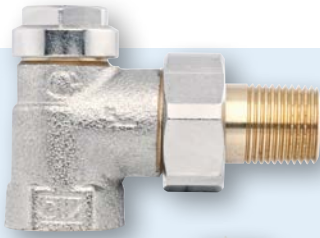


Radiator lockshield valves type 456



- Fully adjustable
- Shutting off individual radiators
- Reproducible adjustment



Application To shut off individual radiators so that maintenance work or painting can be performed without having to drain the entire heating system. Suitable for small, medium and large water volumes. For installation in single-pipe and dual-pipe heating systems.

Description Radiator lockshield valve type 456 with drain, shut-off and adjustment function. With cap (versions S, M, L) to protect against incorrect operation. Adjustable according to flow chart (see operating instructions). The selected setting is reproducible due to the integrated stroke limiter/stop (not versions M Eco, L) and thus independent of draining. The optional filling and draining unit FEV with hose connection G $\frac{1}{2}$ can be used for easy and fast draining. Draining capacity equal to flow coefficient 1.1. Versions M Eco, L without stroke limiter.

Technical specifications

System connection

See ordering table

Nominal pressure

Max. 10 bar

Nominal diameter

DN 10, DN 15, DN 20, DN 25

Operating temperature range

Medium: $T_{\max} = 120 \text{ }^{\circ}\text{C}$

Housing

Gunmetal, nickel-plated

Version BG: not nickel-plated

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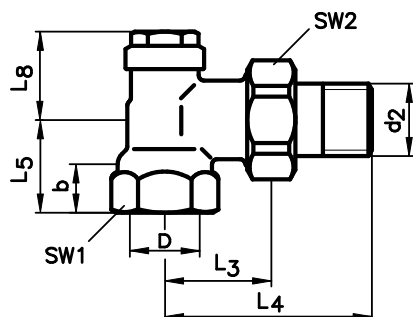
Please use valve body in flow to adjust the required water volume.

See page 245 for prices.

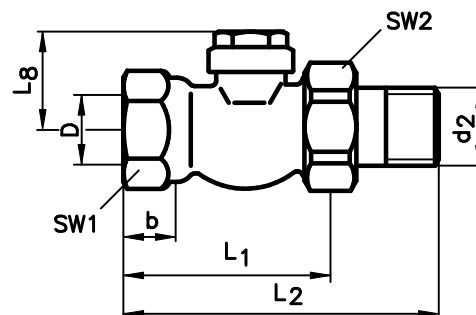
Radiator lockshield valves type 456

Types and dimensions (mm)

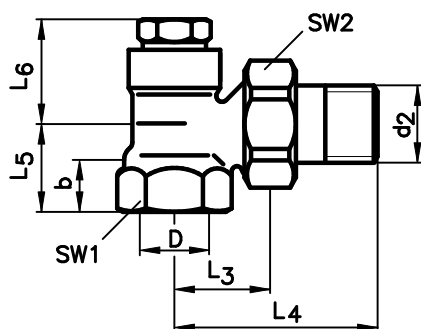
Type 456 S, M – angled



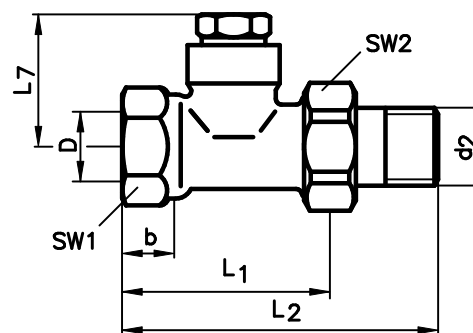
Type 456 S, M – straight



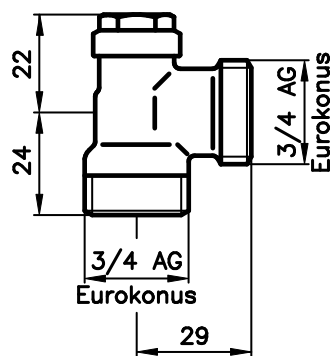
Type 456 L – angled



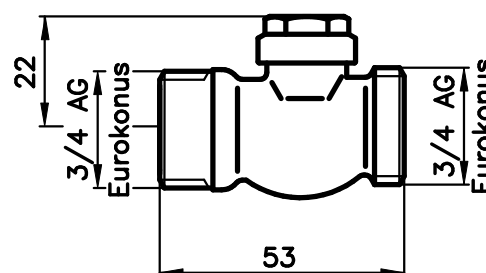
Type 456 L – straight



Type 456 S, M – angled, version BG



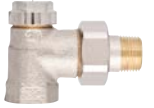


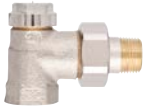

Type 456 S, M – straight, version BG



Dimensions (mm)





DN	D	d ₂	SW1	SW2	b _{min}	L ₁ ±2	L ₂ ±2	L ₃ ±1	L ₄ ±1.5	L ₅ ±1.5	L ₆	L ₇	L ₈
10	Rp ³ / ₈	R ³ / ₈	22	27	10.1	49	75	26	52	22	-	-	22
15	Rp ¹ / ₂	R ¹ / ₂	27	30	13.2	51	80	29	58	26	26.5	33.5	22
20	Rp ³ / ₄	R ³ / ₄	32	37	14.5	59	91	34	66	29	30.5	38	22
25	Rp1	R1	42	46	16.8	90	125	40	75	34	-	-	50

Radiator lockshield valves type 456

DG: V, PG: 2	Version	Nominal diameter	Connection	Flow coefficient NS* (m ³ /h)			Part no.	Price €
Type 456 S for small water volumes (fine adjustment)								
	Angled	DN 10	Rp ³ / ₈ x R ³ / ₈	0.45	1	-	453 310	
		DN 15	Rp ¹ / ₂ x R ¹ / ₂	0.45	1	-	453 320	
	Straight	DN 10	Rp ³ / ₈ x R ³ / ₈	0.45	1	-	453 360	
		DN 15	Rp ¹ / ₂ x R ¹ / ₂	0.45	1	-	453 370	
Type 456 M Eco for medium water volumes (without stroke limiter)								
	Angled	DN 10	Rp ³ / ₈ x R ³ / ₈	1.28	1	50	453 010	
		DN 15	Rp ¹ / ₂ x R ¹ / ₂	1.28	1	40	453 020	
		DN 20	Rp ³ / ₄ x R ³ / ₄	1.28	1	30	453 030	
	Straight	DN 15	Rp ¹ / ₂ x R ¹ / ₂	1.28	1	-	452 022	
		DN 10	Rp ³ / ₈ x R ³ / ₈	1.28	1	50	453 060	
		DN 15	Rp ¹ / ₂ x R ¹ / ₂	1.28	1	40	453 070	
		DN 20	Rp ³ / ₄ x R ³ / ₄	1.28	1	30	453 080	
	Version BG with G³/₄ male thread at both ends, not nickel-plated	DN 15	Rp ¹ / ₂ x R ¹ / ₂	1.28	1	-	452 072	
		DN 10	Rp ³ / ₈ x R ³ / ₈	1.28	1	50	453 060	
		DN 15	Rp ¹ / ₂ x R ¹ / ₂	1.28	1	40	453 070	
		DN 20	Rp ³ / ₄ x R ³ / ₄	1.28	1	30	453 080	
Type 456 M for medium water volumes (standard version)								
	Angled	DN 10	Rp ³ / ₈ x R ³ / ₈	1.28	1	-	453 210	
		DN 15	Rp ¹ / ₂ x R ¹ / ₂	1.28	1	-	453 220	
		DN 20	Rp ³ / ₄ x R ³ / ₄	1.28	1	-	453 230	
	Straight	DN 10	Rp ³ / ₈ x R ³ / ₈	1.28	1	-	453 260	
		DN 15	Rp ¹ / ₂ x R ¹ / ₂	1.28	1	-	453 270	
		DN 20	Rp ³ / ₄ x R ³ / ₄	1.28	1	-	453 280	
Type 456 L for large water volumes (without stroke limiter)								
	Angled	DN 15	Rp ¹ / ₂ x R ¹ / ₂	2.7	1	-	403 020	
		DN 20	Rp ³ / ₄ x R ³ / ₄	6.2	1	-	403 030	
		DN 25	Rp1 x R1	8.9	1	8	403 040	
	Straight	DN 15	Rp ¹ / ₂ x R ¹ / ₂	2.0	1	-	403 070	
		DN 20	Rp ³ / ₄ x R ³ / ₄	4.5	1	-	403 080	
		DN 25	Rp1 x R1	6.6	1	8	403 090	

* The flow coefficient corresponds to the water flow in m³/h through the valve at a given valve stroke (proportional offset, e.g. 1 K or 2 K) and a differential pressure of 1 bar. The flow coefficient NS is the flow coefficient of the valve at nominal stroke (100 % open).

Accessories for radiator lockshield valve type 456

DG: V	Version			Part no.	Price €
	Filling and draining unit FEV 01 For types 456 S and M	1	20	452 010.803	
	Filling and draining unit FEV 02 For type 456 L	1	-	402 010.803	