CHALLENGE
In hygienic production processes there are situations where a flow stream is only required in one direction. Backflow needs to be prevented in supply lines or when shutting off pumps. Corresponding valve technology needs to be robust to withstand high flows and pressures but also be easy to clean by common CIP processes.

SOLUTION
The new RV SOLID non-return valve range from Südmo safely avoids backflow in piping. Front side sealing O-Rings, flow optimized cross sections and an excellent surface quality allows for easy and efficient CIP cleaning. The robust construction allows the valve to perform in even harsh process conditions. The 3A certificate confirms hygienic design and quality components. The RV Solid is suitable for use in the US Dairy industry and is the benchmark for hygienic non-return valves.

CUSTOMER BENEFITS
• Optimal Cleanability
• 3A TPV Certification
• Robust Design
• Easy to Maintain
TYPICAL APPLICATIONS
• Avoiding backflow after shutting off pumps
• Avoiding backflow into supply lines

TECHNICAL DATA
Valve Sizes
DN 10–150 / OD 0.5” – 6”

Material Product Wetted Area
1.4404 (AISI 316L)

Operating Pressure
10 bar (145 psi)

Product Wetted Surfaces
Ra ≤ 0.8 μm

Product Wetted Seals
EPDM (FDA/EG1935)
Optional FKM (FDA/EG1935)

TYPICAL PRODUCTS AND APPLICATIONS

Beverage
• Beer
• Spirits
• Wine
• Soft Drinks
• Iced Tea
• Fruit Juices
• Water

Dairy & Food
• Cheese
• Yoghurt
• Milk
• Whey Products
• Soups
• Vegetable Purees
• Pet Food

NEW SÜDMO VALVE RANGE
RV SOLID
NON RETURN VALVES

Valve position: Open
Valve position: Closed

Beverage
• Beer
• Spirits
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• Soft Drinks
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• Fruit Juices
• Water

Dairy & Food
• Cheese
• Yoghurt
• Milk
• Whey Products
• Soups
• Vegetable Purees
• Pet Food

P745
Welding End

P750
Sandwich Style

P760
Tri-Clamp

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