

Spray Water Control and Drain Valve SPV



Advantages:

- Quick change trim
- low actuating forces
- Forged body of F1 to F91
- Class VI tightness
- Drain trim option
- actuated by any common drive

Application Range:

Valves of this series feed injection water in a controlled way to the connected fittings and/or coolers. The injection water serves as a hot-steam temperature control.

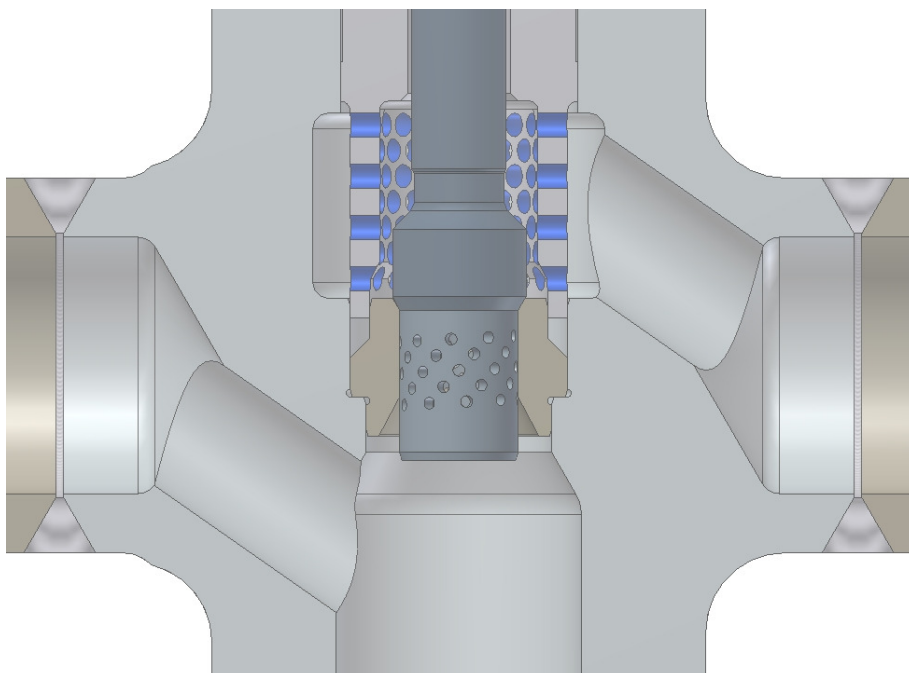
To achieve a good adaptation for each application, the injection valves are available as single stage or multistage type. However, they can be used as control or stop valves for other media.

Design and Function:

A principle of the valve design is shown in the sketch to the right (single stage valve type). In case of special applications, i.e. very high pressure difference, the valve is available as a multistage seat/cone version. The sketch below shows the design of a four-stage valve.

The stable and die-forged design of the valve casing, the wear-resistant construction of seat and cone, as well the low-friction spindle sealing which can be readjusted are features to be underlined. Together with the casing seal, also the spindle seal consists of pure graphite. Casing and seat seal form a static double sealing which is positioned in the main power connection.

Valve cone and seat are ground-in during manufacturing. During operation, these parts are protected against coarsely foreign particles by a perforated cylinder which is installed in the casing cover. To protect the unit against fine particles, we recommend you to install a particle separator upstreams.



Technical Data

Body:	angle, Z, or globe type	Connections:	butt-weld flange socket weld
Pressure rating:	up to PN 640		
Nominal diameter:	15 - 150	Materials:	all forged
Working pressure:	all commonly used pressure differences, high pressure differences with multistage valve type		In addition to the fitting types described above, the valves can be used for other media, different applications, and made of other materials
Gland packings:	re-adjustable pure graphite stem sealing,	Actuator:	pneumatic, hydraulic, electric hand wheel
Body sealing	pure graphite		

Size	I	II	III
Pressure Rating	PN 640	PN 640	PN 640
Nominal Diameter	DN 15-50	25-80	65-125
Kvs	max. 11	max. 25	max.72
Characteristics	equal percent, linear or on/off		
Seat diameter	max. 18	max. 30	max.50
Stem dia	16	24	35
Stroke	20	25	35