

Tender specification:

Oventrop manual radiator valves "HRV", connection thread M 30 x 1.5, with infinitely adjustable presetting.

Body made of nickel plated brass. Lengths according to DIN EN 215.

Stem with double O-ring seal.

Connection for threaded and copper pipes as well as Oventrop composition pipe "Copipe".

Technical data:

Operating temperature t_s : 2 °C up to 120 °C
(for short periods up to 130 °C)

Max. operating pressure p_s : 10 bar (PN 10)

Low pressure steam 0.5 bar, 110 °C

Function:

Oventrop manual radiator valves "HRV" allow for a precise manual room temperature control. The radiator output is proportional to the setting of the handwheel. A special profile valve disc permits a precise flow regulation.

The concealed infinitely adjustable presetting can be carried out easily, quickly and exactly with the help of a screwdriver. Unauthorised tampering is thus prevented.

The valve body is identical with the Oventrop thermostatic radiator valves. This permits a subsequent conversion to thermostatic operating by simply replacing the valve insert. By using the Oventrop special tool "Demo-Bloc", this conversion can be carried out without draining the heating system.

Advantage:

Oventrop manual radiator valves "HRV" with presetting guarantee the exact hydronic balancing of the installation. They offer a good manual control as well as the possibility of a subsequent, simple and economical conversion to thermostatic operation.

Application:

Central heating and cooling systems with closed circuits for operation with non-aggressive, harmless fluids (e.g. water or suitable water and glycol mixtures (max. glycol proportion 50 %) according to VDI 2035/ÖNORM 5195) and steam 0.5 bar, 110 °C.

Standard connection for threaded pipes but Oventrop offers suitable connection elements for the connection of standard copper, stainless steel, precision steel and plastic pipes. When using compression fittings, the Oventrop "Ofix" compression fittings have to be used. The Oventrop composition pipe "Copipe" is connected by use of the compression fittings "Cofit S" (not suitable for valves with reduced dimensions, item no. 1194503-06 and 1194603-06) or the press fittings "Cofit P".

Model:

Body made of nickel plated brass. Lengths according to DIN EN 215.

Inner parts and coupling made of brass. Stem with double O-ring seal. Handwheel made of heat-proof and impact resistant plastic.

Conversion to thermostatic operation:

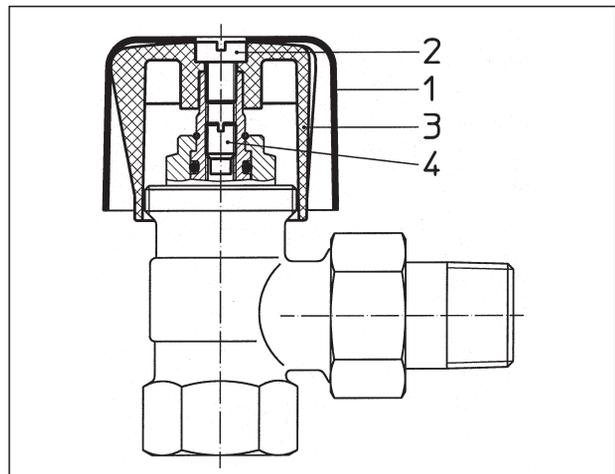
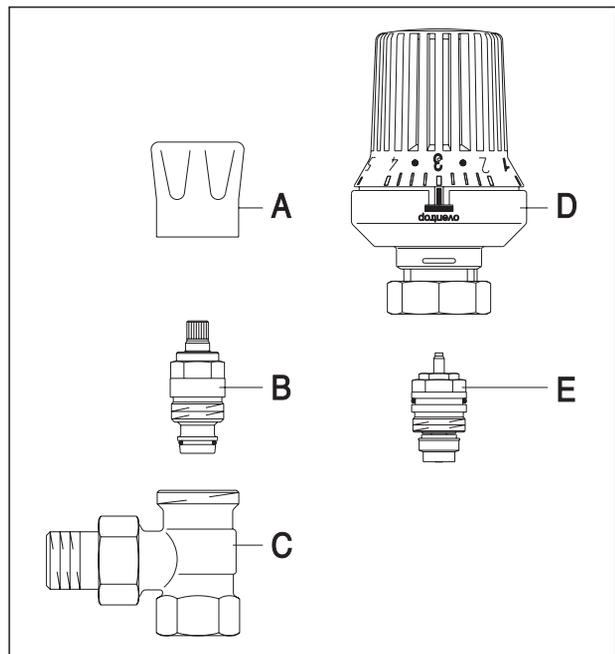
- Remove the handwheel (A).
- Unscrew the regulating insert (B) from the valve body (C).
- Fit the new valve insert (E).
- For control, chose a thermostat with connection thread M 30 x 1.5 (e.g. illustr. D \triangle "Uni XH").

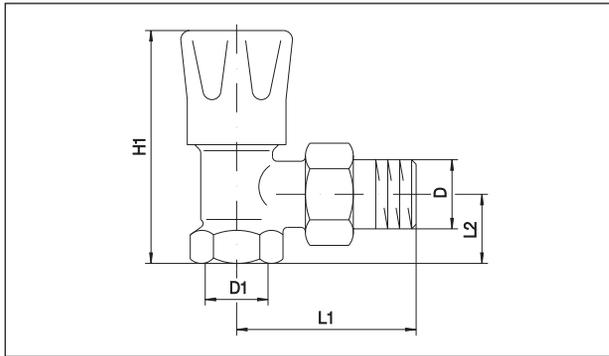
Presetting:

Remove the protection cap (1) and unscrew the hex screw (2). Close the valve by turning the handwheel (3). Turn the pin (4) to the right until stop by using a corresponding screwdriver. Now turn the pin to the left according to the number of turns taken from the chart. Refit the hex screw (2). The valve is preset now.



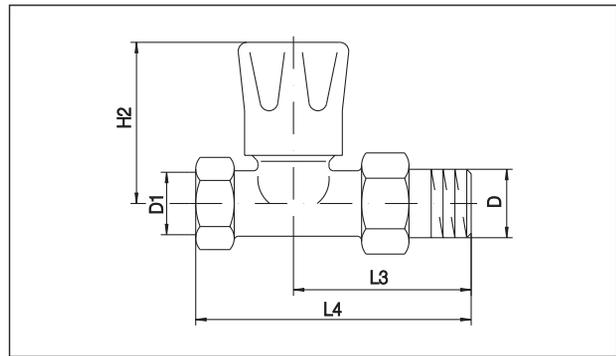
Manual radiator valves "HRV"





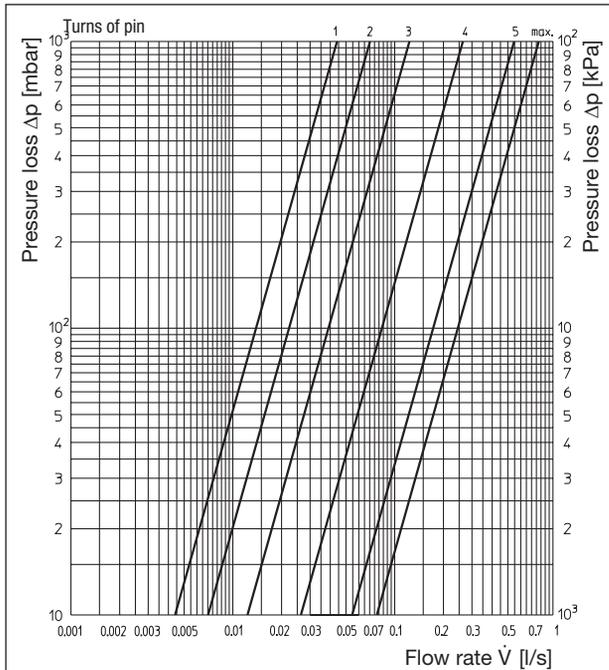
DN	D EN 10226-1	D ₁ EN 10226-1	L ₁	L ₂	H ₁	Item no.
10	R 3/8	Rp 3/8	52	22	76	1191503
15	R 1/2	Rp 1/2	59	26	82	1191504
20	R 3/4	Rp 3/4	66	29	82	1191506
10	R 3/8	Rp 3/8	49	20	76	1194503
15	R 1/2	Rp 1/2	54	23	79	1194504
20	R 3/4	Rp 3/4	63	26	79	1194506

Dimensions angle pattern valve

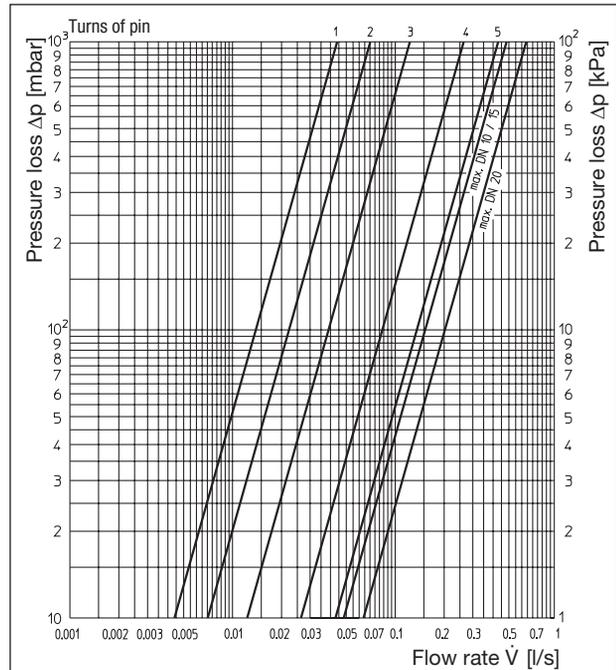


DN	D EN 10226-1	D ₁ EN 10226-1	L ₃	L ₄	H ₂	Item no.
10	R 3/8	Rp 3/8	52	85	59	1191603
15	R 1/2	Rp 1/2	59	95	60	1191604
20	R 3/4	Rp 3/4	63	106	58	1191606
10	R 3/8	Rp 3/8	50	75	59	1194603
15	R 1/2	Rp 1/2	56	83	60	1194604
20	R 3/4	Rp 3/4	63	98	58	1194604

Dimensions straight pattern valve



DN 10, DN 15 and DN 20 angle pattern



DN 10, DN 15 and DN 20 straight pattern

Subject to technical modifications without notice.

Product range 1
ti 139-EN/10/MW
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