

BHP 7700 Wet/Drv Printer Pre-Installation Requirements

1. Electrical Power Requirements:

208/220/240 volts AC, 50/60 Hz single phase, 35 amp start-up surge, 30 amp running current. Customer must provide an electrical noise free power source with no SCR controlled systems, pumps, compressors, etc. tied to the same AC circuit.

2. Compressed Air Requirements:

60 lbs/in² (4.29 atm) at 10 ft³/min (283 liters/minute). Printer is fitted with a connector for a 3/8 inch diameter flexible hose. Customer must provide compressor and suitable plumbing with a water/oil trap to assure a supply of clean, dry air.

3. Printing Room Exhaust Requirements:

For operator safety, an 8 inch diameter outlet is provided on the top of the printer to exhaust fumes from the wet printing liquid. Perchloroethylene, the recommended wet printing liquid, can be hazardous if improperly handled (see below). Customer must connect the printer fume exhaust outlet to an external exhaust system drawing at least 800 ft³/min (22,750 liters/minute) air from the printer.

A 3 inch diameter outlet is also provided on the top of the printer to exhaust the heated air from the printing lamp cooling system. Customer is advised to exhaust this heated air from the printing room.

4. Printing Room Environment:

BHP Wet/Dry Printers have been designed for operation at a temperature between 68° and 75° F (20° - 24° C) and relative humidity between 50% and 70% RH.

5. Wet Printing Liquid Handling:

BHP Wet/Dry Printers have been designed for use with industrial grade perchloroethylene (tetrachloroethylene) such as Dow Chemical Company "Perchloroethylene Industrial", Dow Product Code 59009, "DowPer MC", Dow Product Code 25231 (available in Europe), Ashland Chemical Company "Perchloroethylene", Ashland CAS Number 127-18-4, or ICI "Perklone EXT". The BHP warranty will be void if the use of any other type of wet printing liquid is attempted. Perchloroethylene can be hazardous if not handled in accordance with instructions contained in the manual supplied with the printer.

A liquid pump and two connectors are provided on the printer to both transport fresh printing liquid to the printer, and pump used liquid from the printer. The Printer Installation Kit includes two valves with 3/8 inch diameter connectors to facilitate liquid supply and disposal. Customer must provide chemically inert (such as Viton) 3/8 inch diameter hose, and liquid supply and disposal containers.

A drain valve and 3/8 inch diameter connector are also provided for purging/cleaning the main printing liquid reservoir. Customer must provide a suitable hose and safe container for liquid disposal.

BHP is able to furnish limited lengths of 3/8 inch Viton hose and both 8 inch and 3 inch flexible plastic ducts. Contact BHP or your BHP representative for current price and delivery information.

4. Printer Dimensions:

Model 7700R: 72 inches (183 cm) high, 85 inches (236 cm) wide, and 32 inches (81 cm) deep without film; 72 inches (183 cm) high, 93 inches (215 cm) wide, and 32 inches (81 cm) deep with 4,000 foot (1,220 meters) film rolls.