

# SMALL

**Valvole di ritegno di piccolo diametro** / Small diameter check valves

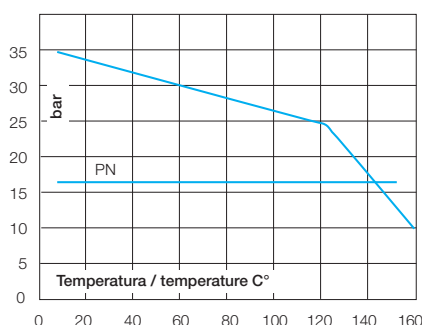


|                                        |                                               |                                               |                     |                 |
|----------------------------------------|-----------------------------------------------|-----------------------------------------------|---------------------|-----------------|
| <b>Modello</b> / Model<br><b>SMALL</b> | <b>Materiale</b> / Material<br>Aisi 304 - 316 | <b>Tenuta</b> / Seal<br>NBR, EPDM, FPM o PTFE | <b>DN</b><br>8 – 15 | <b>PN</b><br>16 |
|----------------------------------------|-----------------------------------------------|-----------------------------------------------|---------------------|-----------------|

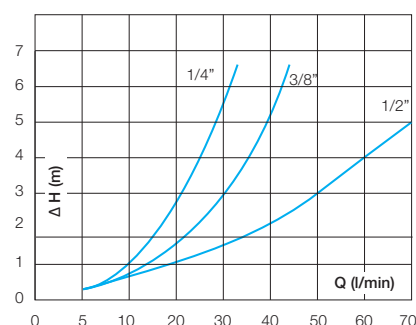
## Caratteristiche tecniche / Construction features

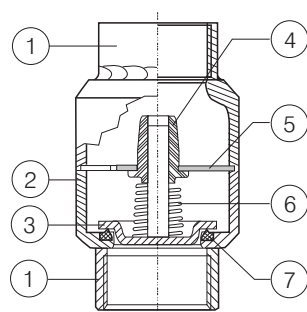
- **Lavorazione: acciaio inox stampato** /  
Manufacturing process: pressed stainless steel
- **Trattamento superficiale sgrassaggio, decapaggio ed elettrolucidatura** /  
Surface treatment degreasing, pickling and electropolishing
- **Tenuta** / Seal ring  
NBR, EPDM, FPM, PTFE o FEP
- **Connessioni filettate femmina secondo** /  
Threaded ends female according to  
UNI ISO 228/1
- **Saldatura a TIG senza apporto di materiale**  
TIG weldings without additional material
- **Pressione di apertura** / Opening pressure  
Min. 0,025 – Max. 0,035 bar
- **Test idraulico di tenuta guarnizioni** /  
Hydraulic test on the seal rings  
0.2 bar
- **Pressione nominale di esercizio** /  
Nominal working pressure  
16 bar
- **Temperatura di esercizio** / Working  
temperature  
-25°C – +90°C NBR  
-20°C – +110°C EPDM  
-20°C – +150°C FPM  
-20°C – +200°C PTFE o/or FEP
- **Certificazioni** / Approvals  
 NSF/ANSI 61  
(solo versioni Aisi 316 FPM e  
304 EPDM / only Aisi 316 FPM  
and 304 EPDM types)  
 WRAS  
(solo versioni Aisi 304 e  
316 EPDM / only Aisi 304  
and 316 EPDM types)

## Diagramma pressione temperatura / Pressure temperature diagram

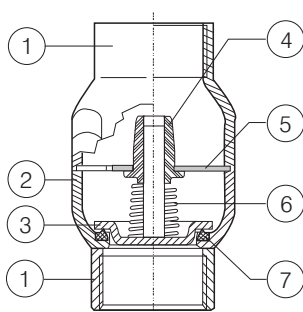


## Perdite di carico / Friction losses diagrams

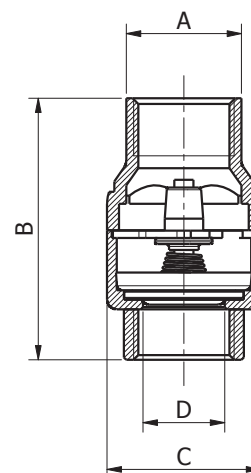




1/4 - 3/8"



1/2"



### Componenti e materiali / Components and materials

|          |                                            | Versione Aisi 304<br>Version Aisi 304 | Versione Aisi 316<br>Version Aisi 316 |
|----------|--------------------------------------------|---------------------------------------|---------------------------------------|
| <b>1</b> | <b>Manicotti filettati</b> / Threaded ends | 1.4301 / 1.4304 EN 10088              | 1.4401 / 1.4404 EN 10088              |
| <b>2</b> | <b>Corpo</b> / Body                        | 1.4301 / 1.4304 EN 10088              | 1.4401 / 1.4404 EN 10088              |
| <b>3</b> | <b>Otturatore</b> / Flow control disc      | 1.4301 / 1.4304 EN 10088              | 1.4401 / 1.4404 EN 10088              |
| <b>4</b> | <b>Boccola di guida</b> / Guide bush       | PTFE                                  | PTFE                                  |
| <b>5</b> | <b>Supporto boccola</b> / Bush support     | 1.4301 / 1.4304 EN 10088              | 1.4401 / 1.4404 EN 10088              |
| <b>6</b> | <b>Molla</b> / Spring                      | 1.4301 / 1.4304 EN 10088              | 1.4401 / 1.4404 EN 10088              |
| <b>7</b> | <b>Guarnizione</b> / Seal ring             | NBR, EPDM, FPM                        | FPM, EPDM, PTFE                       |

### Dimensioni e pesi / Dimensions and weights

| Codice<br>Code | Misura<br>Size | Materiale<br>Material | Tenuta<br>Seal | DN | PN | Peso<br>in gr.<br>Weight<br>in gr. | KV<br>m <sup>3</sup> /h | Dimensioni in mm<br>Dimensions in mm |    |    |        |
|----------------|----------------|-----------------------|----------------|----|----|------------------------------------|-------------------------|--------------------------------------|----|----|--------|
|                |                |                       |                |    |    |                                    |                         | A                                    | B  | C  | D      |
| 900101         | 1/4"           | Aisi 304              | NBR            | 08 | 16 | 94                                 | 2,5                     | 20                                   | 56 | 32 | 1/4" F |
| 900108         | 3/8"           |                       |                | 10 | 16 | 91                                 | 3,2                     | 20                                   | 56 | 32 | 3/8" F |
| 900115         | 1/2"           |                       |                | 15 | 16 | 93                                 | 6,0                     | 25                                   | 56 | 32 | 1/2" F |
| 900102         | 1/4"           | Aisi 304              | FPM            | 08 | 16 | 94                                 | 2,5                     | 20                                   | 56 | 32 | 1/4" F |
| 900109         | 3/8"           |                       |                | 10 | 16 | 91                                 | 3,2                     | 20                                   | 56 | 32 | 3/8" F |
| 900116         | 1/2"           |                       |                | 15 | 16 | 93                                 | 6,0                     | 25                                   | 56 | 32 | 1/2" F |
| 900104         | 1/4"           | Aisi 316              | FPM            | 08 | 16 | 94                                 | 2,5                     | 20                                   | 56 | 32 | 1/4" F |
| 900111         | 3/8"           |                       |                | 10 | 16 | 91                                 | 3,2                     | 20                                   | 56 | 32 | 3/8" F |
| 900118         | 1/2"           |                       |                | 15 | 16 | 93                                 | 6,0                     | 25                                   | 56 | 32 | 1/2" F |
| 900107         | 1/4"           | Aisi 316              | PTFE           | 08 | 16 | 94                                 | 2,5                     | 20                                   | 56 | 32 | 1/4" F |
| 900114         | 3/8"           |                       |                | 10 | 16 | 97                                 | 3,2                     | 20                                   | 56 | 32 | 3/8" F |
| 900126         | 1/2"           |                       |                | 15 | 16 | 112                                | 6,0                     | 25                                   | 56 | 32 | 1/2" F |

**Modello / Model**  
**SMALL / OR**

**Materiale / Material**  
Aisi 304 - 316

**Tenuta / Seal**  
FPM

**DN**  
8 – 15

**PN**  
16



### Caratteristiche tecniche / Construction features

- **Adatta ad utilizzo con aria compressa o vuoto in applicazioni non gravose** / For use with compressed air or vacuum in low impact applications
- **Otturatore: acciaio inossidabile Aisi 316 con saldatura rinforzata tra perno e disco** / Flow control disc: stainless steel Aisi 316 with reinforced welding between guiding pin and disc

### ■ Certificazioni / Approvals



NSF/ANSI 61  
(solo versione Aisi 316 /  
only Aisi 316 type)

### Dimensioni e pesi / Dimensions and weights

| Codice<br>Code | Misura<br>Size | Materiale<br>Material | DN | PN | Peso<br>in gr.<br>Weight<br>in gr. | KV<br>m³/h | Dimensioni in mm<br>Dimensions in mm |    |    |        |
|----------------|----------------|-----------------------|----|----|------------------------------------|------------|--------------------------------------|----|----|--------|
|                |                |                       |    |    |                                    |            | A                                    | B  | C  | D      |
| 900102R        | 1/4"           | Aisi 304              | 08 | 16 | 94                                 | 2,5        | 20                                   | 56 | 32 | 1/4" F |
| 900109R        | 3/8"           |                       | 10 | 16 | 91                                 | 3,2        | 20                                   | 56 | 32 | 3/8" F |
| 900124         | 1/2"           |                       | 15 | 16 | 93                                 | 6,0        | 25                                   | 56 | 32 | 1/2" F |
| 900104OR       | 1/4"           | Aisi 316              | 08 | 16 | 94                                 | 2,5        | 20                                   | 56 | 32 | 1/4" F |
| 900111OR       | 3/8"           |                       | 10 | 16 | 91                                 | 3,2        | 20                                   | 56 | 32 | 3/8" F |
| 900118R        | 1/2"           |                       | 15 | 16 | 93                                 | 6,0        | 25                                   | 56 | 32 | 1/2" F |

**Modello / Model**  
**SMALL / 1074-3**

**Materiale / Material**  
Aisi 304 - 316

**Tenuta / Seal**  
EPDM

**DN**  
8 – 15

**PN**  
16



### Caratteristiche tecniche / Construction features

- **Per acqua potabile** / For drinkable water
- **Conforme a** / In conformity with  
UNI EN 1074-3

- **Certificazioni** / Approvals



NSF/ANSI 61  
(solo versione Aisi 304 /  
only Aisi 304 type)

### Dimensioni e pesi / Dimensions and weights

| Codice<br>Code | Misura<br>Size | Materiale<br>Material | DN | PN | Peso<br>in gr.<br>Weight<br>in gr. | KV<br>m³/h | Dimensioni in mm<br>Dimensions in mm |    |    |        |
|----------------|----------------|-----------------------|----|----|------------------------------------|------------|--------------------------------------|----|----|--------|
|                |                |                       |    |    |                                    |            | A                                    | B  | C  | D      |
| 900103A        | 1/4"           | Aisi 304              | 08 | 16 | 94                                 | 2,5        | 20                                   | 56 | 32 | 1/4" F |
| 900110A        | 3/8"           |                       | 10 | 16 | 91                                 | 3,2        | 20                                   | 56 | 32 | 3/8" F |
| 900117A        | 1/2"           |                       | 15 | 16 | 93                                 | 6,0        | 25                                   | 56 | 32 | 1/2" F |
| 900106A        | 1/4"           | Aisi 316              | 08 | 16 | 94                                 | 2,5        | 20                                   | 56 | 32 | 1/4" F |
| 900112A        | 3/8"           |                       | 10 | 16 | 91                                 | 3,2        | 20                                   | 56 | 32 | 3/8" F |
| 900120A        | 1/2"           |                       | 15 | 16 | 93                                 | 6,0        | 25                                   | 56 | 32 | 1/2" F |

|                                              |                                         |                             |                     |                 |
|----------------------------------------------|-----------------------------------------|-----------------------------|---------------------|-----------------|
| <b>Modello / Model</b><br><b>SMALL / NPT</b> | <b>Materiale / Material</b><br>Aisi 316 | <b>Tenuta / Seal</b><br>FPM | <b>DN</b><br>8 – 15 | <b>PN</b><br>16 |
|----------------------------------------------|-----------------------------------------|-----------------------------|---------------------|-----------------|



**Caratteristiche tecniche /**  
Construction features

- **Adatta ad utilizzo con aria compressa o vuoto in applicazioni non gravose /** For use with compressed air or vacuum in low impact applications
- **Otturatore: acciaio inossidabile Aisi 316 con saldatura rinforzata tra perno e disco /** Flow control disc: stainless steel Aisi 316 with reinforced welding between guiding pin and disc

- **Filettatura / Thread**  
NPT
- **Certificazioni / Approvals**  
 NSF/ANSI 61

**Dimensioni e pesi /**  
Dimensions and weights

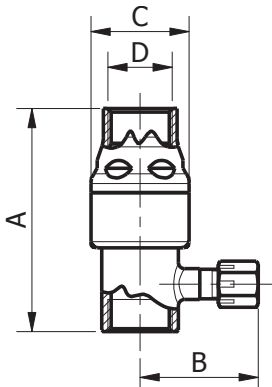
| Codice<br>Code | Misura<br>Size | DN | PN | Peso<br>in gr.<br>Weight<br>in gr. | KV<br>m³/h | Dimensioni in mm<br>Dimensions in mm |    |    |        |
|----------------|----------------|----|----|------------------------------------|------------|--------------------------------------|----|----|--------|
|                |                |    |    |                                    |            | A                                    | B  | C  | D      |
| 900104NPTR     | 1/4"           | 08 | 16 | 94                                 | 2,5        | 20                                   | 56 | 32 | 1/4" F |
| 900111NPTR     | 3/8"           | 10 | 16 | 91                                 | 3,2        | 20                                   | 56 | 32 | 3/8" F |
| 900118NPTR     | 1/2"           | 15 | 16 | 93                                 | 6,0        | 25                                   | 56 | 32 | 1/2" F |

|                                                  |                                         |                             |                 |                 |
|--------------------------------------------------|-----------------------------------------|-----------------------------|-----------------|-----------------|
| <b>Modello / Model</b><br><b>SMALL / TYPE EA</b> | <b>Materiale / Material</b><br>Aisi 304 | <b>Tenuta / Seal</b><br>FPM | <b>DN</b><br>15 | <b>PN</b><br>16 |
|--------------------------------------------------|-----------------------------------------|-----------------------------|-----------------|-----------------|



**Caratteristiche tecniche /**  
Construction features

- **Versione antinquinamento controllabile /** Antipollution checkable version
- **Conforme a /** In conformity with  
UNI EN 1717 (tipo / type EA)



**Dimensioni e pesi /**  
Dimensions and weights

| Codice<br>Code | Misura<br>Size | DN | PN | Peso<br>in gr.<br>Weight<br>in gr. | KV<br>m³/h | Dimensioni in mm<br>Dimensions in mm |    |    |        |
|----------------|----------------|----|----|------------------------------------|------------|--------------------------------------|----|----|--------|
|                |                |    |    |                                    |            | A                                    | B  | C  | D      |
| 900116T        | 1/2"           | 15 | 16 | 134                                | 6,0        | 71                                   | 40 | 32 | 1/2" F |