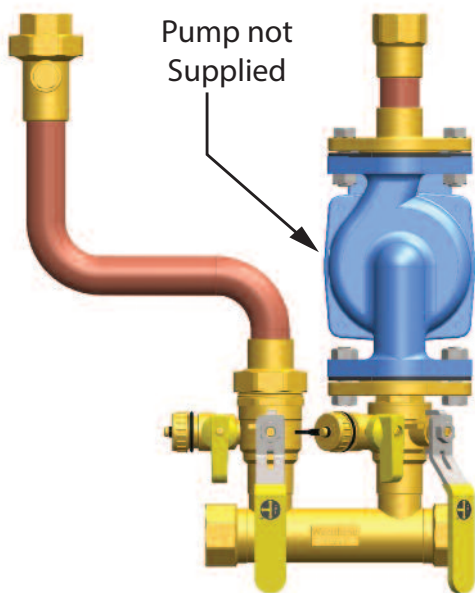


Challenger

Timesaver Primary Secondary Piping Manifolds

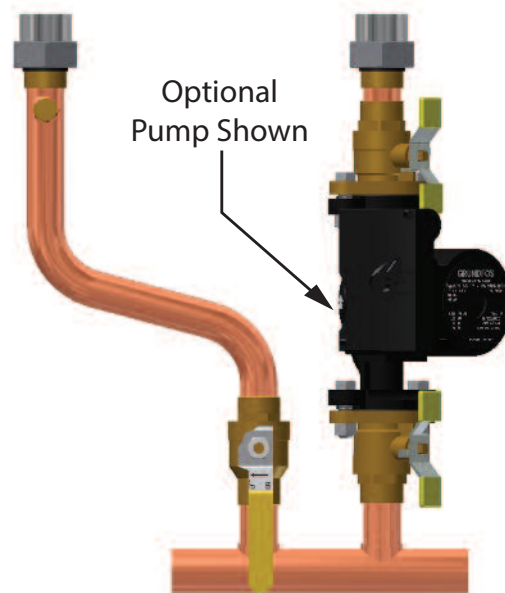
The Timesaver Primary Secondary Piping Manifolds can help you correctly complete the Challenger boiler installation and be out to the next job quicker than ever. The Timesavers come “Ready to Install” to the Challenger’s connections. Key features include:

- Accepts most standard pumps such as Taco “00”, Grundfos UPS, Wilo Star, etc.
- Provides 1” NPT boiler connections and 1.25” sweat or NPT system connections.
- Ball valves enable the boiler and / or pump to be isolated from the heating system for maintenance.
- Integrated fitting for the temperature and pressure gauge supplied with the Challenger.



Model CCRKIT200
(without pump)

- 1.25” NPT System Connections
- Boiler Isolation
- Hose bibs for quick purging of air or maintenance.



Model CCRKIT201
(without pump)

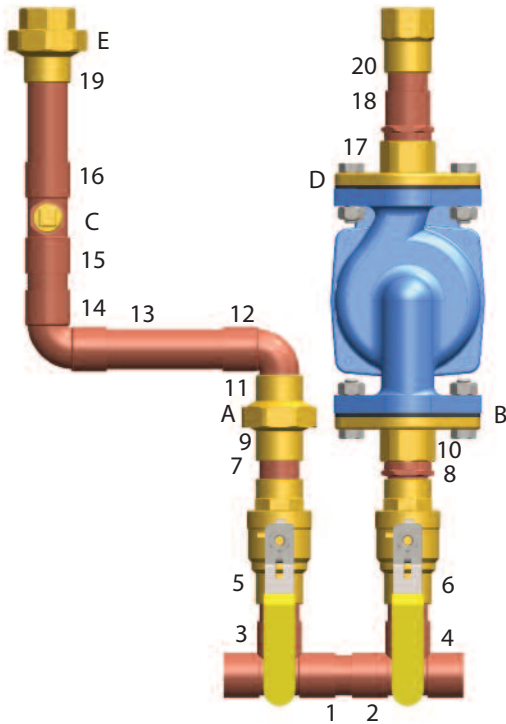
Model CCRKIT202
(with Grundfos UPS 15-58 FC pump)

- 1.25” Sweat System Connections
- Boiler and Pump Isolation
- Available pre-assembled with Grundfos pump

Timesaver

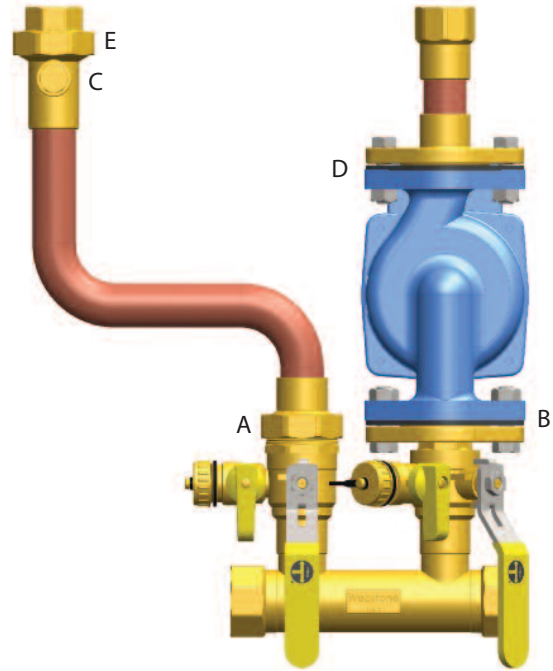
The Timesaver not only cuts your piping design and build time, but it also ensures the piping is leak free and designed to maximize system performance. This reduces rework and call-backs.

Field Prepared Piping



20 permanent (soldered or threaded) connections
5 removable connections (A to E)

Timesaver Complete Solution



5 removable connections (A to E)

Pump Specification Table

Pump Manufacturer	Δ T	CHALLENGER CC 85	CHALLENGER CC 105	CHALLENGER CC 125
Grundfos	20 F	UPS 15-58 FC Speed 2	UPS 15-58 FC Speed 3	UPS 26-99 FC Speed 3
	30 F	UPS 15-58 FC Speed 1	UPS 15-58 FC Speed 2	UPS 15-58 FC Speed 3
	40 F	UPS 15-42 F Speed 2	UPS 15-58 FC Speed 1	UPS 15-58 FC Speed 2
Taco	20 F	00R-IFC Speed 2	00R-IFC Speed 3	0011-IFC or 0013-IFC
	30 F	007-IFC	00R-IFC Speed 2	00R-IFC Speed 3
	40 F	006-IFC	007-IFC	00R-IFC Speed 2
Wilo	20 F	Star S 21 F/FX Speed 3	Star 30 F	Top S 1.25 x 25
	30 F	Star S 21 F/FX Speed 2	Star S 21 F/FX Speed 3	Star S 21 F/FX Speed 3
	40 F	Star S 21 F/FX Speed 1	Star S 21 F/FX Speed 2	Star S 21 F/FX Speed 2

Note: A high system (secondary) loop flow rate with a low boiler (primary) loop flow rate will limit the maximum attainable system supply temperature. A low system loop flow rate with a high boiler loop flow rate will limit the boiler output to the system. Size circulators accordingly.