsulated longitudinal lead keel for sinking without bricks or weights. Accepts barbed style insert fittings.
- * **CONNECTION FITTINGS :** 1/2" barb- style insert fittings suited for all connections from compressor station to diffuser pods. Spears 1400 series insert fittings with stainless steel clamps.
- * **DIFFUSER PODS :** US Filter Flexdisc fine bubble diffuser pod system utilizing two Flexdiscs per pod capable of 1.5 to 4.0 CFM per pod. Flexdiscs shall be self-cleaning and shall contain springless check valves to impede water from entering the system. Flexdiscs pod connections shall be Sch80 PVC and shall be mounted on a 24"X24" stainless steel mounting plated to prevent sinking into muck and silt. Pods shall be maintenance free and have life expectancy of 7 years.
- * **WARRANTY:** The manufacturer shall warrant the compressor station to be free of defects for one year from date of start up or eighteen months after shipment, whichever occurs first. Failures caused by lightning strikes, power surges, vandalism, operator abuse, or acts of God are excluded from warranty coverage.
- * **MANUFACTURER:** The station shall be model number AIR as manufactured by WATERTRONICS, INC. 525 Industrial Drive, Hartland, Wisconsin 53029, 1-800-356-6686, (262) 367-5000, (262) 367-5551 (fax) or equal.

End Of Specification