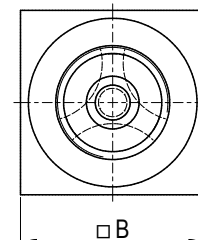
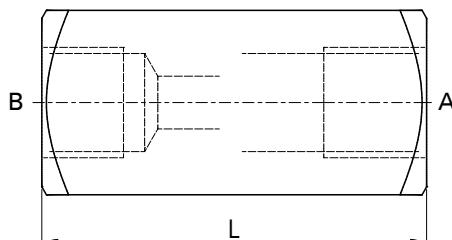
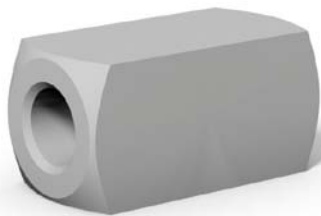


# Check valve for piping-system assembly Steel / Stainless steel

RV



## AVAILABLE SIZES

DN6 - DN40 (1/8" to 2")

## CONNECTIONS

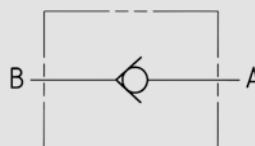
DIN ISO 228 Female thread,  
ANSI B1.20.1 NPT Female thread,  
SAE J 514 ISO/DIS 11926-1 Female thread

## MATERIAL CODE DESCRIPTION

| Materials         | 1             | 4               |
|-------------------|---------------|-----------------|
| Body              | Steel         | Stainless Steel |
| Tmin / Tmax       | -20°C / 100°C | -40°C / 100°C   |
| Cracking pressure | 0,5 bar*      | 0,5 bar*        |

\*Option: Cracking pressure PÖ 4,5 bar

## PORTING PATTERN



## GENERAL DIMENSIONS

| Type    | B  |
|---------|----|
| RV-DN6  | 16 |
| RV-DN8  | 25 |
| RV-DN10 | 30 |
| RV-DN12 | 35 |
| RV-DN16 | 45 |
| RV-DN20 | 50 |
| RV-DN25 | 60 |
| RV-DN30 | 70 |
| RV-DN40 | 90 |

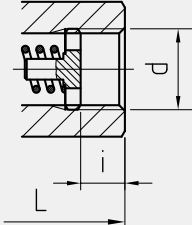
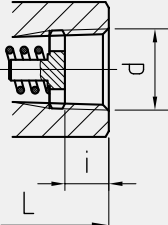
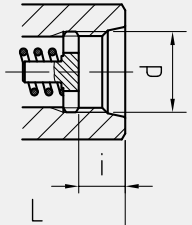


**Due to spring and manufacturing tolerances  
cracking pressures may deviate by  $\pm 30\%$ .**

# Check valve for piping-system assembly

## Steel / Stainless steel

RV

| CONNECTION TYPE                                                                     | DIMENSIONS         |       |      |               |             | ORDER CODE PER MATERIAL COMBINATION |        |          |       |
|-------------------------------------------------------------------------------------|--------------------|-------|------|---------------|-------------|-------------------------------------|--------|----------|-------|
| DIN ISO 228 FEMALE THREAD                                                           | Type               | L     | i    | d             | Weight [Kg] | PN [bar]                            | 1      | PN [bar] | 4     |
|    | RV-DN6-G1/8        | 45    | 9,5  | G1/8          | 0,10        | 500                                 | 18680* | 350      | 35030 |
|                                                                                     | RV-DN8-G1/4        | 55    | 13,5 | G1/4          | 0,20        | 500                                 | 18646* | 350      | 33963 |
|                                                                                     | RV-DN10-G3/8       | 65    | 13,5 | G3/8          | 0,40        | 500                                 | 18681* | 350      | 33962 |
|                                                                                     | RV-DN12-G1/2       | 73    | 15,5 | G1/2          | 0,70        | 500                                 | 18682* | 350      | 24828 |
|                                                                                     | RV-DN16-G3/4       | 88    | 17,5 | G3/4          | 1,20        | 500                                 | 18683* | 350      | 18321 |
|                                                                                     | RV-DN20-G1         | 127   | 19,5 | G1            | 2,00        | 500                                 | 18684* | 350      | 28592 |
|                                                                                     | RV-DN25-G1 1/4     | 143   | 21,5 | G1 1/4        | 3,30        | 400                                 | 18685* | 350      | 25355 |
|                                                                                     | RV-DN30-G1 1/2     | 143   | 23,5 | G1 1/2        | 4,20        | 350                                 | 18687* | 350      | 20786 |
|                                                                                     | RV-DN40-G2         | 165   | 25,5 | G2            | 7,20        | 350                                 | 18689* | 350      | 31615 |
| ANSI B1.20.1 NPT FEMALE THREAD                                                      | Type               | L     | i    | d             | Weight [Kg] | PN [bar]                            | 1      | PN [bar] | 4     |
|   | RV-DN6-1/8"NPT     | 45    | 9    | 1/8"NPT       | 0,10        | 500                                 | 31006* | 350      | 37753 |
|                                                                                     | RV-DN8-1/4"NPT     | 55    | 12   | 1/4"NPT       | 0,20        | 500                                 | 26450* | 350      | 29423 |
|                                                                                     | RV-DN10-3/8"NPT    | 65    | 12   | 3/8"NPT       | 0,40        | 500                                 | 24442* | 350      | 37754 |
|                                                                                     | RV-DN12-1/2"NPT    | 73    | 14   | 1/2"NPT       | 0,60        | 500                                 | 30367* | 350      | 31407 |
|                                                                                     | RV-DN16-3/4"NPT    | 88    | 16   | 3/4"NPT       | 1,20        | 500                                 | 30640* | 350      | 31408 |
|                                                                                     | RV-DN20-1"NPT      | 127   | 19,5 | 1"NPT         | 2,00        | 500                                 | 26489  | 350      | 29909 |
|                                                                                     | RV-DN25-1 1/4"NPT  | 143   | 21   | 1 1/4"NPT     | 3,00        | 400                                 | 26520  | 350      | 37755 |
|                                                                                     | RV-DN30-1 1/2"NPT  | 143   | 24   | 1 1/2"NPT     | 4,20        | 350                                 | 26540  | 350      | 29524 |
|                                                                                     | RV-DN40-2"NPT      | 165   | 25,5 | 2"NPT         | 8,00        | 350                                 | 25554  | 350      | 37756 |
| SAE J514/ISO/DIS11926-1 FEMALE THREAD                                               | Type               | L     | i    | d             | Weight [Kg] | PN [bar]                            | 1      | PN [bar] | 4     |
|  | RV-DN8-7/16"UNF    | 54,5  | 13   | 7/16"-20 UNF  | 0,20        | 500                                 | 26451  | 350      | 37757 |
|                                                                                     | RV-DN10-9/16"UNF   | 65    | 13,5 | 9/16"-18 UNF  | 0,40        | 500                                 | 26459  | 350      | 37758 |
|                                                                                     | RV-DN12-3/4"UNF    | 73    | 15,5 | 3/4"-16 UNF   | 0,60        | 500                                 | 26465  | 350      | 37759 |
|                                                                                     | RV-DN16-1 1/16"UNF | 97,5  | 20   | 1 1/16"-12 UN | 1,20        | 500                                 | 26479  | 350      | 37760 |
|                                                                                     | RV-DN20-1 5/16"UN  | 127,5 | 20   | 1 5/16"-12 UN | 1,90        | 500                                 | 26490  | 350      | 37761 |
|                                                                                     | RV-DN25-1 5/8"UN   | 141,5 | 20   | 1 5/8"-12 UN  | 3,00        | 400                                 | 26522  | 350      | 37762 |
|                                                                                     | RV-DN30-1 7/8"UN   | 139,5 | 20   | 1 7/8"-12 UN  | 3,90        | 350                                 | 26541  | 350      | 37763 |
|                                                                                     | RV-DN40-2 1/2"UN   | 165   | 20   | 2 1/2"-12 UN  | 7,60        | 350                                 | 31793  | 350      | 37764 |

Please note the pressure ratings of the tube connections!

\*Article usually in stock.

## FLOW CHARACTERISTICS

The flow values are valid for hydraulic oil (spissitude 880 kg/m<sup>3</sup>) and the kinematic viscosity  $\nu$  of 35 mm<sup>2</sup>/s.

Flow direction: B-A

$\Delta p$  characteristic line free flow through check valve

 **Leakage rate of check valve**  
DIN EN 12266 – leakage rate C-D (test medium water)

