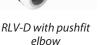


Data Sheet

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	Type	Conne	Code no.			
rattem	Туре	Connection sizes Pipe Radiator 3/8" 3/8" 1/2" 1/2" 15 mm 1/2" 3/4" 3/4" 3/8" 3/8"	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

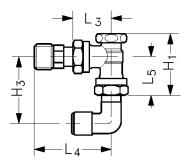
VD35E302 © Danfoss 11/2011 Danfoss Heating Solutions



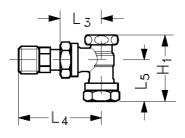


Dimensions

RLV-D with pushfit-elbow

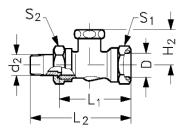


RLV-D with compression fitting

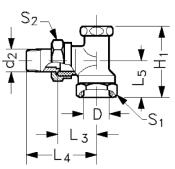


Туре	H ₁	H ₃	L ₃	L ₄	L ₅
RLV-D with pushfit-elbow	48	49-55	30	60	30
RLV-D with compression fitting	48	-	30	60	30

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





Danfoss A/S Heating Solutions Haarupvaenget 11 8600 Silkeborg Denmark Phone:+45 7488 8000 Fax: +45 7488 8100

Data Sheet

Email: heating. solutions@danfoss.com

www.heating.danfoss.com

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

4 VD35E302 © Danfoss 11/2011 Danfoss Heating Solutions