

The following is a list of outside service jobs. Jamesway does not supply the materials necessary for these jobs, unless, as in the case of the external alarm and the hot and cold water lines, they are purchased separately.

The specific locations for incoming services are also documented in this chapter.

INCOMING AND OUTGOING HOT AND COLD WATER LINES

The customer provides both the feed and return lines that meet the following specifications — 1/2 in. (13 mm) drop off main line for P40 machines.

The drop is to be fitted with a shut-off valve.

Refer to *Hot and Cold Water Requirements* on page 211.

Note: Hoses from the main line to the machines are not to be connected until the main hot and cold water lines have been flushed.

Failure to do so may result in leaks or damage to the valves. It is the customer's responsibility to have the lines flushed of all debris and installation residue. It is the installation technician's responsibility to ensure that the customer complies.

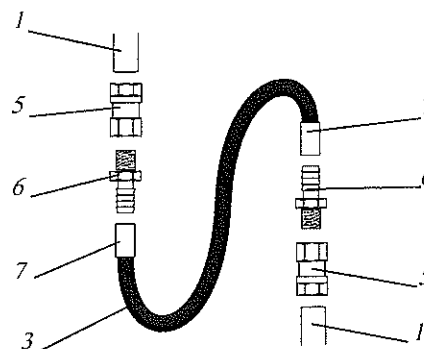
INSTALLATION FOR P40 MACHINES

Set the outside lines back approximately eighteen (18) inches (460 mm) from the machine's water lines and fit each with a shut-off valve.

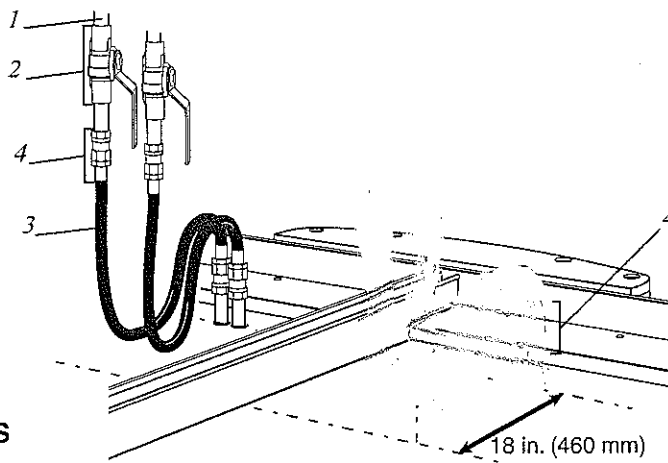
Solder the water lines to the compression fittings as shown in the illustration.

Loop a flexible hose, designed for appropriate line pressure, in between the outside lines and the machine. This will prevent any condensation from dripping directly down and into the machine.

Compression fittings and hosing may be purchased from Jamesway.



Looped hosing will prevent any condensation from dripping directly down into the machine.



Water line installation for P20-P60 machines

| Item | Part No. | Description |
|--------|----------|---|
| 1..... | | Hot or Cold Water Line, feed or return from console |
| 2..... | | Shut Off Valve |
| 3..... | | Black Hose, 2 ft. (610 mm) minimum length |
| 4..... | | Compression Fitting comprised of 5, 6 and 7 |
| 5..... | | 5/8 in. to 1/2 in. Compression Female Adapter |
| 6..... | | 1/2 in. Male Hose Barb |
| 7..... | | Brass Ferrule |

INCOMING HUMIDITY LINE

Specifications —one half inch (1/2 in. or 13 mm) copper pipe or 1/2 in. (13 mm) rigid PVC pipe can be used.

The customer provides a 1/4 in. (6.4 mm) FPT connection into which Jamesway will insert a 3/8 in. (9.5 mm) tube with a 1/4 in. (6.4 mm) MPT fitting (customer provided). The drop is to be fitted with a shut-off valve.

Set the outside line back approximately eighteen (18) inches (460 mm) from the machine's humidity line and fit with a shut-off valve.

Refer *Humidity Water Requirements* on page 212.

INCOMING AIR LINES

The customer provides a 1/4 in. (6.4 mm) FPT connection into which Jamesway will insert a 1/4 in. (6.4 mm) tube with a 1/4 in. (6.4 mm) MPT fitting (customer provided).

Refer to *Compressed Air Requirements* on page 213.

POWER LINE

Refer to *Electrical Requirements* on pages 212 to 213, and appropriate layouts in this chapter.

EXTERNAL ALARM

The Audible Alarm Pack FB5453 contains items K2, TB4, the power diode and the alarm bell. The customer is required to supply the wiring (minimum of 18/2 cable), the conduit and the battery. Jamesway can supply the 18/2 cable (P2719) in given lengths, if requested by the customer.

See Jamesway *External Alarm* wiring on page 236.

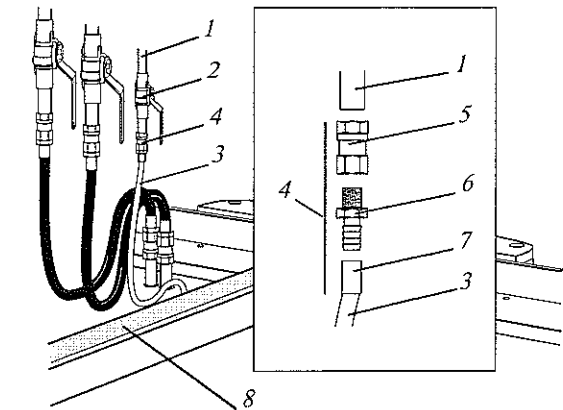
NETWORK CONNECTIONS

See *Network Connections* in *The Platinum Single-Stage Operations Manual*.

AFTER THE COMPLETION OF OUTSIDE SERVICES

Ensure that:

- The covers are replaced on all electrical ducts in the control box.
- The panel cover (AB7336), for the control box, is in place.
- The wire duct covers (2) are placed on centre roof extrusion.
- All pipes and holes are sealed with silicone.



Incoming Humidity Line

| Item | Part No. | Description |
|--------|----------|---|
| 1..... | | Humidity Line, feed |
| 2..... | | Shut-off Valve |
| 3..... | | Humidity Line, clear hose |
| 4..... | | Compression Fitting comprised of 5, 6 and 7 |
| 5..... | | 1/4 in. Compression Female Adapter |
| 6..... | | 1/4 in. Male Hose Barb |
| 7..... | | Brass Ferrule |
| 8..... | | Duct Cover |

Note: Pay special attention to the top of the console as moisture dripping into the console is an electrical hazard.

Outside Services

SERVICE LOCATIONS FOR P40 INCUBATORS

