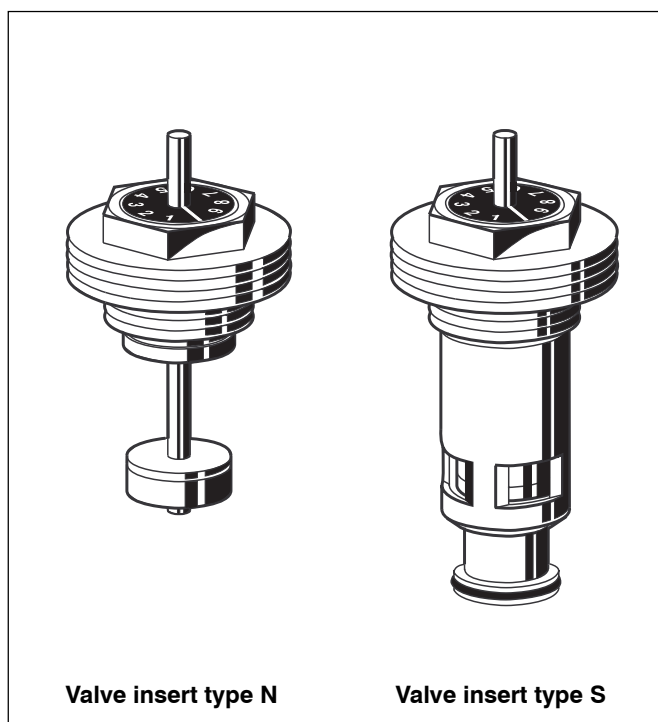


Valve Insert type N Valve Insert type S

For compact radiators

Product specification sheet



Design

The valve inserts are made up of

- Thermostatic valve cartridge with pre-setting ring and flat cartridge
- Valve insert type S is equipped with an additional sleeve

Materials

- Body made of brass
- Spindle made of stainless steel
- Flat cartridge with sealing ring made of EPDM
- O-rings made of EPDM
- Pre-setting ring made of plastic, black

Application

Valve inserts are installed in compact radiators with integrated garniture and G1/2" connection thread or available as accessory for compact radiators with 2- or 6-point connection and without valve insert.

Honeywell valve inserts are suitable for all Honeywell thermostatic valve heads and all Honeywell actuators with M30 x 1.5 connection and 11.5 mm closing stroke.

Features

- Available as type N and type S with additional sleeve
- Equipped with flat cartridge, suitable for one- and two-pipe systems
- Stroke limitation with integrated flush position
- Valve can be pre-set with normal screwdriver
- Maintenance-free, with double O-ring spindle sealing
- Low-noise operation

Scope of application

Medium	Hot water up to 130°C (266°F)
	pH-Wert 8–9,5

Technical specifications

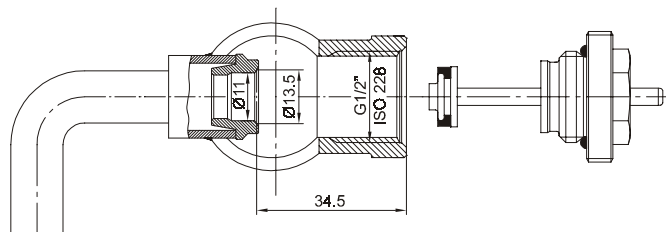
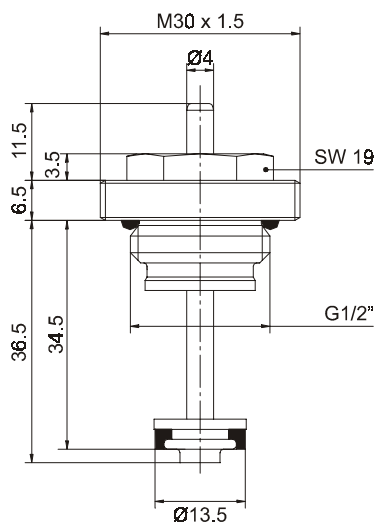
Operating temperature max.	130°C (266 °F)
Operating pressure	max. 10 bar (145 p.s.i.)
Differential pressure	max. 1.0 bar (14.5 p.s.i.) - max. 0.2 bar (2.9 p.s.i.) recommended for quiet operation
K _{vs} -values	1.50 (Valve insert type N) 1.10 (Valve insert type S)
Thermostat thread	M30 x 1.5
Closing stroke	11.5 mm
Stroke	max. 2.5 mm, depending on pre-set stroke limitation

Function

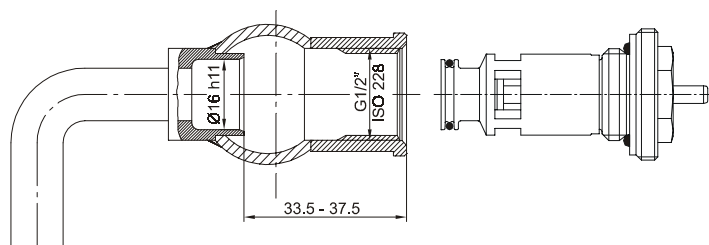
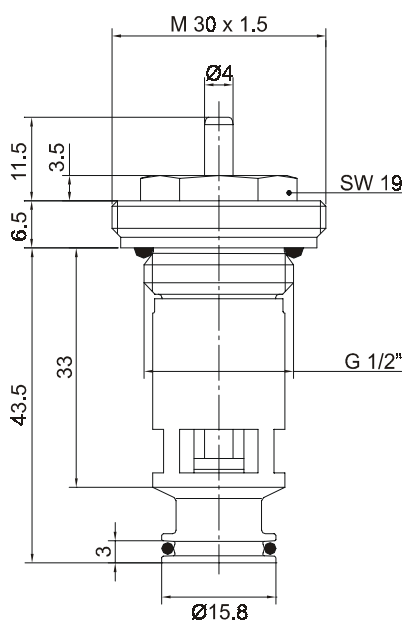
Thermostatic radiator valves (TRVs) individually control room temperatures and thus save energy.

The valves are controlled by the thermostat(ic valve head). Air from the room passing over the sensor in the thermostat causes expansion of the sensor medium as the temperature rises and this causes the valve to start closing. Conversely, when the temperature falls the sensor medium contracts and the aperture becomes larger. The size of the opening for water to flow through changes in proportion to the temperature of the sensor. The valve permits only the amount of water to flow to the radiator which is required to maintain the room temperature set on the thermostat.

Dimensions



Valve insert type N



Valve insert type S

Ordering information

Type	Thermostat thread	Closing stroke	k _{vs} -value	O.S.-No.
Valve insert type N	M30 x 1.5	11.5 mm	1.50	V200NCUB15
Valve insert type S	M30 x 1.5	11.5 mm	1.10	V200SCUB15

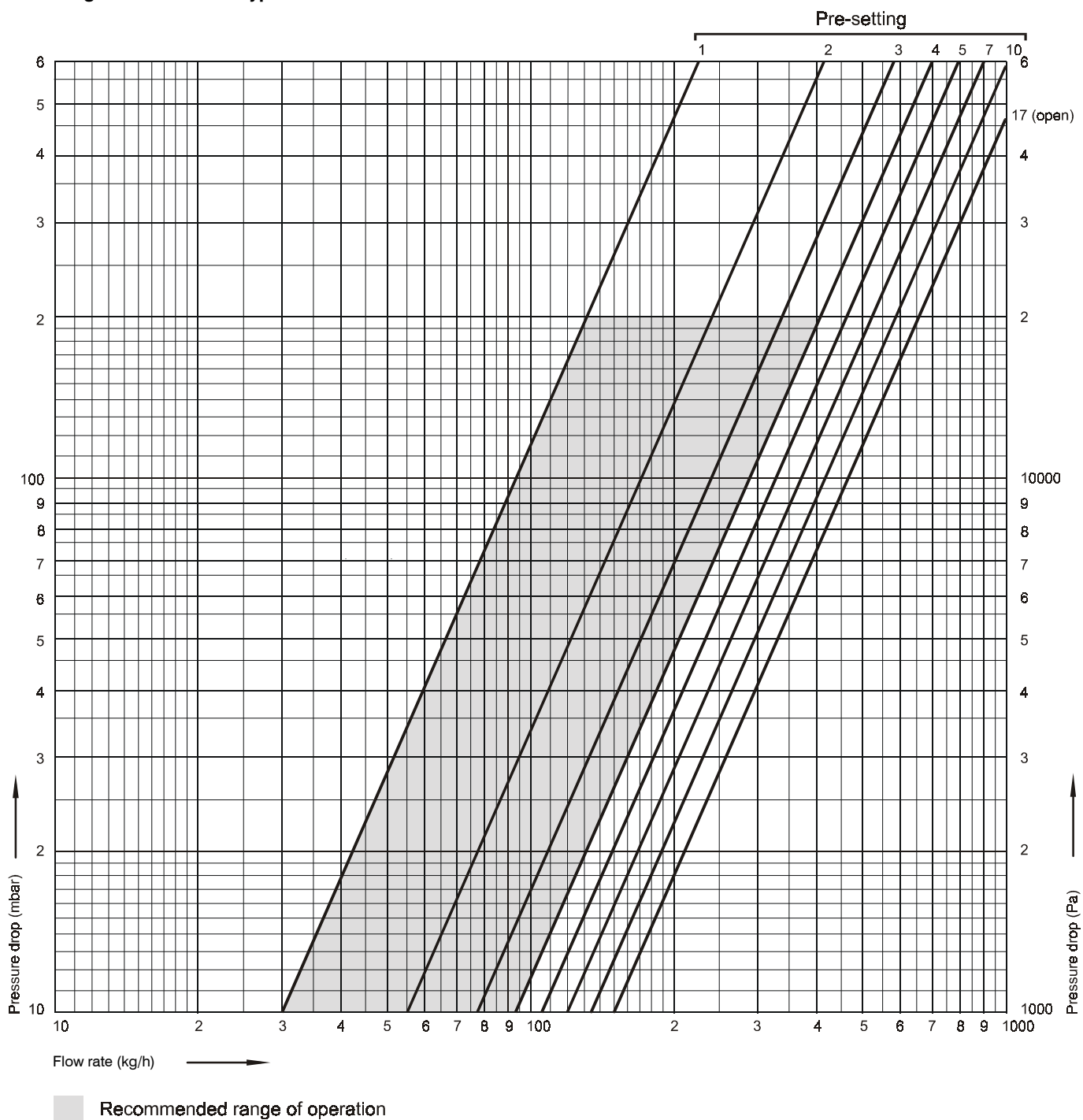
Pre-setting the valve insert

Honeywell valve inserts are supplied fully open.

- Turn black pre-setting ring as far as possible to the right.
- Mark position of screwdriver slit (=zero) with felt tip pen.
- Look up required pre-setting in flow diagram.

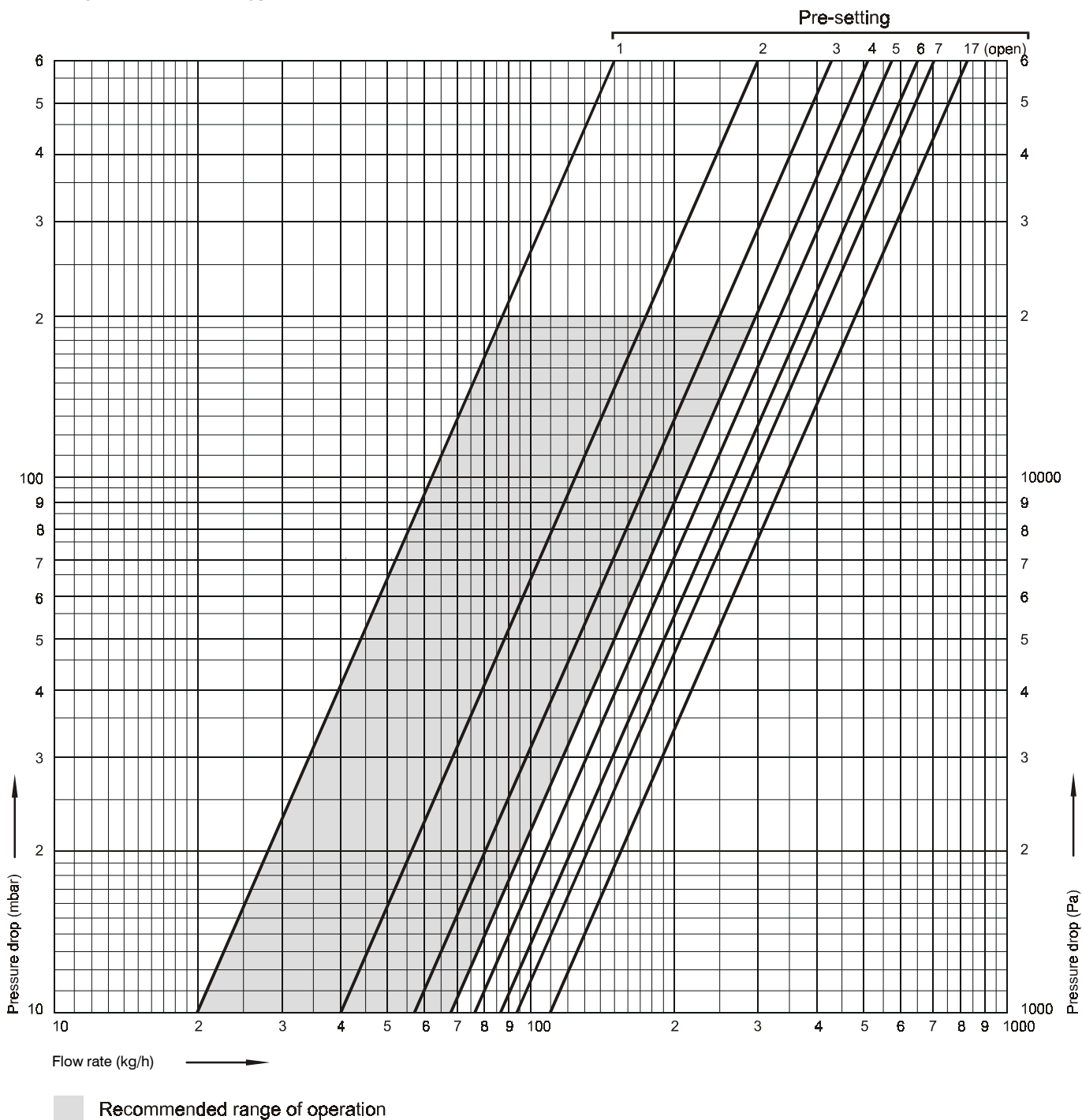
- Turn black pre-setting ring to determined pre-setting. Scale value = pre-setting. One complete revolution is equivalent to pre-setting 10.
- Now the valve is pre-set and the thermostat can be installed.

Flow diagram valve insert type N



Pre-setting	1	2	3	4	5	7	10	17 = open
k_v -value	0.30	0.55	0.77	0.93	1.05	1.20	1.33	$k_{vs} = 1.50$

Flow diagram valve insert type S



Pre-setting	1	2	3	4	5	7	10	17 = open
k_v -value	0.20	0.40	0.57	0.68	0.76	0.86	0.94	$k_{vs} = 1.10$