oventrop

Valve inserts for radiators
with integrated distributor
Thermostat connection squeeze connection

Technical information

Tender specification:

Oventrop valve inserts for radiators with integrated distributor and connection thread G ½. With 8 presetting values, range of setting visible from outside, manual presetting.

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
Max. Differential pressure: 1 bar
Fluid: Water or suitable ethylene/propylene glycol water mixtures according to VDI 2035 / ÖNORM 5195 (max. glycol proportion 50 %, ph value 6.5-10). Not suitable for steam, oily and aggressive fluids.

Models: **Item no.:**
Type GD, with white protection cap and red setting cap
with front connection   1018099
with seat diameter 16 H11   1018086
with internal O-ring   1018084

Type GDF, with red protection cap and yellow setting cap
with seat diameter 16 H11   1018096
with internal O-ring   1018094

Application:

The Oventrop valve insert item no. 1018099 is suitable for the following radiator types, e.g.:

– Arbonia (up to 2002) – DiaNorm (up to 2010) – Purmo (up to 2010)
– Baufa   – Dia-therm   – Radson (up to 2010)
– bremo   – HM-Heizkörper   – Rettig (up to 2010)
– DEF   – Hoval   – Runtal
– Demrad   – Manaut

The Oventrop valve inserts item no. 1018086 and 1018096 are suitable for the following radiator types, e.g.:

– Brötje (up to 2003)   – DeLonghi (up to 2016)   – VEHA
– Brugman (up to 2013) – Ribe

The Oventrop valve inserts item no. 1018084 and 1018094 are suitable for the following radiator types, e.g.:

– Brötje (since 2003)   – Ferroli/IMA   – Schäfer
– Caradon   – Henrad   – Superia (since 2005)
– DURA   – Korado   – Brugman (since 2013)
– Vasco   – DeLonghi (since 2016)

Setting "N" corresponds to the normal setting (factory setting).

The thermostat connection is a squeeze connection. All Oventrop thermostats of the series "Uni XD", "Uni LD", "vindo TD" and "pinox D" may be used.

Please ensure that fitting the inserts must be made under clean conditions. Screw the valve insert into the radiator and tighten with a 12 mm box spanner or ring spanner with 12 flats (tightening torque approx. 30 Nm). If necessary, keep turning until one cam at the M 23.5 x 1.5 thread points upwards.

Carry out presetting according to the required value. The required setting must be in line with the marking. The presetting is infinitely adjustable between "1" and "N". Setting "N" corresponds to the maximum flow rate (settings in the hatched area must be avoided).

Accessories:

| Designation	Item no.:
Thermostat "Uni XD"	1011375
Thermostat "Uni XD" with remote sensor 2 m capillary	1011575
Thermostat "Uni LD"	1011475
Thermostat "Uni LD" with remote sensor 2 m capillary	1011685
Thermostat with remote control "Uni LD" 2 m capillary	1012275
Thermostat "vindo TD"	1013076
Thermostat "pinox D", chrome plated	1012175
Thermostat "pinox D", white	1012176

Valve insert for radiators with integrated distributor
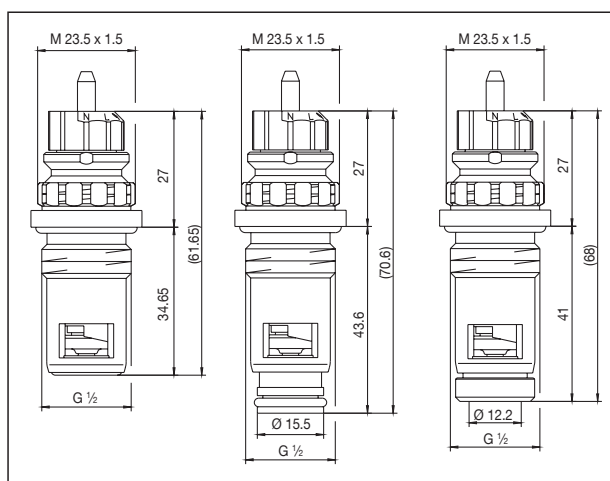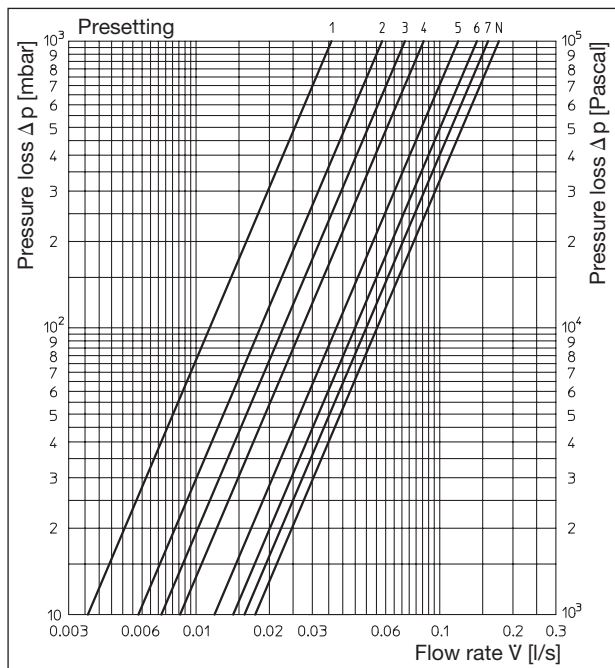

Dimensions item no. 1018099, 1018086/96, 1018084/94

Installation

Alignment
Spanner size 21 mm, 12 flats
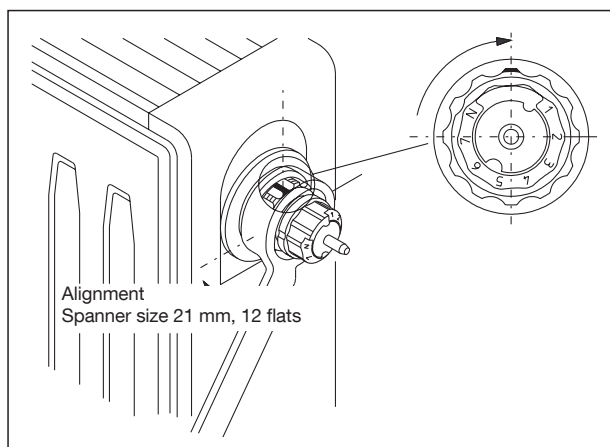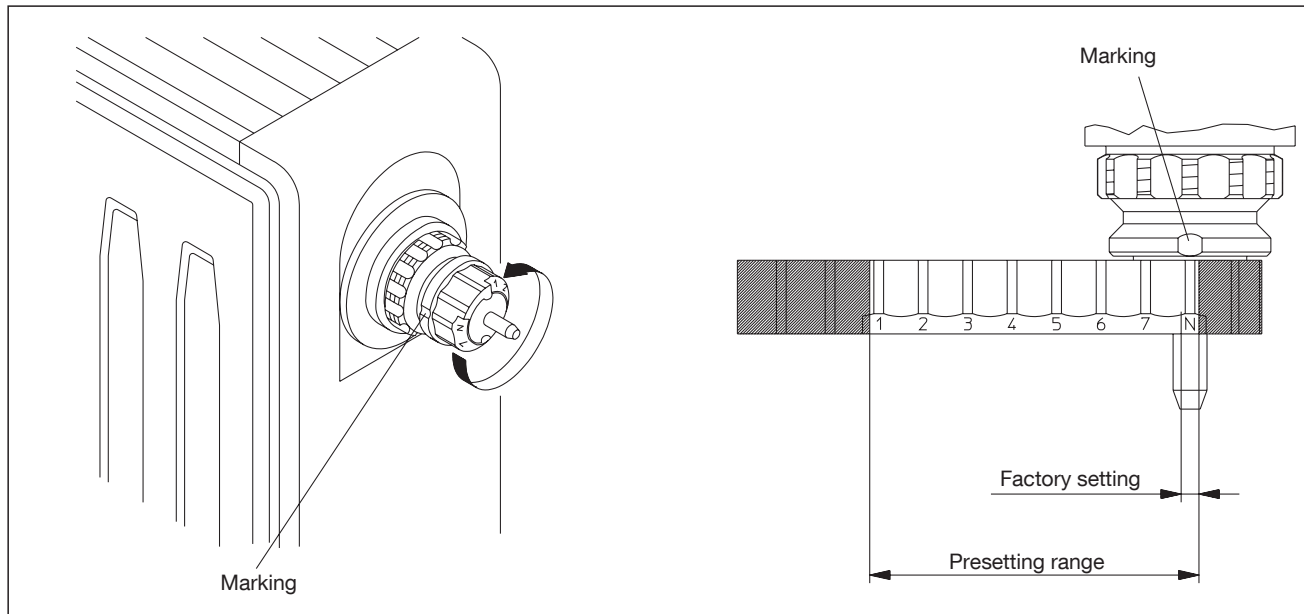
Presetting

Performance data type GD:
Chart: Flow rate depending on the pressure loss at

2 K P-deviation

Performance data type GDF:
Chart: Flow rate depending on the pressure loss at
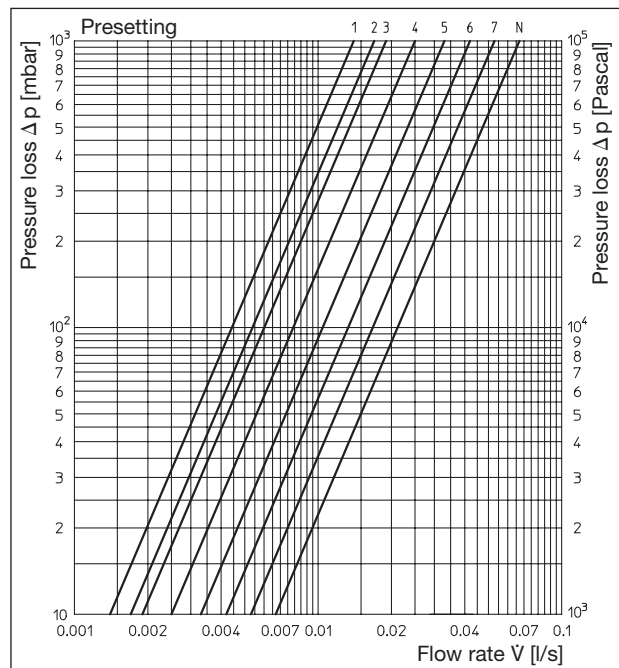
2 K P-deviation

Presetting	1	2	3	4	5	6	7	N
k_V value at 1 K P-deviation	0.12	0.15	0.23	0.25	0.27	0.29	0.30	0.32
k_V value at 2 K P-deviation	0.13	0.21	0.26	0.31	0.43	0.51	0.57	0.63

Presetting	1	2	3	4	5	6	7	N
k_V value at 1 K P-deviation	0.05	0.06	0.06	0.08	0.10	0.11	0.13	0.14
k_V value at 2 K P-deviation	0.05	0.06	0.07	0.09	0.12	0.15	0.19	0.24