

Hygienic non-return valve RSV



Functionality

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.

Use

- 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 low-to-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
	¾"	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

Dimensions of the non-return valve RSV

DN	15	25	40	50	65
D1	102	102	119	147	190
D2	53	53	70	90	108
L1	100	100	100	127	124



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