**AWH** - ONE AIR TO WATER HEAT PUMP, PREHEAT SYSTEM WITH VERTICAL STORAGE TANK AND BACKUP WATER HEATER WITH FORCED BUILDING RECIRCULATION (ONE TEMPERATURE)

**WARNING:** THIS DRAWING SHOWS SUGGESTED PIPING CONFIGURATION AND OTHER DEVICES; CHECK WITH LOCAL CODES AND ORDINANCES FOR ADDITIONAL REQUIREMENTS.

ANY MATERIAL, COMPONENT OR VENDOR CHANGE MUST HAVE PRIOR APPROVAL BY THE APPLICABLE PRODUCT ENGINEERING DEPARTMENT.

**NOTES:**
1. Preferred piping method.
2. The temperature and pressure relief valve setting shall not exceed pressure rating of any component in the system.
3. Service valves are shown for servicing unit. However, local codes shall govern their usage.

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**Diagram Details:**
- HPWH
- Storage Tank
- Expansion Tank
- Back Up Water Heater
- Temperature & Pressure Relief Valve
- Circulating Pump
- Full Port Ball Valve
- Drain
- Check Valve
- Temperature Gage
- Wye Strainer
- Purge & Flush Valve
- Pipe T&P to Open Drain
- Line Thermostat
- Field Supplied Pump for HPWH Models Without Factory Pump
- Minimum 18 Inches Heat Trap Piping
- Preheated Water Out
- Supply to Fixtures
- Purge & Flush Valve
- Drain & Flush Valve
- Field Supplied Pump for HPWH Models Without Factory Pump
- Supply Water (Outlet)
- Return Water (Outlet)
- Supply Water

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A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.