

Data Sheet

# Lockshield Valve Type RLV-S for Individual Shut-Off

Application



By means of a lockshield valve, type RLV-S, every radiator can be shut off individually to allow trouble-free maintenance or repair without affecting other radiators in the system.

Accessories for RLV:

- Brass handwheel: a tool which replaces the thermostat when radiators with RLV-S lockshield valves are removed

RLV-S is intended for mounting on the outlet of the radiator.

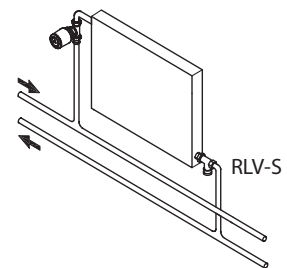
In order to avoid deposition and corrosion the composition of the hot system water must be in accordance to the VDI 2035 guide line (Verein Deutscher Ingenieure).

RLV-S lockshield valves are available in angle and straight versions with internal or external (1/2") system connection.

System

RLV-S can be preset to limit the max. water flow within the following setting area:

- RLV-S 10:  $k_{vs} = 1.5 \text{ m}^3/\text{h}$
- RLV-S 15/20:  $k_{vs} = 2.2 \text{ m}^3/\text{h}$



Factory setting is fully open valve. Dimensions correspond to DIN 3842-1.

Data and Ordering

Type	Connections ISO 7-1		Flow limitation: $k_v$ -values ( $\text{m}^3/\text{h}$ ) for number of turns										Code no.												
	Syst.	Rad.	0.25	0.5	0.75	1.0	1.5	2	2.5	3.0	3.5	4.0		$k_{vs}$											
DN 10 angle	G 3/8	R 3/8	0.15	0.30	0.45	0.55	0.75	0.90	1.00	1.15	1.25	1.35	1.50	003L0121											
DN 10 straight														003L0122											
DN 15 angle	G 1/2	R 1/2												003L0123											
DN 15 straight														003L0124											
DN 20 angle	G 3/4	R 3/4												0.20	0.40	0.60	0.80	1.05	1.25	1.40	1.55	1.70	1.80	2.20	003L0125
DN 20 straight														003L0126											
DN 15 angle	G 3/4 A	R 1/2																							003L0353
DN 15 straight															003L0354										

Max. working pressure: 10 bar, test pressure: 16 bar, max. water temperature: 120 °C.

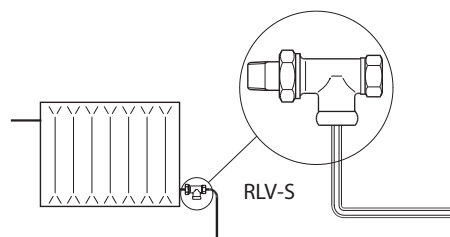
Accessory for RLV-S

Product	Code no.
Brass handwheel for temporarily replacement of the sensor	013G3300

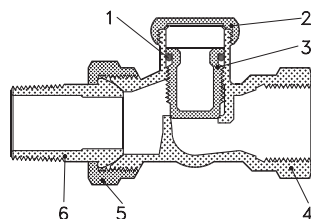
Setting and Regulation

Setting of max. water flow:

- Close the valve by means of an Allen key DN 10 = 6 mm; DN 15/20 = 8 mm.
- Regulate the water flow by opening the valve. The capacity diagrams on the opposite page show the water flow at  $\frac{1}{4}$ .
- 4 turns and for fully open valve (kvs).



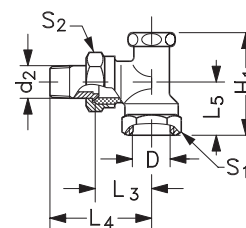
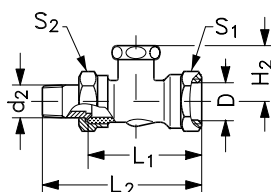
Design



- |                     |               |
|---------------------|---------------|
| 1. O-ring           | 4. Valve body |
| 2. Cover cap        | 5. Union nut  |
| 3. Shut-off spindle | 6. Nipple     |

Valve body and other metal parts	Ms 58
O-ring	EPDM

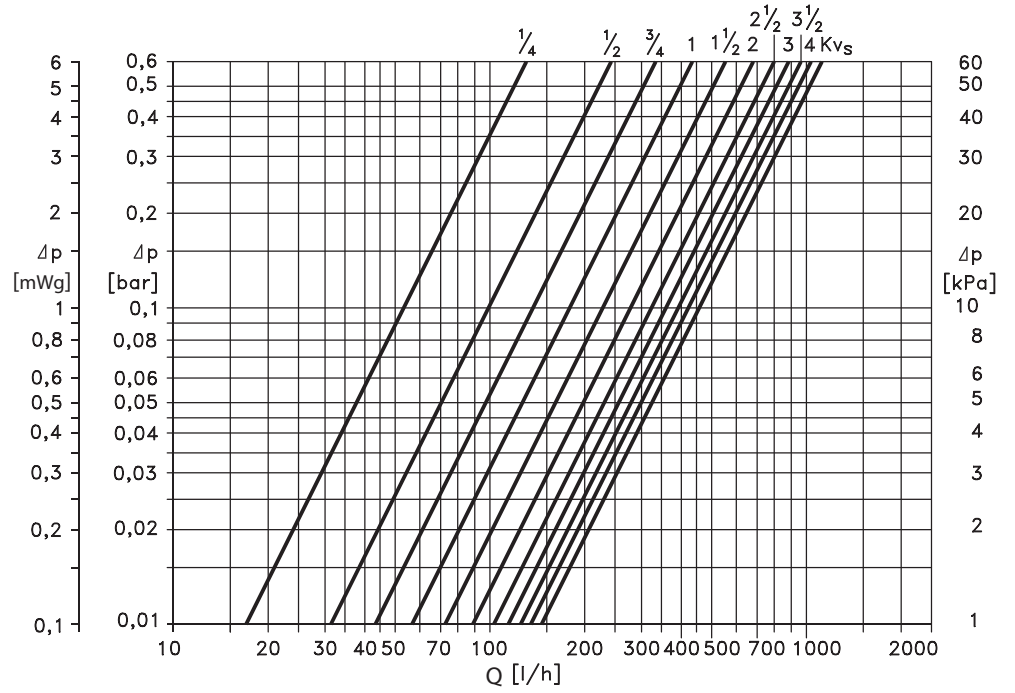
Dimensions



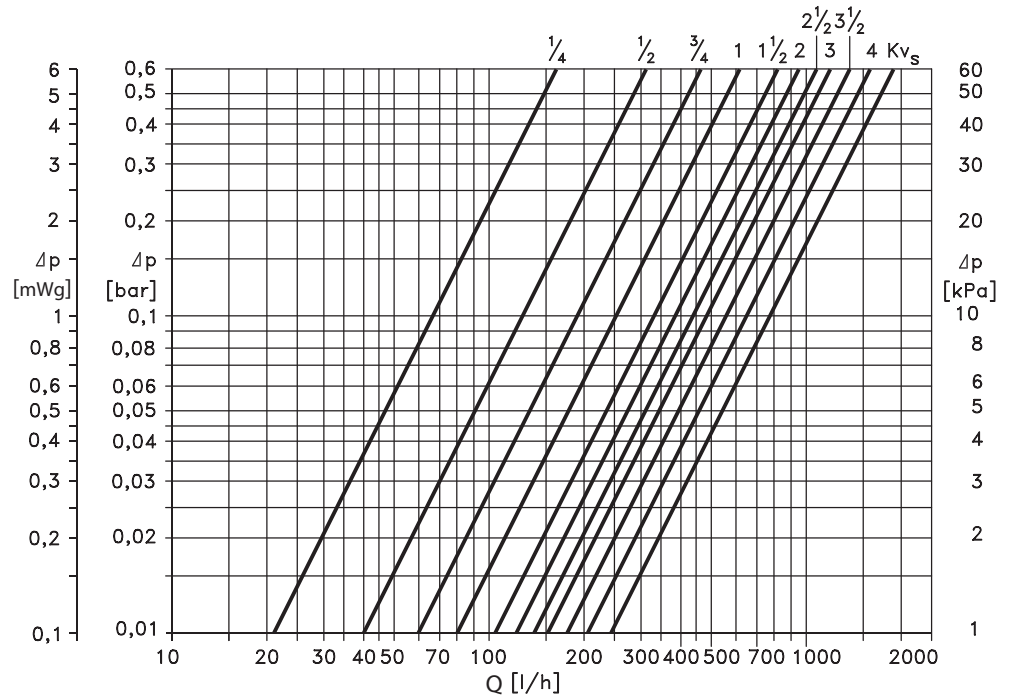
Type	D	d <sub>2</sub>	H <sub>1</sub>	H <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L <sub>5</sub>	S <sub>1</sub>	S <sub>2</sub>
RLV-S 10	G <sup>3/8</sup>	R <sup>3/8</sup>	42	26	51	75	27	51	23	22	27
RLV-S 15	G <sup>1/2</sup>	R <sup>1/2</sup>	52	28	53	80	30	57	27	27	30
RLV-S 20	G <sup>3/4</sup>	R <sup>3/4</sup>	52	28	61	92	34	65	30	32	37

Capacities

RLV-S 10



RLV-S 15/20



Danfoss A/S  
Heating Solutions  
Haarupvaenget 11  
8600 Silkeborg  
Denmark  
Phone: +45 7488 8000  
Fax: +45 7488 8100  
Email: [heating.solutions@danfoss.com](mailto:heating.solutions@danfoss.com)  
[www.heating.danfoss.com](http://www.heating.danfoss.com)

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