



Stainless steel manifold

Unpacking and initial assembly.

In order to protect fragile components, certain pieces are packed separately and need to be attached before proceeding. Isolating valves packed separately. Thermostatic dials to be inserted into the isolating valves are available as an option.

It is recommended that all connections are tightened up before filling the manifold with water as they can become loose from transportation.

The surface mounted manifold cabinet should be fixed to the wall by simply drilling holes through the metal cabinet and fixing to the wall with screws.

Extra caution should be taken when installing flush mounted cabinets to ensure that the wall depth is compatible with the cabinet.

Pre-installation - Plumbing information

Primary connections to the JUPITER manifold are made using standard 1" fittings. The manifold includes 1" ball valves. Primary pipe work for surface mounted cabinets should preferably be run to enter the manifold cabinet from beneath and left. Flush mounted cabinets come with punch out panels on the side so primary connections can enter from the left side or from beneath.

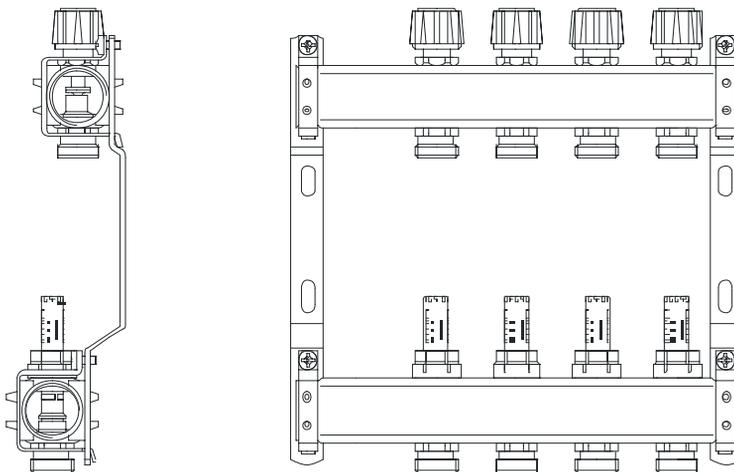
Systems with either large primary circuits or with three floors or more should be equipped with it's own automatic air vent device. The vents located on the manifold are intended for purging air from the JUPITER system and not the feed pipe work. The primary flow and returns should be back flushed and purged of air prior to the opening of the connected ball / isolating valves.

Pre-installation – Electrical information

For pre installation electrical information please see installation information specific to your choice of control solution.

Flow meters

Simply leave open unless otherwise advised. The ideal flow rate is between 1.5 -2.4 l/m and can be adjusted if necessary.





Stainless steel manifold



Fix isolating valves to the manifold



Always deburr the end of pipe with bevelling tool before attaching to manifold



Place nut and brass split ring over pipe before inserting Eurokone fitting



Push Eurokone insert and pipe into manifold and tighten up with spanner



Continue procedure with all circuits



Close all blue caps on the return manifold except for circuit to be filled



Close isolating valves



Open fill and drain valve using key on the back of cap



Attach Hozelock fittings



Fill via the lower valve and connect return hose to upper valve and allow to drain into an outside bucket



Once no more air bubbles emerge, simultaneously close the completed circuit and open the next one



Once purged with air close fill & drain valves using cap. Close upper return valve first then lower fill valve. Only then turn off water supply and remove hoses.



Stainless steel manifold



Once purged with air close fill & drain valves using cap. Close upper return valve first then lower fill valve. Only then turn off water supply and remove hoses.



Connect pressure test equipment to upper return valve. Before connecting pressure test pump some water out through the connecting pipe to avoid pumping unnecessary air into system. Before opening return valve with cap bring pressure up to approx. 4 bar



Once connected pump up to 6 bar. Once satisfied that there are no leaks, leave on test for a minimum of 1 hour.



Once completed decrease pressure to 2 bar and then close return valve using cap. Release remaining pressure before removing test equipment from manifold. Remove testing equipment and close cap.



Flush fitting



Surface mounted

Manifold and manifold cabinet sizes

Number of circuits	2	3	4	5	6	7	8	9	10	11	12	
Just manifold (inc. ball valves) width mm	250	300	350	400	450	500	550	600	650	700	750	
Cabinet sizes												
Surface mounted (W)	400	400	450	580	580	730	730	730	830	830	830	D:140mm
Height (H)	900	900	900	900	900	900	900	900	900	900	900	
Flush mounted (W)	410	460	515	515	600	750	750	750	900	900	900	D:120mm (min.)
Height	700-800	700-800	700-800	700-800	700-800	700-800	700-800	700-800	700-800	700-800	700-800	

Please note that wiring centres and control units for some thermostatic control systems may not fit within the manifold cabinet. For further information on the fitting of electrical equipment within manifold cabinets please call us.