Hygienic non-return valve RSV_



Hygienic non-return valves prevent a return flow of media in processing plants. The spring-equipped valve in the RSV series requires only a low-to-medium pressure to open. The durable valve seat seal made of EPDM enables optimum seal integrity.

- Valves are designed for use in the food, dairy and beverage, pharmaceutical, chemical, and cosmetics industries
- Suitable for both horizontal and vertical use
- Operating temperatures up to +140°C (+284°F)
- CIP (cleaning in place) and SIP (sterilizing in place) capable up to +140°C (284°F)

Design Characteristics

- Modular design, consisting of two housing halves and internal assembly
- The housing halves and internal assembly are connected with a three-piece clamp
- Low-maintenance design
- All product contact surfaces are made of AISI 316L stainless steel (materials certificate available upon request) with a surface finish of 0.8 µm Ra that meets all common hygienic standards
- Low spring force so that the valve opens at lowto-medium pressure

Housing

Both housing halves are designed with welded ends by default. Other connections can also be provided upon request.

Internal Assembly

Internal assemblies are available with one-piece or separable valve plates. In addition to the standard sealant EPDM, additional material options such as PTFE and Viton are available.

| Dimensions of the pipe connections (acc. to DIN 11866) | | | | | |
|---|------------|-----------|-----------|-----------|-----------|
| DN | 15 | 25 | 40 | 50 | 65 |
| DIN 11866 A (DIN 11850) | | | | | |
| Dim. Ø x s (mm) | 19x1.5 | 29x1.5 | 41x1.5 | 53x1.5 | 70x2 |
| DIN 11866 B (ISO) | | | | | |
| Dim. Ø x s (mm) | 21.3x1.6 | 33.7x2 | 48.3x2 | 60.3x2 | 76.1x2 |
| | | | | | |
| | 3/4" | 1" | 1½" | 2" | 2½" |
| DIN 11866 C (OD) | | | | | |
| Dim. Ø x s (mm) | 19.05x1.65 | 25.4x1.65 | 38.1x1.65 | 50.8x1.65 | 63.5x1.65 |
| Dim. Ø x s (inch) | 0.75x0.065 | 1.0x0.065 | 1.5x0.065 | 2.0x0.065 | 2.5x0.065 |

25

102

53

100

119

70

100

Dimensions of the non-return valve RSV

15

102

53

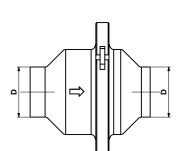
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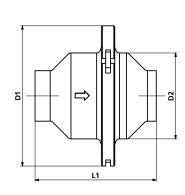




DN

D1





50

147

127

90

65

190

108

124

