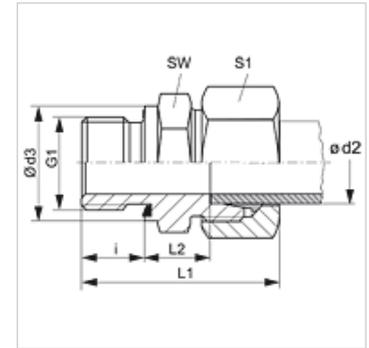


### Properties

|                        |  |
|------------------------|--|
| <b>Connection 1</b>    | BSP external thread, cylindrical       |
| <b>Sealing form 1</b>  | Shape E                                |
| <b>Connection 2</b>    | metric cylindrical outer thread        |
| <b>Sealing form 2</b>  | 24° inner cone                         |
| <b>Design</b>          | Screw-in fitting                       |
| <b>Construction</b>    | straight                               |
| <b>Standard</b>        | DIN 2353<br>ISO 8434-1                 |
| <b>Scope of supply</b> | Socket with union nut and cutting ring |
| <b>Material</b>        | Stainless steel                        |



### Note

Information about fitting, installation, pressure loads and permissible operating temperatures can be found in the technical information for pipe fittings.

### Ordering information

Seals of NBR  
FPM (Viton) on request

| Item                    | Series | Operating pressure | Ø d2 (mm) | G1           | Ø d3 (mm) | i (mm) | L1 (mm) | L2 (mm) | AF (mm) | S1 |
|-------------------------|--------|--------------------|-----------|--------------|-----------|--------|---------|---------|---------|----|
| VR NW 04 HL ED VA       | L      | PN 315             | 6         | G 1/8" -28   | 14,0      | 8      | 31,0    | 8,5     | 14      | 14 |
| VR NW 04 HL 1/4 ED VA   | L      | PN 315             | 6         | G 1/4" -19   | 18,7      | 12     | 39,0    | 10,0    | 19      | 14 |
| VR NW 04 HL 3/8 ED VA   | L      | PN 315             | 6         | G 3/8" -19   | 22,0      | 12     | 39,0    | 11,5    | 22      | 14 |
| VR NW 04 HL 1/2 ED VA   | L      | PN 315             | 6         | G 1/2" -14   | 27,0      | 14     | 43,0    | 12,0    | 27      | 14 |
| VR NW 06 HL 1/8 ED VA   | L      | PN 315             | 8         | G 1/8" -28   | 14,0      | 8      | 34,0    | 9,5     | 14      | 17 |
| VR NW 06 HL ED VA       | L      | PN 315             | 8         | G 1/4" -19   | 18,7      | 12     | 37,0    | 10,0    | 19      | 17 |
| VR NW 06 HL 3/8 ED VA   | L      | PN 315             | 8         | G 3/8" -19   | 22,0      | 12     | 40,5    | 11,5    | 22      | 17 |
| VR NW 06 HL 1/2 ED VA   | L      | PN 315             | 8         | G 1/2" -14   | 27,0      | 14     | 42,5    | 12,0    | 27      | 14 |
| VR NW 08 HL 1/8 ED VA   | L      | PN 315             | 10        | G 1/8" -28   | 14,0      | 8      | 35,5    | 10,5    | 17      | 19 |
| VR NW 08 HL ED VA       | L      | PN 315             | 10        | G 1/4" -19   | 18,7      | 12     | 38,0    | 11,0    | 19      | 19 |
| VR NW 08 HL 3/8 ED VA   | L      | PN 315             | 10        | G 3/8" -19   | 22,0      | 12     | 42,5    | 12,5    | 22      | 19 |
| VR NW 08 HL 1/2 ED VA   | L      | PN 315             | 10        | G 1/2" -14   | 26,7      | 14     | 46,5    | 13,0    | 27      | 19 |
| VR NW 08 HL 3/4 ED VA   | L      | PN 315             | 10        | G 3/4" -14   | 32,0      | 16     | 44,0    | 14,0    | 32      | 19 |
| VR NW 10 HL 1/8 ED VA   | L      | PN 315             | 12        | G 1/8" -28   | 14,0      | 8      | 37,0    | 11,0    | 19      | 22 |
| VR NW 10 HL 1/4 ED VA   | L      | PN 315             | 12        | G 1/4" -19   | 18,7      | 12     | 42,0    | 12,5    | 22      | 22 |
| VR NW 10 HL ED VA       | L      | PN 315             | 12        | G 3/8" -19   | 22,0      | 12     | 39,0    | 12,5    | 22      | 22 |
| VR NW 10 HL 1/2 ED VA   | L      | PN 315             | 12        | G 1/2" -14   | 26,7      | 14     | 45,0    | 13,0    | 27      | 22 |
| VR NW 10 HL 3/4 ED VA   | L      | PN 160             | 12        | G 3/4" -14   | 32,0      | 16     | 47,0    | 14,0    | 32      | 22 |
| VR NW 13 HL 1/4 ED VA   | L      | PN 315             | 15        | G 1/4" -19   | 19,0      | 12     | 44,0    | 13,0    | 24      | 27 |
| VR NW 13 HL 3/8 ED VA   | L      | PN 315             | 15        | G 3/8" -19   | 22,0      | 12     | 43,0    | 13,6    | 27      | 27 |
| VR NW 13 HL ED VA       | L      | PN 315             | 15        | G 1/2" -14   | 26,7      | 14     | 43,0    | 14,0    | 27      | 27 |
| VR NW 13 HL 3/4 ED VA   | L      | PN 315             | 15        | G 3/4" -14   | 32,0      | 16     | 48,5    | 15,0    | 32      | 27 |
| VR NW 16 HL 3/8 ED VA   | L      | PN 315             | 18        | G 3/8" -19   | 22,0      | 12     | 45,0    | 14,0    | 27      | 32 |
| VR NW 16 HL ED VA       | L      | PN 315             | 18        | G 1/2" -14   | 26,7      | 14     | 45,0    | 14,5    | 27      | 32 |
| VR NW 16 HL 3/4 ED VA   | L      | PN 315             | 18        | G 3/4" -14   | 32,0      | 16     | 50,0    | 14,5    | 32      | 32 |
| VR NW 16 HL 1 ED VA     | L      | PN 315             | 18        | G 1" -11     | 40,0      | 18     | 52,0    | 16,5    | 41      | 32 |
| VR NW 20 HL 3/8 ED VA   | L      | PN 160             | 22        | G 3/8" -19   | 22,0      | 12     | 61,0    | 16,0    | 32      | 36 |
| VR NW 20 HL 1/2 ED VA   | L      | PN 315             | 22        | G 1/2" -14   | 27,0      | 14     | 51,0    | 16,5    | 32      | 36 |
| VR NW 20 HL ED VA       | L      | PN 160             | 22        | G 3/4" -14   | 32,0      | 16     | 49,0    | 16,5    | 32      | 36 |
| VR NW 20 HL 1 ED VA     | L      | PN 160             | 22        | G 1" -11     | 40,0      | 18     | 56,0    | 17,5    | 41      | 36 |
| VR NW 20 HL 1 1/4 ED VA | L      | PN 160             | 22        | G 1.1/4" -11 | 50,0      | 20     | 54,0    | 17,5    | 50      | 36 |
| VR NW 25 HL 1/2 ED VA   | L      | PN 160             | 28        | G 1/2" -14   | 27,0      | 14     | 47,0    | 17,5    | 41      | 41 |
| VR NW 25 HL 3/4 ED VA   | L      | PN 160             | 28        | G 3/4" -14   | 32,0      | 16     | 54,0    | 17,5    | 41      | 41 |
| VR NW 25 HL ED VA       | L      | PN 160             | 28        | G 1" -11     | 39,7      | 18     | 52,0    | 17,5    | 41      | 41 |
| VR NW 25 HL 1 1/4 ED VA | L      | PN 160             | 28        | G 1.1/4" -11 | 50,0      | 20     | 55,0    | 18,5    | 50      | 41 |
| VR NW 32 HL 1/2 ED VA   | L      | PN 160             | 35        | G 1/2" -14   | 27,0      | 14     | 51,0    | 17,5    | 46      | 50 |
| VR NW 32 HL 3/4 ED VA   | L      | PN 160             | 35        | G 3/4" -14   | 27,0      | 16     | 54,0    | 18,5    | 46      | 50 |
| VR NW 32 HL 1 ED VA     | L      | PN 160             | 35        | G 1" -11     | 40,0      | 18     | 60,0    | 17,5    | 46      | 50 |



| Item                    |        |                    |           |              |           |        |         |         |         |    |  |
|-------------------------|--------|--------------------|-----------|--------------|-----------|--------|---------|---------|---------|----|--|
| Identification          | Series | Operating pressure | Ø d2 (mm) | G1           | Ø d3 (mm) | i (mm) | L1 (mm) | L2 (mm) | AF (mm) | S1 |  |
| VR NW 32 HL ED VA       | L      | PN 160             | 35        | G 1.1/4" -11 | 49,7      | 20     | 59,0    | 17,5    | 50      | 50 |  |
| VR NW 32 HL 1 1/2 ED VA | L      | PN 160             | 35        | G 1.1/2" -11 | 55,0      | 22     | 66,0    | 19,5    | 55      | 50 |  |
| VR NW 40 HL 1 ED VA     | L      | PN 160             | 42        | G 1" -11     | 40,0      | 18     | 65,0    | 19,0    | 55      | 60 |  |
| VR NW 40 HL ED VA       | L      | PN 160             | 42        | G 1.1/2" -11 | 55,0      | 22     | 69,0    | 19,0    | 55      | 60 |  |
| VR NW 40 HL 1 1/4 ED VA | L      | PN 160             | 42        | G 1.1/4" -11 | 50,0      | 20     | 67,0    | 19,0    | 55      | 60 |  |
| VR NW 03 HS 1/8 ED VA   | S      | PN 630             | 6         | G 1/8" -28   | 14,0      | 8      | 36,0    | 13,0    | 14      | 17 |  |
| VR NW 03 HS ED VA       | S      | PN 630             | 6         | G 1/4" -19   | 18,7      | 12     | 40,0    | 13,0    | 19      | 17 |  |
| VR NW 03 HS 3/8 ED VA   | S      | PN 630             | 6         | G 3/8" -19   | 22,0      | 12     | 42,0    | 15,5    | 22      | 17 |  |
| VR NW 03 HS 1/2 ED VA   | S      | PN 630             | 6         | G 1/2" -14   | 27,0      | 14     | 48,0    | 18,0    | 27      | 17 |  |
| VR NW 03 HS 3/4 ED VA   | S      | PN 630             | 6         | G 3/4" -14   | 31,9      | 16     | 45,0    | 15,0    | 32      | 17 |  |
| VR NW 04 HS 1/8 ED VA   | S      | PN 630             | 8         | G 1/8" -28   | 14,0      | 8      | 38,0    | 14,0    | 17      | 19 |  |
| VR NW 04 HS ED VA       | S      | PN 630             | 8         | G 1/4" -19   | 18,7      | 12     | 42,0    | 15,0    | 19      | 19 |  |
| VR NW 04 HS 3/8 ED VA   | S      | PN 630             | 8         | G 3/8" -19   | 22,0      | 12     | 42,5    | 15,5    | 22      | 19 |  |
| VR NW 04 HS 1/2 ED VA   | S      | PN 630             | 8         | G 1/2" -14   | 27,0      | 14     | 47,0    | 15,0    | 27      | 19 |  |
| VR NW 06 HS 1/8 ED VA   | S      | PN 630             | 10        | G 1/8" -28   | 14,0      | 8      | 38,5    | 13,5    | 19      | 22 |  |
| VR NW 06 HS 1/4 ED VA   | S      | PN 630             | 10        | G 1/4" -19   | 18,7      | 12     | 42,5    | 14,5    | 22      | 22 |  |
| VR NW 06 HS ED VA       | S      | PN 630             | 10        | G 3/8" -19   | 22,0      | 12     | 43,0    | 15,0    | 22      | 22 |  |
| VR NW 06 HS 1/2 ED VA   | S      | PN 630             | 10        | G 1/2" -14   | 26,7      | 14     | 47,0    | 17,5    | 27      | 22 |  |
| VR NW 06 HS 3/4 ED VA   | S      | PN 630             | 10        | G 3/4" -14   | 31,9      | 16     | 47,0    | 14,5    | 32      | 22 |  |
| VR NW 08 HS 1/4 ED VA   | S      | PN 630             | 12        | G 1/4" -19   | 19,0      | 12     | 45,0    | 16,5    | 22      | 24 |  |
| VR NW 08 HS ED VA       | S      | PN 630             | 12        | G 3/8" -19   | 22,0      | 12     | 45,0    | 17,0    | 22      | 24 |  |
| VR NW 08 HS 1/2 ED VA   | S      | PN 630             | 12        | G 1/2" -14   | 27,0      | 14     | 47,5    | 17,5    | 27      | 24 |  |
| VR NW 08 HS 3/4 ED VA   | S      | PN 630             | 12        | G 3/4" -14   | 32,0      | 16     | 52,0    | 17,5    | 32      | 24 |  |
| VR NW 10 HS 1/4 ED VA   | S      | PN 630             | 14        | G 1/4" -19   | 19,0      | 12     | 46,0    | 16,0    | 24      | 27 |  |
| VR NW 10 HS 3/8 ED VA   | S      | PN 630             | 14        | G 3/8" -19   | 22,0      | 12     | 48,0    | 18,5    | 24      | 27 |  |
| VR NW 10 HS ED VA       | S      | PN 630             | 14        | G 1/2" -14   | 26,7      | 14     | 51,0    | 19,0    | 27      | 27 |  |
| VR NW 10 HS 3/4 ED VA   | S      | PN 630             | 14        | G 3/4" -14   | 32,0      | 16     | 55,0    | 21,0    | 32      | 27 |  |
| VR NW 10 HS 1 ED VA     | S      | PN 630             | 14        | G 1" -11     | 40,0      | 18     | 59,0    | 23,0    | 41      | 24 |  |
| VR NW 13 HS 1/4 ED VA   | S      | PN 400             | 16        | G 1/4" -19   | 19,0      | 12     | 50,0    | 17,5    | 27      | 30 |  |
| VR NW 13 HS 3/8 ED VA   | S      | PN 400             | 16        | G 3/8" -19   | 22,0      | 12     | 47,0    | 18,0    | 27      | 30 |  |
| VR NW 13 HS ED VA       | S      | PN 400             | 16        | G 1/2" -14   | 26,7      | 14     | 51,0    | 18,5    | 27      | 30 |  |
| VR NW 13 HS 3/4 ED VA   | S      | PN 400             | 16        | G 3/4" -14   | 32,0      | 16     | 55,0    | 20,5    | 32      | 30 |  |
| VR NW 13 HS 1 ED VA     | S      | PN 400             | 16        | G 1" -11     | 40,0      | 18     | 59,0    | 22,5    | 41      | 30 |  |
| VR NW 16 HS 3/8 ED VA   | S      | PN 400             | 20        | G 3/8" -19   | 22,0      | 12     | -       | 18,0    | 32      | 36 |  |
| VR NW 16 HS 1/2 ED VA   | S      | PN 400             | 20        | G 1/2" -14   | 27,0      | 14     | 56,0    | 20,5    | 32      | 36 |  |
| VR NW 16 HS ED VA       | S      | PN 400             | 20        | G 3/4" -14   | 32,0      | 16     | 58,0    | 20,5    | 32      | 36 |  |
| VR NW 16 HS 1 ED VA     | S      | PN 400             | 20        | G 1" -11     | 39,7      | 18     | 62,0    | 20,5    | 41      | 36 |  |
| VR NW 16 HS 1 1/4 ED VA | S      | PN 400             | 20        | G 1.1/4" -11 | 50,0      | 20     | 64,0    | 22,5    | 50      | 36 |  |
| VR NW 16 HS 1 1/2 ED VA | S      | PN 400             | 20        | G 1.1/2" -11 | 55,0      | 22     | 69,0    | 25,5    | 55      | 36 |  |
| VR NW 20 HS 1/2 ED VA   | S      | PN 400             | 25        | G 1/2" -14   | 27,0      | 14     | 61,0    | 23,0    | 41      | 46 |  |
| VR NW 20 HS 3/4 ED VA   | S      | PN 400             | 25        | G 3/4" -14   | 32,0      | 16     | 63,0    | 23,0    | 41      | 46 |  |
| VR NW 20 HS ED VA       | S      | PN 400             | 25        | G 1" -11     | 39,7      | 18     | 65,0    | 23,0    | 41      | 46 |  |
| VR NW 20 HS 1 1/4 ED VA | S      | PN 400             | 25        | G 1.1/4" -11 | 50,0      | 18     | 65,0    | 23,0    | 50      | 46 |  |
| VR NW 20 HS 1 1/2 ED VA | S      | PN 400             | 25        | G 1.1/2" -11 | 55,0      | 22     | 72,0    | 26,0    | 55      | 46 |  |
| VR NW 25 HS 3/4 ED VA   | S      | PN 400             | 30        | G 3/4" -14   | 32,0      | 16     | -       | 25,5    | 46      | 50 |  |
| VR NW 25 HS 1 ED VA     | S      | PN 400             | 30        | G 1" -11     | 40,0      | 18     | 68,0    | 23,5    | 46      | 50 |  |
| VR NW 25 HS ED VA       | S      | PN 400             | 30        | G 1.1/4" -11 | 49,7      | 20     | 70,0    | 23,5    | 50      | 50 |  |
| VR NW 25 HS 1 1/2 ED VA | S      | PN 400             | 30        | G 1.1/2" -11 | 55,0      | 22     | 75,0    | 23,5    | 55      | 50 |  |
| VR NW 32 HS 1 ED VA     | S      | PN 315             | 38        | G 1" -11     | 40,0      | 18     | 60,0    | 26,0    | 46      | 50 |  |
| VR NW 32 HS 1 1/4 ED VA | S      | PN 315             | 38        | G 1.1/4" -11 | 50,0      | 20     | 74,0    | 26,0    | 55      | 60 |  |
| VR NW 32 HS ED VA       | S      | PN 315             | 38        | G 1.1/2" -11 | 55,0      | 22     | 79,0    | 26,0    | 55      | 60 |  |

Series: LL = Very light L = Light S = Heavy - PN = Nominal pressure PB = Max. operating pressure - Ø d2 = External pipe diameter

## Product versions

|           |                                   |
|-----------|-----------------------------------|
| VR ED     | Screw-in fitting, Steel           |
| VR ED MG  | Screw in fitting, Brass           |
| XVR ED VA | Screw-in fitting, Stainless steel |

## Spare parts

|      |                           |
|------|---------------------------|
| WD V | Soft seal for ED fittings |
|------|---------------------------|