

Data Sheet

Lockshield Valve Type RLV-D & RLV-S

Application







RLV-D with compression fitting



RLV-S Straight



RLV-S Angle

Type RLV-D

The RLV-D is a lockshield valve designed for use in domestic heating systems and meets the requirements in BS2767-10. Fittings and valve body dimensions are identical to those of the RA-FR valve body used with the RAS-C & RAS-D radiator thermostats, allowing the installer greater freedom in terms of work flow and ease of installation. Adjustment of the lockshield for regulation and isolation is by means of a 6mm Allen key socket in the valve body which is normally covered and protected by a screw-on brass cap. RLV-D can also be used in closed comfort cooling systems, if the piping system is free of oxygen.

The push-fit fitting is suitable for 10mm copper pipes manufactured in accordance to BS 2871 part 1 / BS EN 1057: 1996 and for 10 mm polybuthelene (PB) pipes including Hep2O, Polyplumb, OsmaGold, and 10 mm cross linked

Polyethylene (PEX) pipes made in accordance to BS7291 part 1:1990 or part 3:1990. Always use plastic pipe inserts of the same brand as the pipe used.

Type RLV-S

The RLV-S is a lockshield valve designed for use in domestic heating systems and meets the requirements in BS2767-10. Fittings and valve body dimensions are identical to those of the RA-FN valve body used with RA 2000 radiator thermostats, allowing the installer greater freedom in terms of work flow and ease of installation. Adjustment of the lockshield for regulation and isolation is by means of a 6mm Allen key socket in the valve body which is normally covered and protected by a screw-on brass cap. RLV-S can also be used in closed comfort cooling systems, if the piping system is free of oxygen.

Code Nos. and Technical Data

RLV-D

Pattern	Туре	Connection	Code no.	
		Pipe	Radiator	Code no.
Angled with pushfit-elbow	RLV-D	10 mm pushfit	1/2"	003L020500
Angled with compression fitting	RLV-D	15 mm	1/2"	003L020300
	RLV-D	8/10 mm	1/2"	003L020400

Data Sheet

Lockshield Valve Type RLV-D & RLV-S

RLV-S

Pattern	Typo	Conne	Code no.	
rattem	Type Pipe Radiator RLV-S 10 3/8" 3/8" RLV-S 15 1/2" 1/2" RLV-S 15 15 mm 1/2" RLV-S 20 3/4" 3/4"	Code IIO.		
	RLV-S 10	3/8"	3/8"	003L012100
Angled	RLV-S 15	1/2"	1/2"	003L012300
	RLV-S 15	15 mm	1/2"	003L012315
	RLV-S 20	3/4"	3/4"	003L012500
Straight	RLV-S 10	3/8"	3/8"	003L012200
	RLV-S 15	1/2"	1/2"	003L012400
	RLV-S 15	15 mm	1/2"	003L012415
	RLV-S 20	3/4"	3/4"	003L012600

Features

Pipe connection	Compression fitting	RLV-D push-fit	
Maximum Working Pressure	10 bar	3 bar	
Maximum Working Temperature	120°C	92°C	
Valve Body Finish	Nickel Plated	Nickel Plated	
Gland Seal Type	'O' Ring	'O' Ring	
Supplied with LSV Cap (nickel plated brass	Yes	Yes	
Supplied with Wheelhead Cap	No	No	

Accessories

A white (RAL 9010) plastic Wheel Head and Cover Cap can be retro-fitted to the RLV-D and RLV-S valves. The Wheel Head allows manual operation of the lockshield valves. The Cover Cap provides the option of a more conventional lockshiels valve design

Wheel Head & Cover Cap for RLV-D & RLV-S

Description	Code no.
Wheel Head	003L010600
Cover Cap (50 pcs.)	003L010800

For the RLV-D push-fit version the collet cover or the collet clip provide added security against unintended pipe disconnection. Both collet covers and clips give added security, but the cover also improves the neatness of the installation.

Cover and Clip for RLV-D Push-fit

Description	Code no.
Collect Cover for push-fit connection (10 pcs.)	013G491200
Collect Clip for push-fit connection (10 pcs.)	013G491300

Drain-off tail piece for RLV-D

Description	Code no.
Drain-off tail piece	003L010500

Compression fitting for RLV-S

Description	Code no.
1/2" x 8 mm copper compression fitting	013G410800
1/2" x 10 mm copper compression fitting	013G411000
1/2" x 15 mm copper compression fitting	013G411500
3/4" x 15 mm x 2.5 mm copper compression fitting for PEX plastic pipe	013G415500
3/4" x 15 mm x 2.5 mm copper compression fitting for Alupex plastic pipe	013G418500

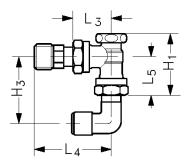
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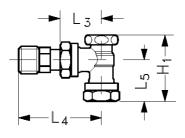


Dimensions

RLV-D with pushfit-elbow

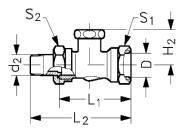


RLV-D with compression fitting

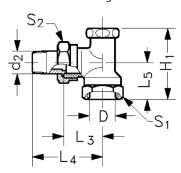


Туре	H ₁	H ₃	L ₃	L ₄	L ₅
RLV-D with pushfit-elbow	48	49-55	30	60	30
RLV-D with compression fitting	48	-	30	60	30

RLV-S straight



RLV-S angle



Туре	D	d ₂	H ₁	H ₂	L ₁	L ₂	L ₃	L_4	L ₅	S ₁	S ₂
RLV-S 10	G 3/8	R 3/8	42	26	51	75	27	51	23	22	27
RLV-S 15	G 1/2	R 1/2	52	28	53	80	30	57	27	27	30
RLV-S 20	G 3/4	R 3/4	52	28	61	92	34	65	30	32	37





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