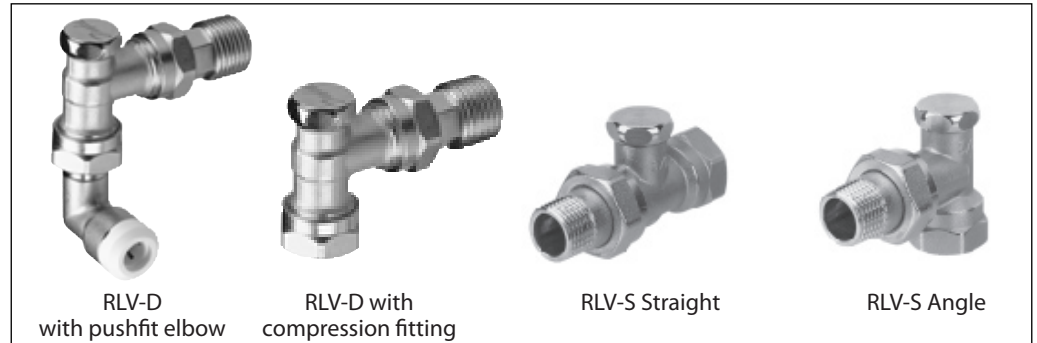


Application



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 polybutelene (PB) pipes including Hep<sub>2</sub>O, 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 numbers and technical data

RLV-D

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

RLV-S

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

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 lockshields 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 |

Dimensions

RLV-D with pushfit-elbow

RLV-D with compression fitting

| Type                           | H <sub>1</sub> | H <sub>3</sub> | L <sub>3</sub> | L <sub>4</sub> | L <sub>5</sub> |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|
| RLV-D with pushfit-elbow       | 48             | 49-55          | 30             | 60             | 30             |
| RLV-D with compression fitting | 48             | -              | 30             | 60             | 30             |

RLV-S

| 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 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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