



Job Name: \_\_\_\_\_

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_

Spec Section: \_\_\_\_\_

Job Location: \_\_\_\_\_

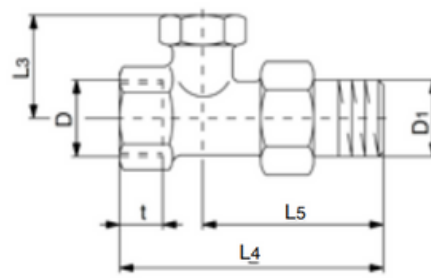
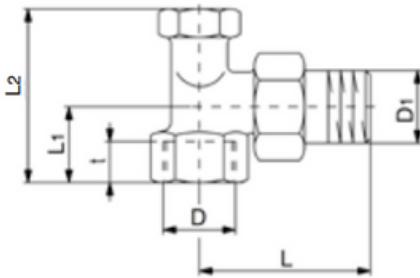
Engineer/Architect: \_\_\_\_\_

\_\_\_\_\_

Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Angle Pattern

Straight Pattern

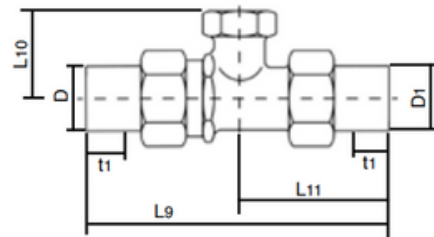
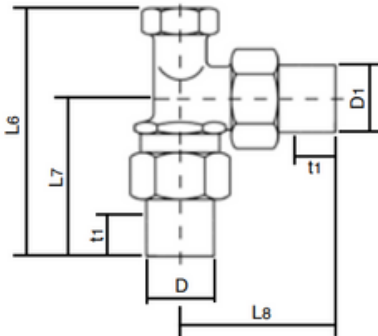


Size	D / D1	t	L	L1	L2	L3	L4	L5
1/2"	0.5	0.52	2.28	1.02	1.89	3.15	2.11	1.18
3/4"	0.75	0.57	2.60	1.14	2.13	3.58	2.44	1.20

**Product specification:**

The Oventrop radiator balancing valve is used to ensure proper flow to the radiator and shut-off.

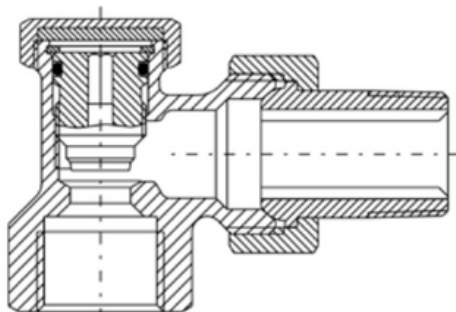
Max. working temperature: 248°F (for short periods up to 266°F), max working pressure: 145 psi.  
Body nickel plated, with O-ring seal.



Size	D / D1	t1	L6	L7	L8	L9	L10	L11
1/2"	0.5	0.53	2.67	1.80	1.85	3.39	1.10	1.53

**Sizes and Types:**

Angle pattern valve	NPT/NPT
1/2"	109 10 82
3/4"	109 10 83
Straight pattern valve	NPT/NPT
1/2"	109 11 82
3/4"	109 11 83
Angle pattern valve	SWT/SWT
1/2"	109 10 92
Straight pattern valve	SWT/SWT
1/2"	109 11 92



Angle pattern valve cross section



Job Name: \_\_\_\_\_

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_

Spec Section: \_\_\_\_\_

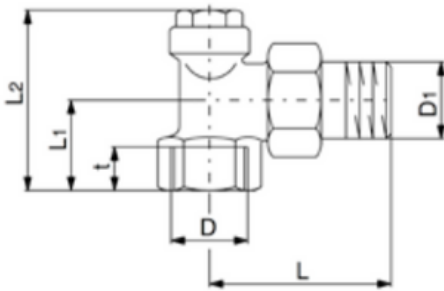
Job Location: \_\_\_\_\_

Engineer/Architect: \_\_\_\_\_

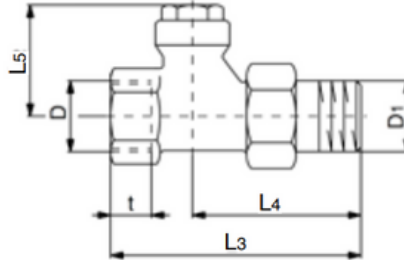
\_\_\_\_\_

Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Angle Pattern



Straight Pattern



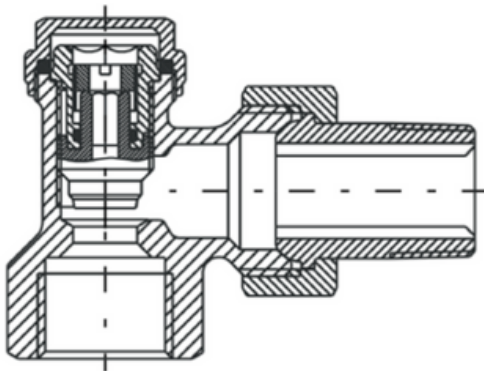
Size	D / D1	L	L1	L2	L3	L4	L5	t
1/2"	0.5	2.28	1.02	2.05	3.15	2.11	1.34	0.52
3/4"	0.75	2.60	1.14	2.28	3.58	2.44	1.36	0.57

**Product specification:**

The Oventrop radiator balancing valve is used to ensure proper flow to the radiator. The "Combi 4" valve can be used for:

1. Filling
2. Draining
3. Shut-of
4. Setting with memory stop

Max. working temperature: 248°F (for short periods up to 266 °F), max working pressure: 145 psi.  
Body nickel plated, with O-ring seal.



Angle pattern valve cross section

**Sizes and Types:**

Angle pattern valve	NPT/NPT
1/2"	109 06 82
3/4"	109 06 83

Straight pattern valve	NPT/NPT
1/2"	109 07 82
3/4"	109 07 83

**Tool:**

Filling and draining tool	118 70 60
---------------------------	-----------

Job Name: \_\_\_\_\_

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_

Spec Section: \_\_\_\_\_

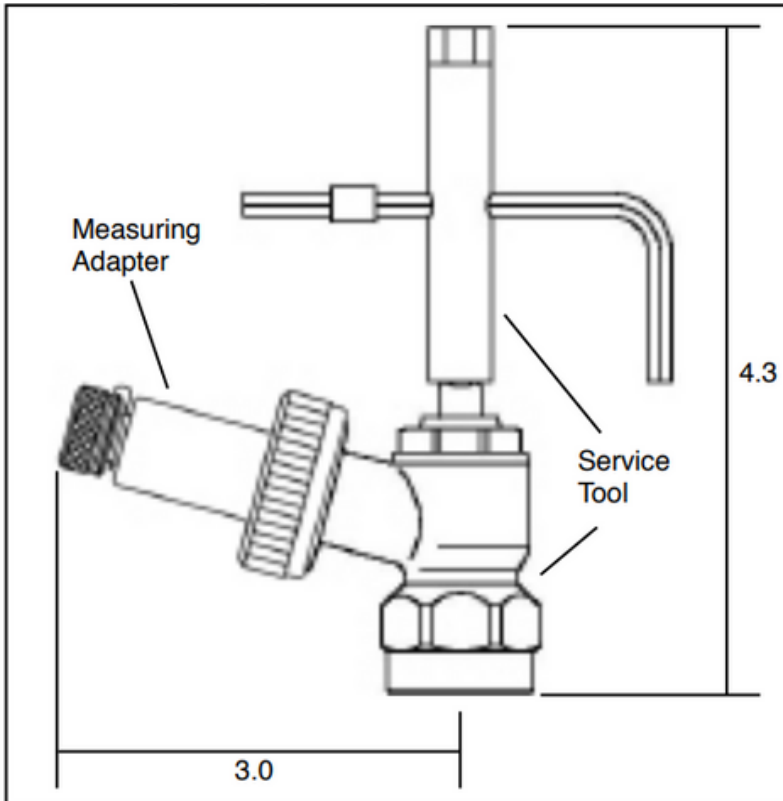
Job Location: \_\_\_\_\_

Engineer/Architect: \_\_\_\_\_

\_\_\_\_\_

Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Dimensions: [Inches]



**Product specification:**

Measuring Adapter      Item: 1060298  
Service tool              Item: 1090551

**Measuring:**

- 1 Remove protection cap.
- 2 Close the valve disc by turning a 4 mm spanner (1) clockwise (illustr. 1).  
Attention: Do not twist the lock nut, otherwise the chosen presetting is no longer given when operating the valve.
- 3 Close the thermostatic radiator valve in the supply pipe.
- 4 Loosen the valve insert by turning a 10 mm spanner (1) counter-clockwise (max. ¼ thread) (illustr. 2).  
Attention: The lock nut has to be screwed in sufficiently so that the 10 mm spanner can be inserted up to 4 mm at least.
- 5 Fit the service tool (2) to the "Combi 4" and connect the measuring adapter (illustr. 3).  
Attention: Tighten the 19 mm compression nut closely (max. 7.4 ft-lbs).
- 6 Fit the 10 mm spanner (1) to the service tool (2) and open the valve by turning it counter-clockwise (illustr. 3).
- 7 With the measuring operation completed, fit the 10 mm spanner (1) to the service tool (2) again and close the insert by turning clockwise (illustr. 4).
- 8 Remove the service tool (2) and tighten insert using the 10 mm spanner (1) (max. 7.4 ft-lbs) (illustr. 5).

