RHEEM EQUA-FLOW® MANIFOLDING

FLEXIBILITY AND REDUNDANCY

UP TO 10 STORAGE TANKS PER BANK | **325-5,000L + REDUNDANCY** | **SUPERIOR FLEXIBILITY**

Increase storage and increase output with Rheem Equa-Flow®

Big on water, big on efficiency

If you need large volumes of hot water handled as efficiently as possible, you need to learn about Rheem Equa-Flow®.

With Rheem Equa-Flow® system, multiple water heaters or storage tanks of the same model can be manifolded to operate as one system.

This means both increased storage and increased output, with each water heater contributing an equal share of the work.

And it's very simple to add more water heaters to the bank, provided the plumbing is altered to keep the cold water inlet to the bank on the end opposite to the hot water outlet.

Circulated flow and return systems

The return line from the recirculation system should be connected to the common cold supply to the water heaters, after the main non-return valve and pressure limiting valve and before the first cold branch.

The circulator should be isolated by a gate valve on either side and a non-return valve installed after the circulator.

Minimum distance requirements

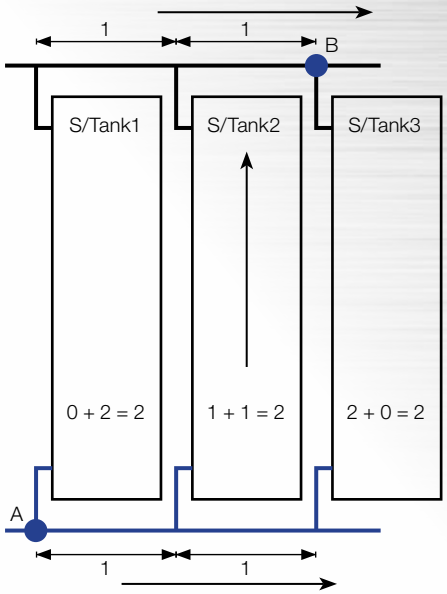
When you design and install a water heater system using the Rheem Equa-Flow® manifold system, it's important to observe the minimum distance requirements between water heaters and from obstructions.

This allows for correct operation of the water heaters and access for servicing and maintenance.

Notes

1. In all installations, sufficient space must be left to enable servicing or removal of any water heater. Refer to the product tables on Page 84 for minimum centre to centre distances.
2. The maximum number of water heaters in any bank should be 8 for gas and electric models and 10 for storage tanks. However, several banks can be installed.
3. The hot water line from the manifold must leave from the opposite end to which the cold water line enters the manifold.
4. The hot water header, cold water header and cold water inlet pipe should be a minimum of DN32 pipe and be at least the next nominal diameter above the size of pipe required for the hot water outlet pipe to the system.
5. The cold water inlet pipe and the primary circuit piping should be the same size whichever is the largest.
6. The hot water outlet pipe and cold water inlet pipe should be the same size and sized according to the requirements of the particular installation.
7. A non-return valve, isolation valve and if required a pressure limiting valve and expansion control valve must be installed on the main cold water supply only, as shown in the diagram.
8. A full flow gate valve or ball valve must be installed on the branches to each water heater.
9. Cold water supply branches to each water heater must be identical. Hot water outlet branches from each water heater must be identical.
10. Non-return valves, pressure limiting valves or loose jumper valves must not be installed in the branch assemblies to each water heater, since preferential flow through one water heater will result.

Equa flow principal



How Equa-Flow® works:

From Point "A" thru the first S/Tank1	= 0,	then out of S/Tank1 to Point "B"	= 2	0 + 2 = 2
From Point "A" thru the second S/Tank2	= 1,	then out of S/Tank2 to Point "B"	= 1	1 + 1 = 2
From Point "A" thru the third S/Tank3	= 2,	then out of S/Tank3 to Point "B"	= 0	2 + 0 = 2

} Equa-Flow

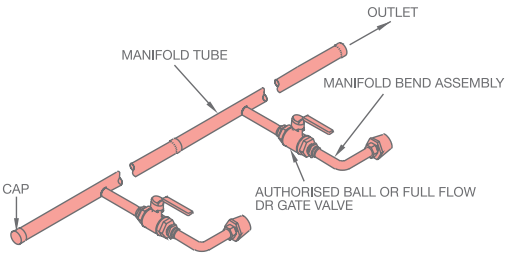
TECHNICAL DATA

INSTALLATION LAYOUT MINIMUM DIMENSIONS						
Model	A	B	C	D	E*	F*
Electric						
A613 050	685	435	250	100	1465	900
A613 315	890	640	250	100	1680	900
A616 315	890	640	250	100	1680	900
Storage						
A610 340	890	640	250	100	1640	900
A610 430	935	685	250	100	1685	900
RT1000	1250	1000	250	100	1985	900
Gas Indoor						
A620260N0	845	595	250	100	1670	900
A624 265	860	610	250	100	1750	900
A624 275	890	640	250	100	1780	900
Gas Outdoor						
A630260N0	920	595	420	420	1670	900
A634 265	920	610	410	410	1710	900
A634 275	890	640	350	350	1780	900

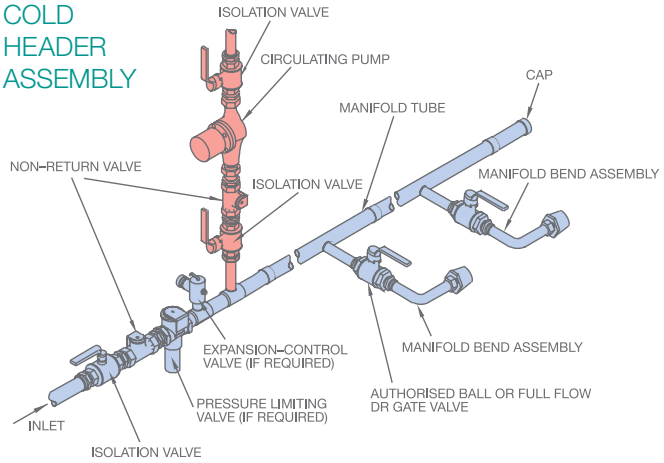
*A distance of 900mm is required for access, servicing and removal of the water heater.

Manifold arrangement

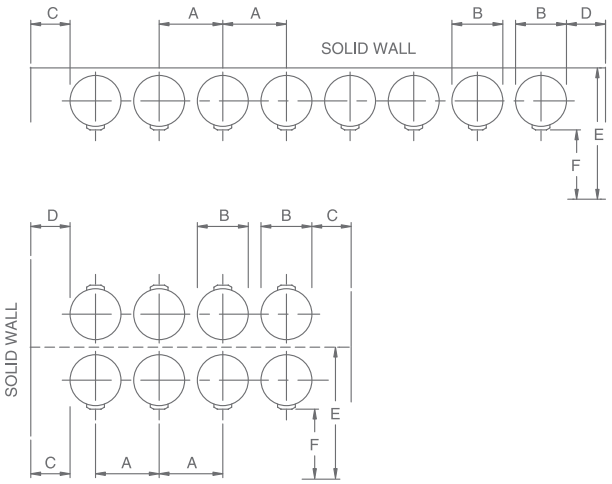
HOT HEADER ASSEMBLY

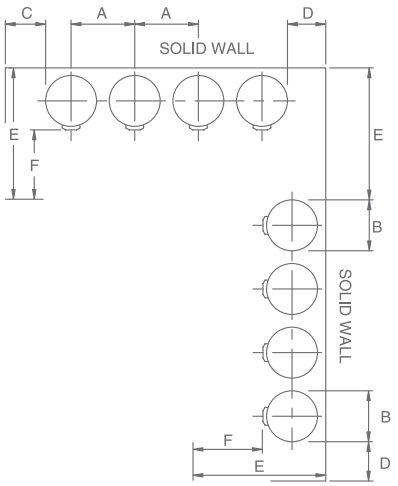


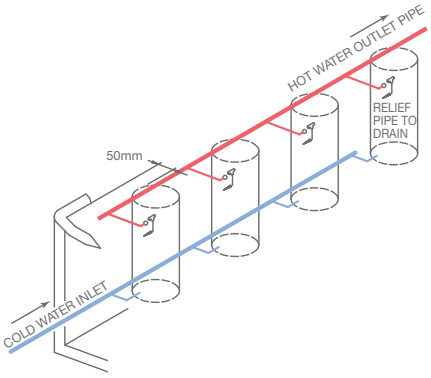
COLD HEADER ASSEMBLY



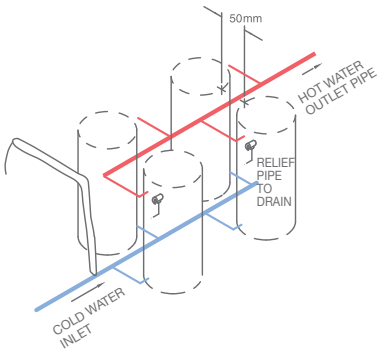
BACK TO BACK MANIFOLD



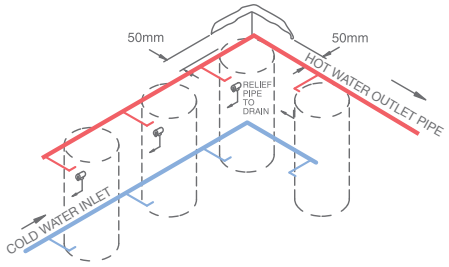




IN LINE



BACK TO BACK



ANGLE