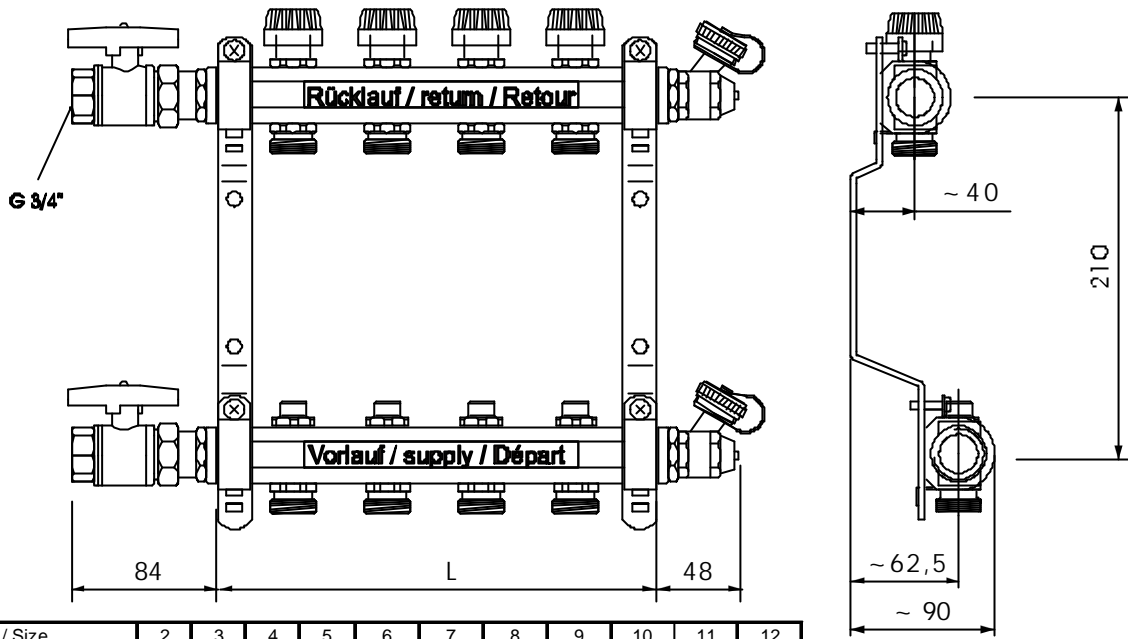


# Instruction sheet HKV 510



Größe / Size	2	3	4	5	6	7	8	9	10	11	12
Länge / length mm	125	175	225	275	325	375	425	475	525	575	625
Länge / length inches	4,92"	6,89"	8,86"	10,83"	12,80"	14,76"	16,73"	18,70"	20,67"	22,64"	24,61"

## 1. Installation

### In the manifold cabinet:

The brackets of the heating manifold are secured to the moveable C hollow bars via the prepared bolts or boreholes. Please follow the respective mounting instructions.

### Wall mounting:

The heating manifold is secured to the manifold bracket via the boreholes using the supplied fastening set (4 plastic plugs S8+4screws6x50).

The union screw connections of the ball valves and end pieces are flat-sealing. They should be tightened using a 38 wrench to approx. 35-45Nm.

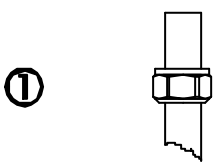
Please consult the instructions on pipe mounting when connecting the pipes to the valves.

To fill the heating manifold, attach hoses to the valve nozzles of the filling cocks and fasten in place. The valves can be opened and closed by turning to the left/right. The heating circuits can be identified by attaching self-adhesive labels

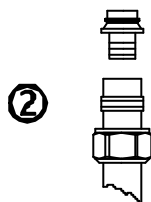
to the manifold block. This ensures correct assignment of the outlets of the manifold to the various rooms.

The manifolds are factory-tested for seal-tightness (using the differential pressure method) and proper functioning. The testing pressure for the manifolds is 6 bar. The closing dimension of the valves is 11.8mm.

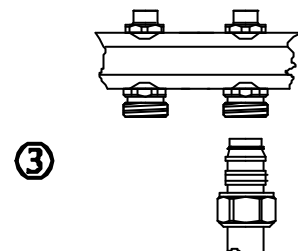
## 2. Installation of pipes



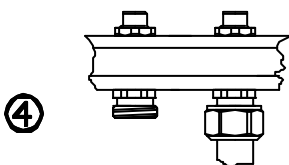
① Cut off the plastic pipe at a right angle and debur/calibrate. Push the clamping ring nut over the pipe.



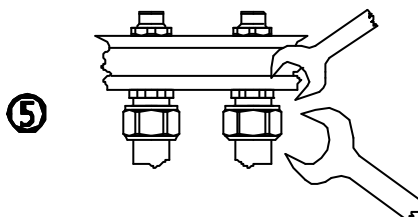
② Push the clamping ring over the pipe and insert the hose nozzle.



③ Insert the pre-assembled pipe into the screw connection.



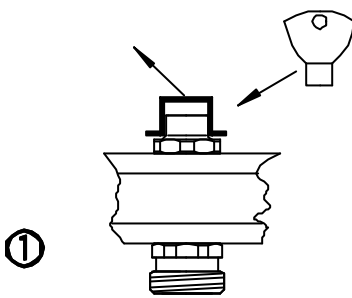
④ Screw on the clamping ring nut by hand. Push the plastic pipe up to the stop.



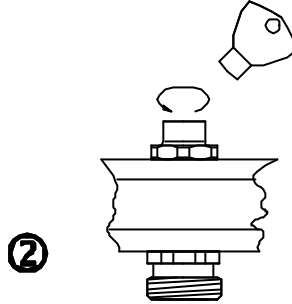
⑤ Counter the outlet screw connection using an open-end 24 wrench and tighten the clamping ring nut using an open-end 30 wrench (approx. 25 - 30 Nm).

# Instruction sheet HKV 510

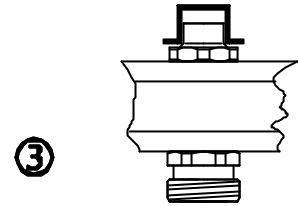
## 3. Setting the volume



Remove the plastic cap and close the valve by turning to the right using a bleed key (close = smallest volume).



Adjust the required flow volume by turning the regulating spindle to the left (see diagram).



Put the plastic cap back on after setting to prevent accidental adjustment or soiling of the valves.

Pressure loss  
Thermostat inserts  
Kvs = 2.44 m<sup>3</sup>/h

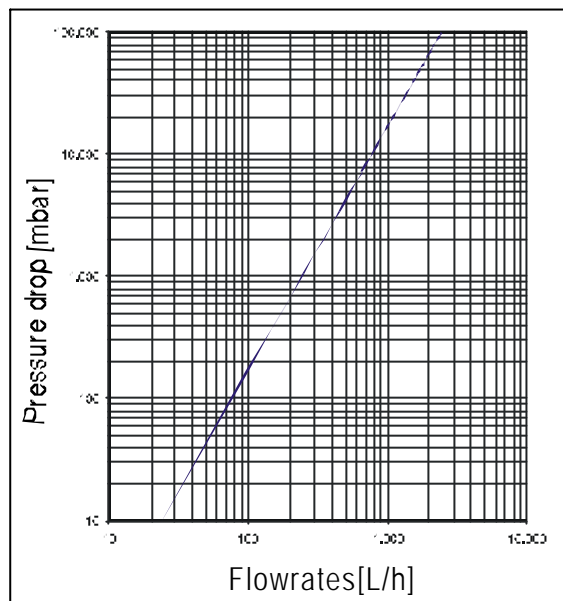


Diagram showing  
adjustment of the  
fine regulation valves

