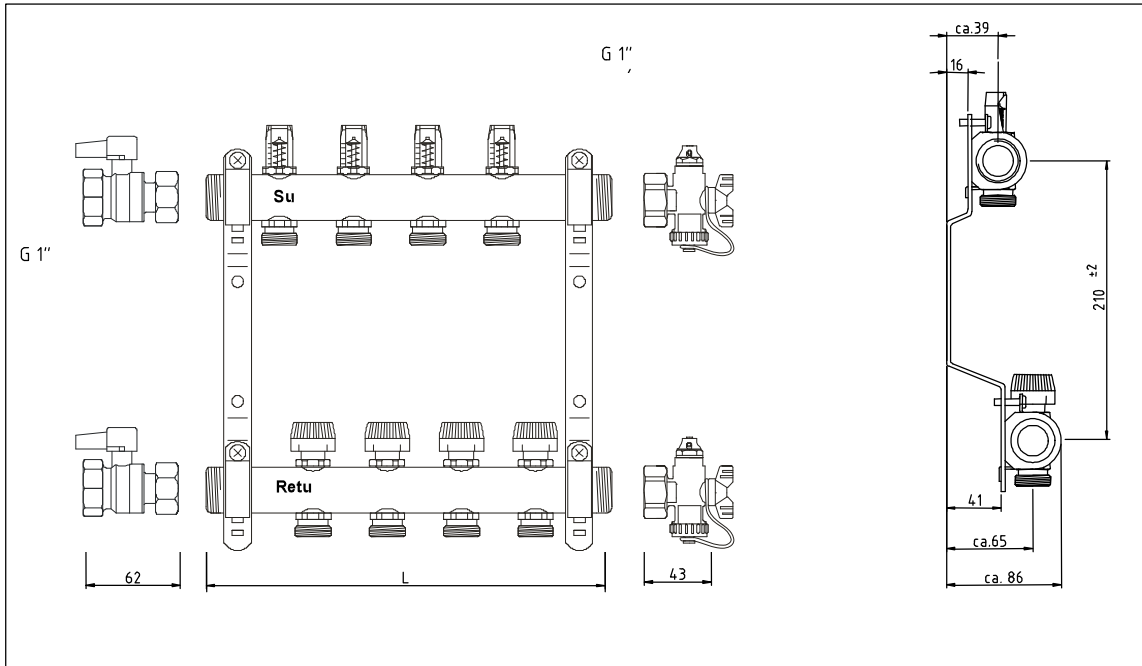


Instruction sheet for manifold 1" type HKV 2013

I. Assembly of the manifold:



Manifold zones	2	3	4	5	6	7	8	9	10	11	12
Length in mm	190	245	300	355	410	465	520	575	630	685	740

Fasten manifold at the wall. Make sure it is in horizontal position!

For the connection of the tubes to the compression fittings (Euro Cone), please take a look at the remarks on the next page.

The different zones / circuits can be marked with the self-adhesive labels on the manifold pipes.

The screw connection 1" with ball valve 1" and the manifold end set 1" are flat sealed and should be fastened with a fork wrench size 38 mm

To fill the manifold, push the hoses over the spouts of the filling valves and clamp them.

The manifolds should be checked at a pressure of 8 bar.

WATTS MANIFOLD REQUIREMENTS

PORTS	Length (mm)	
	Without mixer	With mixer
2	295	545
4	405	655
6	515	765
8	625	875
10	735	985
12	845	1095

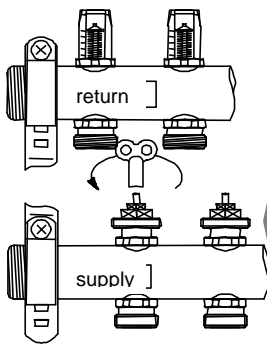
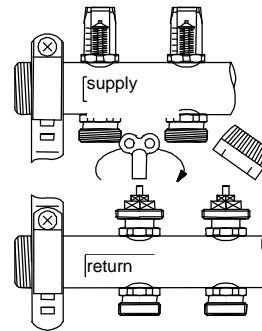
Watts Manifold Cabinets

CODE	DIMENSIONS
UFC0750	750mm x 600mm x 130mm
UFC0900	900mm x 600mm x 130mm
UFC1100	1100mm x 600mm x 130mm
UFC1200	1200mm x 600mm x 130mm

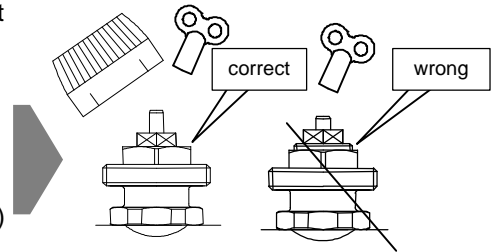
Instruction sheet for manifold type 2013 1“

II. Setting of the flow control:

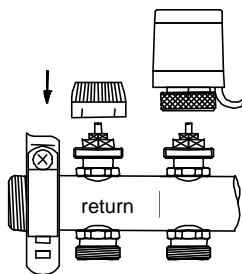
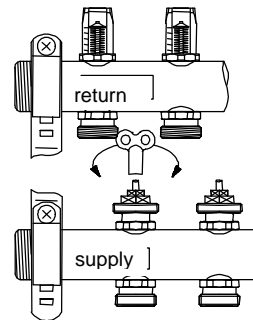
1. Remove site protecting cap.
Close the valve with a right turn
of the adjusting spindle with
socket wrench size 5



2. Adjust the volume flow by
turning the spindle left to orient
at diagram 1 or at the
flowmeter scale. The fine
thread of the adjusting spindle
must not be seen above the
hexagonal edge.
With 2,5 – 3 left turn, the valve
is completely opened (full flow)



3. Read the volume flow from
the scale of the flowmeter
and when required readjust.

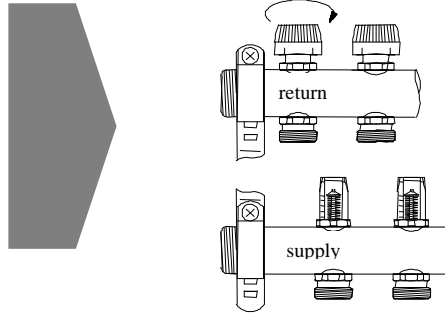


4. Assemble site protecting cap
or servo drive. This
prevents casual impacts on
the presetting as well as
penetration of dirt into the
valves.



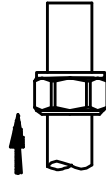
Instruction sheet for manifold type 2013 1"

5. When required individual zones can be turned off with the site protecting cap. The presetting remains unchanged!



III. Installation of plastic / copper tubes:

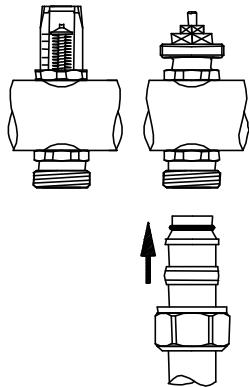
1. Cut off the plastic -/ copper tube at a right angle and remove any sharpe edges. Push the sleeve nut over the tube.



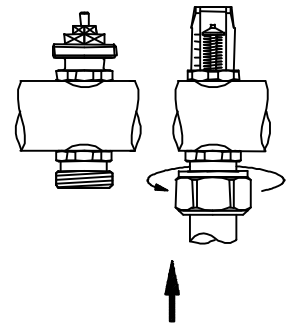
2. Shove the clamping ring over the tube and introduce hose nozzle.



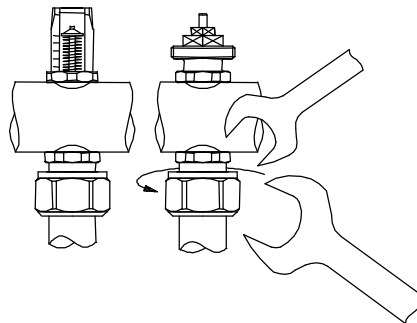
3. Insert the preassembled tube into the valve.



4. Wind the sleeve nut over the tread of the valve, using your hand and pushing the tube against the valve.



5. Counter the valve thread with fork wrech 24 and tighten sleeve nut with fork wrech 30.
(Force approx. 25-30 Nm)
(Forc approx. 18 lb ft)



Instruction sheet for manifold type 2013 1“

Diagramm 1

turns	kv (kvs) [m ³ /h]
0,25	0,33
0,5	0,56
1	0,85
1,5	1,02
2	1,14
2,5	(1,20)

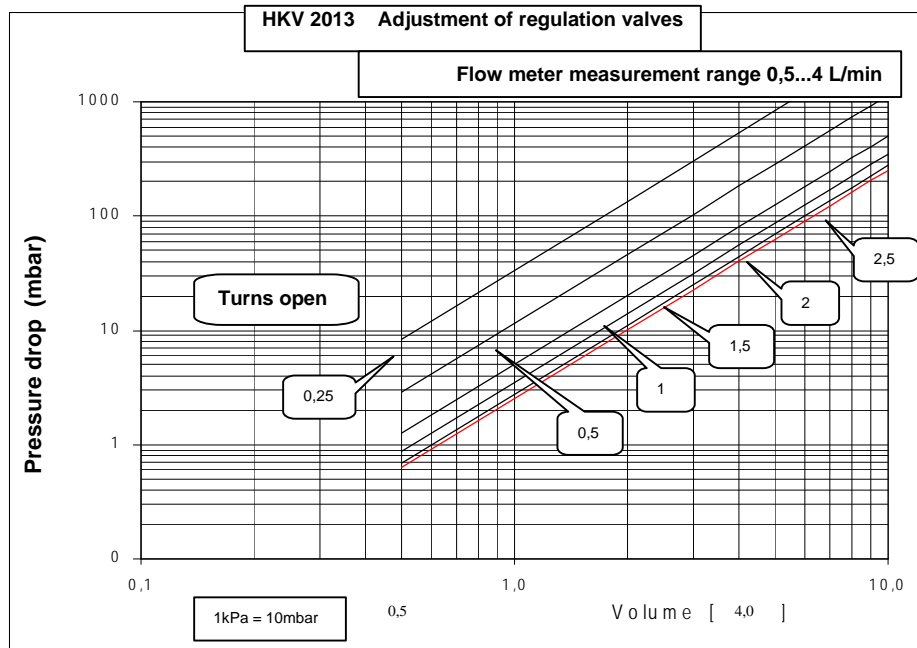


Diagram 2

Zones	kvs [m ³ /h]
1	1,20
2	2,28
3	3,20
4	3,95
5	4,53
6	4,95
7-12	5,20

