

PEX Domestic Water Systems Startup and Maintenance Checklist



Date _____

Project name _____

Project address _____

City _____

State/Province _____

ZIP/Postal code _____

Completed by _____

Customer _____

Uponor rep agency _____

Uponor rep agency contact _____

The following checklist applies to Uponor PEX piping products in domestic hot water (DHW), domestic cold water (DCW), and DHW recirculation systems (DHW-R).

This checklist is intended to help promote safe and sustainable piping systems. It is a guide only and is not intended to be an exhaustive list of all responsibilities, duties, or requirements associated with the installation of Uponor PEX piping products, nor does it replace governing codes, specifications, and/or standards.

Refer to *Chapter 7: Commissioning, Operation, and Maintenance* in the Uponor PEX Piping Systems Design and Installation Manual for guidance.

Uponor recommends saving the completed checklist as it may be helpful in resolving any warranty issues.

Contact your local Uponor representative with any questions.

Installation Type

- Residential
- Commercial

Service Type

- System startup
- Annual maintenance

1.0 Handling and Installation		Yes	No	N/A	Notes and comments
1.1	ProPEX connections were performed correctly with no gaps between the ring and stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.2	Installed pipe and fitting system is confirmed to be Uponor PEX and ProPEX® only (warranty may be impacted if using other manufacturers' PEX pipe or F1960 expansion fittings)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.3	Minimum distances between ProPEX connection (cut lengths) are maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.4	Organic chemicals, petroleum, or solvent-based paints were sprayed on Uponor pipe and fittings (if yes, list the chemicals)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6	Balancing valves have been set or exercised since the last system maintenance review	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

2.0 System Operating Temperature		Yes	No	N/A	Notes and comments
2.1	Control devices were installed and tested to properly control DHW delivery temperature (mixing, aquastats, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.2	Control devices set not to exceed 140°F/60°C (note operating temperature in comments section)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.3	Thermometers are installed in the system piping to properly display the supply water temperature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3.0 System Operating Pressure		Yes	No	N/A	Notes and comments
3.1	System pressure does not exceed 80 psi per industry/code recommendations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	Pressure gauge(s) installed within the system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	Expansion tanks are installed and pressurized per manufacturers' recommendations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.4	Pressure reducing valves (PRVs) set to not exceed 80 psi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.5	PRVs were inspected and serviced as needed along with pressure verification not to exceed 80 psi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.6	Backflow preventer installed either as standalone or in water meter, etc. (if "Yes", ensure 3.3 is also "Yes"; if not, an expansion tank will need to be installed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.7	System contains water hammer arrestors since the last system maintenance review	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8	Booster pump delivery pressure does not exceed 80 psi for PEX piping segments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9	Relief valves checked and cycled (ensure secondary relief valve setting does not exceed 80 psi)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.0 Domestic Hot Water Recirculation		Yes	No	N/A	Notes and comments
4.1	Recirculation pump flow does not exceed 2 feet per second (fps) (note method of confirmation – circuit setter, flow restrictor, pump curve, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.2	Temperature for DHW-R line does not exceed 140°F (60°C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Note: For additional copies of this checklist, please visit [uponor.com](https://www.uponor.com).

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