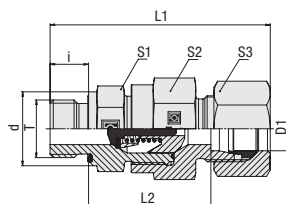
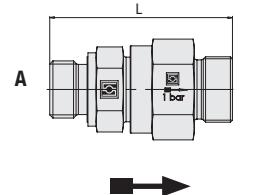


## Male Stud Check Valve Type FI-RVV-...-R-WD ■ Series L / S



Flow Direction: A > B (from Stud End)  
Standard Opening Pressure: 1 bar / 14.5 PSI



### Whitworth Parallel Pipe Thread (BSPP)

### Profile Sealing Ring

#### Ordering Codes

**\*FI-RVV\*-10\*L\*R\*-WD\*-B\*-W3\*-1\*-MS**

\* Male Stud Check Valve (Flow from Stud End) **FI-RVV**

\* Outside Tube Diameter D1 (in mm) **-10**

\* Series Light Series **L**  
Heavy Series **S**

\* Thread Type Whitworth Parallel Pipe Thread (BSPP) **R**

If required, please indicate special sizes, e.g. R1/8!

\* Seal Type Profile Sealing Ring **-WD**

\* Seal Material NBR (Buna-N®) **-B**  
FKM (Viton®) **-V**  
EPDM **-E**

\* Material Code Steel, zinc/nickel-plated **-W3**

Please contact STAUFF for alternative materials and surface finishings.

\* Opening Pressure 1 bar / 14.5 PSI **1**

Contact STAUFF for alternative opening pressures.

\* Assembling / Kitting Valve body only **—**

Valve body supplied with cutting ring and union nut **-MS**

Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

| Series | Tube OD | PN        | Dimensions |      |       |       |                 |     |      |      |      |       | Torque      | Weight       | Ordering Codes <sup>3</sup> |                       |
|--------|---------|-----------|------------|------|-------|-------|-----------------|-----|------|------|------|-------|-------------|--------------|-----------------------------|-----------------------|
|        | (mm/in) | (bar/PSI) | (mm/in)    |      |       |       |                 |     |      |      |      |       | (N-m/lb-in) | (kg/lbs) ca. |                             |                       |
|        | D1      |           | Thread     | T    | d     | L     | L1 <sup>1</sup> | L2  | i    | S1   | S2   | S3    | Thread      | T            | per 100 <sup>2</sup>        |                       |
| L      | 6       | 400       | G 1/8      | 13,9 | 51    | 59    | 36              | 8   | 22   | 27   | 14   | 18    | 11,69       |              |                             | FI-RVV-06LR-WD-B-W3-1 |
|        | .24     | 5800      |            | .55  | 2.01  | 2.32  | 1.42            | .31 | .87  | 1.06 | .55  | 13.3  | 25.71       |              |                             |                       |
|        | 8       | 400       | G 1/4      | 18,9 | 55    | 63    | 36              | 12  | 22   | 27   | 17   | 30    | 12,54       |              |                             | FI-RVV-08LR-WD-B-W3-1 |
|        | .31     | 5800      |            | .74  | 2.17  | 2.48  | 1.42            | .47 | .87  | 1.06 | .67  | 22.2  | 27.58       |              |                             |                       |
|        | 10      | 400       | G 1/4      | 18,9 | 53    | 61    | 34              | 12  | 22   | 27   | 19   | 45    | 11,40       |              |                             | FI-RVV-10LR-WD-B-W3-1 |
|        | .39     | 5800      |            | .74  | 2.09  | 2.40  | 1.34            | .47 | .87  | 1.06 | .75  | 33.3  | 25.08       |              |                             |                       |
|        | 12      | 400       | G 3/8      | 21,9 | 58    | 66    | 39              | 12  | 22   | 27   | 22   | 70    | 13,62       |              |                             | FI-RVV-12LR-WD-B-W3-1 |
|        | .47     | 5800      |            | .86  | 2.28  | 2.60  | 1.54            | .47 | .87  | 1.06 | .87  | 51.8  | 29.97       |              |                             |                       |
|        | 15      | 400       | G 1/2      | 26,9 | 60    | 68    | 41              | 14  | 27   | 32   | 27   | 90    | 19,68       |              |                             | FI-RVV-15LR-WD-B-W3-1 |
|        | .59     | 5800      |            | 1.06 | 2.36  | 2.68  | 1.61            | .55 | 1.06 | 1.26 | 1.06 | 66.6  | 43.30       |              |                             |                       |
|        | 18      | 400       | G 1/2      | 26,9 | 67    | 76    | 45,5            | 14  | 27   | 32   | 32   | 90    | 22,68       |              |                             | FI-RVV-18LR-WD-B-W3-1 |
|        | .71     | 5800      |            | 1.06 | 2.64  | 2.99  | 1.79            | .55 | 1.06 | 1.26 | 1.26 | 66.6  | 49.89       |              |                             |                       |
|        | 22      | 250       | G 3/4      | 31,9 | 77    | 86    | 53,5            | 16  | 41   | 46   | 36   | 180   | 46,49       |              |                             | FI-RVV-22LR-WD-B-W3-1 |
|        | .87     | 3625      |            | 1.26 | 3.03  | 3.39  | 2.11            | .63 | 1.61 | 1.81 | 1.42 | 133.2 | 102.28      |              |                             |                       |
|        | 28      | 250       | G 1        | 39,9 | 86    | 95    | 60,5            | 18  | 41   | 46   | 41   | 310   | 59,70       |              |                             | FI-RVV-28LR-WD-B-W3-1 |
|        | 1.10    | 3625      |            | 1.57 | 3.39  | 3.74  | 2.38            | .71 | 1.61 | 1.81 | 1.61 | 229.4 | 131.34      |              |                             |                       |
|        | 35      | 250       | G 1 1/4    | 49,9 | 97,5  | 108,5 | 67              | 20  | 60   | 70   | 50   | 450   | 132,20      |              |                             | FI-RVV-35LR-WD-B-W3-1 |
|        | 1.38    | 3625      |            | 1.96 | 3.84  | 4.27  | 2.64            | .79 | 2.36 | 2.76 | 1.97 | 333.0 | 290.84      |              |                             |                       |
|        | 42      | 250       | G 1 1/2    | 54,9 | 97,5  | 109,5 | 64,5            | 22  | 60   | 70   | 60   | 540   | 137,40      |              |                             | FI-RVV-42LR-WD-B-W3-1 |
|        | 1.65    | 3625      |            | 2.16 | 3.84  | 4.31  | 2.54            | .87 | 2.36 | 2.76 | 2.36 | 399.6 | 302.28      |              |                             |                       |
| S      | 6       | 400       | G 1/4      | 18,9 | 57    | 65    | 38              | 12  | 22   | 27   | 17   | 55    | 12,95       |              |                             | FI-RVV-06SR-WD-B-W3-1 |
|        | .24     | 5800      |            | .74  | 2.24  | 2.56  | 1.50            | .47 | .87  | 1.06 | .67  | 40.7  | 28.49       |              |                             |                       |
|        | 8       | 400       | G 1/4      | 18,9 | 55    | 63    | 36              | 12  | 22   | 27   | 19   | 55    | 12,12       |              |                             | FI-RVV-08SR-WD-B-W3-1 |
|        | .31     | 5800      |            | .74  | 2.17  | 2.48  | 1.42            | .47 | .87  | 1.06 | .75  | 40.7  | 26.66       |              |                             |                       |
|        | 10      | 400       | G 3/8      | 21,9 | 57    | 66    | 37,5            | 12  | 22   | 27   | 22   | 80    | 13,32       |              |                             | FI-RVV-10SR-WD-B-W3-1 |
|        | .39     | 5800      |            | .86  | 2.24  | 2.60  | 1.48            | .47 | .87  | 1.06 | .87  | 59.2  | 29.30       |              |                             |                       |
|        | 12      | 400       | G 3/8      | 21,9 | 59    | 68    | 39,5            | 12  | 22   | 27   | 24   | 80    | 14,64       |              |                             | FI-RVV-12SR-WD-B-W3-1 |
|        | .47     | 5800      |            | .86  | 2.32  | 2.68  | 1.56            | .47 | .87  | 1.06 | .94  | 59.2  | 32.21       |              |                             |                       |
|        | 14      | 400       | G 1/2      | 26,9 | 64    | 74    | 42              | 14  | 27   | 32   | 27   | 115   | 20,26       |              |                             | FI-RVV-14SR-WD-B-W3-1 |
|        | .55     | 5800      |            | 1.06 | 2.52  | 2.91  | 1.65            | .55 | 1.06 | 1.26 | 1.06 | 85.1  | 44.57       |              |                             |                       |
|        | 16      | 400       | G 1/2      | 26,9 | 67    | 77    | 44,5            | 14  | 27   | 32   | 30   | 115   | 21,59       |              |                             | FI-RVV-16SR-WD-B-W3-1 |
|        | .63     | 5800      |            | 1.06 | 2.64  | 3.03  | 1.75            | .55 | 1.06 | 1.26 | 1.18 | 85.1  | 47.50       |              |                             |                       |
|        | 20      | 400       | G 3/4      | 31,9 | 79    | 90    | 52,5            | 16  | 41   | 46   | 36   | 180   | 50,90       |              |                             | FI-RVV-20SR-WD-B-W3-1 |
|        | .79     | 5800      |            | 1.26 | 3.11  | 3.54  | 2.07            | .63 | 1.61 | 1.81 | 1.42 | 133.2 | 111.98      |              |                             |                       |
|        | 25      | 250       | G 1        | 39,9 | 83    | 95    | 53              | 18  | 41   | 46   | 46   | 310   | 53,10       |              |                             | FI-RVV-25SR-WD-B-W3-1 |
|        | .98     | 3625      |            | 1.57 | 3.27  | 3.74  | 2.09            | .71 | 1.61 | 1.81 | 1.81 | 229.4 | 116.82      |              |                             |                       |
|        | 30      | 250       | G 1 1/4    | 49,9 | 94    | 107   | 60,5            | 20  | 50   | 55   | 50   | 450   | 86,00       |              |                             | FI-RVV-30SR-WD-B-W3-1 |
|        | 1.18    | 3625      |            | 1.96 | 3.70  | 4.21  | 2.38            | .79 | 1.97 | 2.17 | 1.97 | 333.0 | 189.20      |              |                             |                       |
|        | 38      | 250       | G 1 1/2    | 54,9 | 103,5 | 118,5 | 65,5            | 22  | 60   | 70   | 60   | 540   | 143,70      |              |                             | FI-RVV-38SR-WD-B-W3-1 |
|        | 1.50    | 3625      |            | 2.16 | 4.07  | 4.67  | 2.58            | .87 | 2.36 | 2.76 | 2.36 | 399.6 | 316.14      |              |                             |                       |

<sup>1</sup> Approximate dimension in assembled condition.

<sup>2</sup> Weight excluding cutting ring and union nut.

<sup>3</sup> Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 1179-2 (Type E)

Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.

Please contact STAUFF prior to the assembly for further information.

#### Connecting Parts



Cutting Ring  
Type **FI-DS** Page 26



Soft-Sealing Cutting Ring  
Type **FI-WDDS** Page 27



Support Sleeve  
Type **FI-VH** Page 28



STAUFF Form Ring  
Type **FI-AR** Page 30



Union Nut  
Type **FI-M** Page 31



37° Flared Tube Fitting Set  
Type **FI-AB** Page 35

#### Spare Parts / Accessories



Profile Sealing Ring  
Type **WDG** Page 206

