



JK floorheating

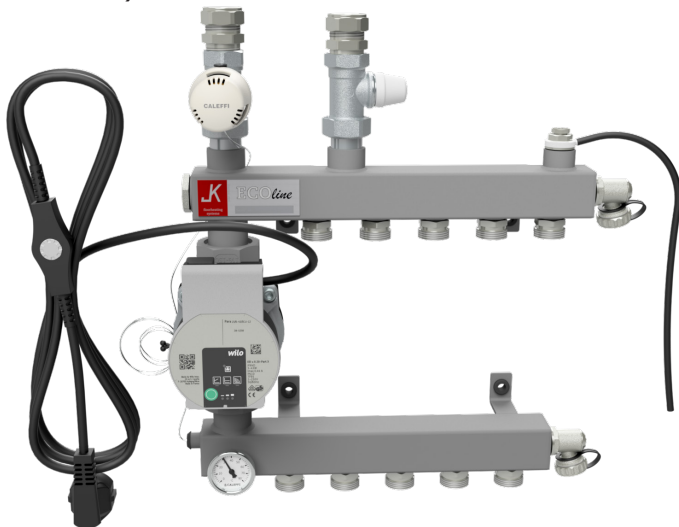
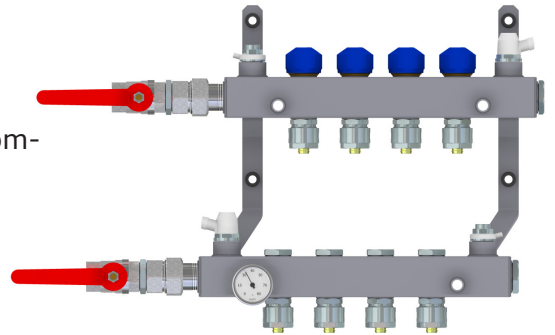
TECHNICAL | MANIFOLD

TECHNICAL SHEET

DIMENSIONS JK BASIC & LT MANIFOLD

Features JK Basic | JK LT Stainless Steel Manifold

- Draincocks (standard on Basic and LT)
- Temperature gauges (standard on Basic and LT)
- Injection | mixing manifold (Basic only)
- High limit shut off valve (Basic only)
- TRV with adjustable temp (Basic Only)
- Energy-efficient A-label Wilo Yonos Para pressure-compensated pump (Basic only)
- ¼ turn Isolating valves on each manifold (Basic Only)
- Balancing valves with flow rate indicators (LT only)
- 230 [V] actuators each loop (optional on Basic and LT)
- AAV (optional on Basic and LT)
- Balancing valves with flow rate indicators (optional on Basic)



Number of loops:	2	3	4	5	6	7	8	9	10	11	12
Length [mm] :	380	430	480	530	580	630	680	730	780	830	880
Depth [mm] :	150	150	150	150	150	150	150	150	150	150	150
Height Basic [mm]:	400	400	400	400	400	400	400	400	400	400	400
Height Basic [mm]:	330	330	330	330	330	330	330	330	330	330	330

* IMAGE JK BASIC 5 loop manifold & JK LT 4 loop manifold

TECHNICAL SHEET

T&C INSTALLATION MANIFOLD



The location of the manifold is to be determined in consultation with your dealer or with JK floorheating Ltd. A reasonable location has to be selected from a technical point of view, with due regard for the following conditions:

- The distance from the underside of the manifold to the floor must be at least 200 [mm], and the clear distance above the manifold must be at least 150 [mm].
- The manifold may not be placed in a [electric] cupboard (building regulations).
- The manifold cannot be positioned below the level of the underfloor heating (due to venting problems), the manifold must be installed on the same floor as the underfloor heating system.
- The manifold must be installed within a radius of 2 [metres] from the floor to be heated.
- The connection of the manifold to the heating system (primary connection) need to be done by a 22mm connection (for JK basic) and a 28mm connection for JK LT manifold
- The connection can be made - outside scope JK -:
 - a. directly from the room in which the manifold it installed
 - b. from the creep space by means of drilling through the floor, in which case the crawling space must be dry, accessible and free from obstacles
 - c. drilling through the wall of a room directly adjacent to the room in which the manifold is to be installed
 - d. by a combination of a, b or c
- It must be possible to rout or drill the floor at the location of the manifold so that the underfloor heating pipes can be laid directly from the manifold.

Electrical requirements

- 230 [V] mains power supply, this can be a 3A spare located withing 1 [m] range from the manifold location, or advisable to have a power-supply through your boiler or control system to operate the manifold (Basic only)
- 5-core signal cable from boiler (heat source) to manifold location
- Elements required to control a JK manifold - outside scope of JK and can be purchased separately from a control manufacturing compnay as Heatmiser, Honeywell, Danfoss, Ambiente, Genius, Hive, Nest, etc.)
 - *Room thermostat (per zone)*
 - *Wire-centre (if more then one zone)*
 - *Motorised 2-port valve (22mm) to be incorporated into the primary connection*
 - *Actuators (230V) with a M30 connection*