



FULL STROKE VALVES



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Rieger's aseptic and hygienic Full Stroke Valves are best-in-class valves for high viscosity products, such as tomato paste, jam or smoothies. With the full cylindrical stem, the valves open to 100% of the tube size, which avoids any dead spaces within the valve and reduces pressure drops to a minimum. An optional steam barrier guarantees hermetic sealing against the environment.

Industries of application: tomato processing, food, dairy and cosmetics.

DESIGN FEATURES

- Valve body made from solid bar
- No dead spaces
- Resistant to aggressive fluids
- Hermetically sealed against the environment through steam-barrier

- Long service life of PEEK sealing
- Drainable

MAINTENANCE BENEFITS

- Maximize life cycles
- Ease of cleaning – CIP/SIP
- Modular system makes changing actuator more convenient – from pneumatic to manual or vice versa.

- Change seals without special tools
- Minimal downtimes
- Low spare parts cost
- PEEK sealing conform to FDA regulations

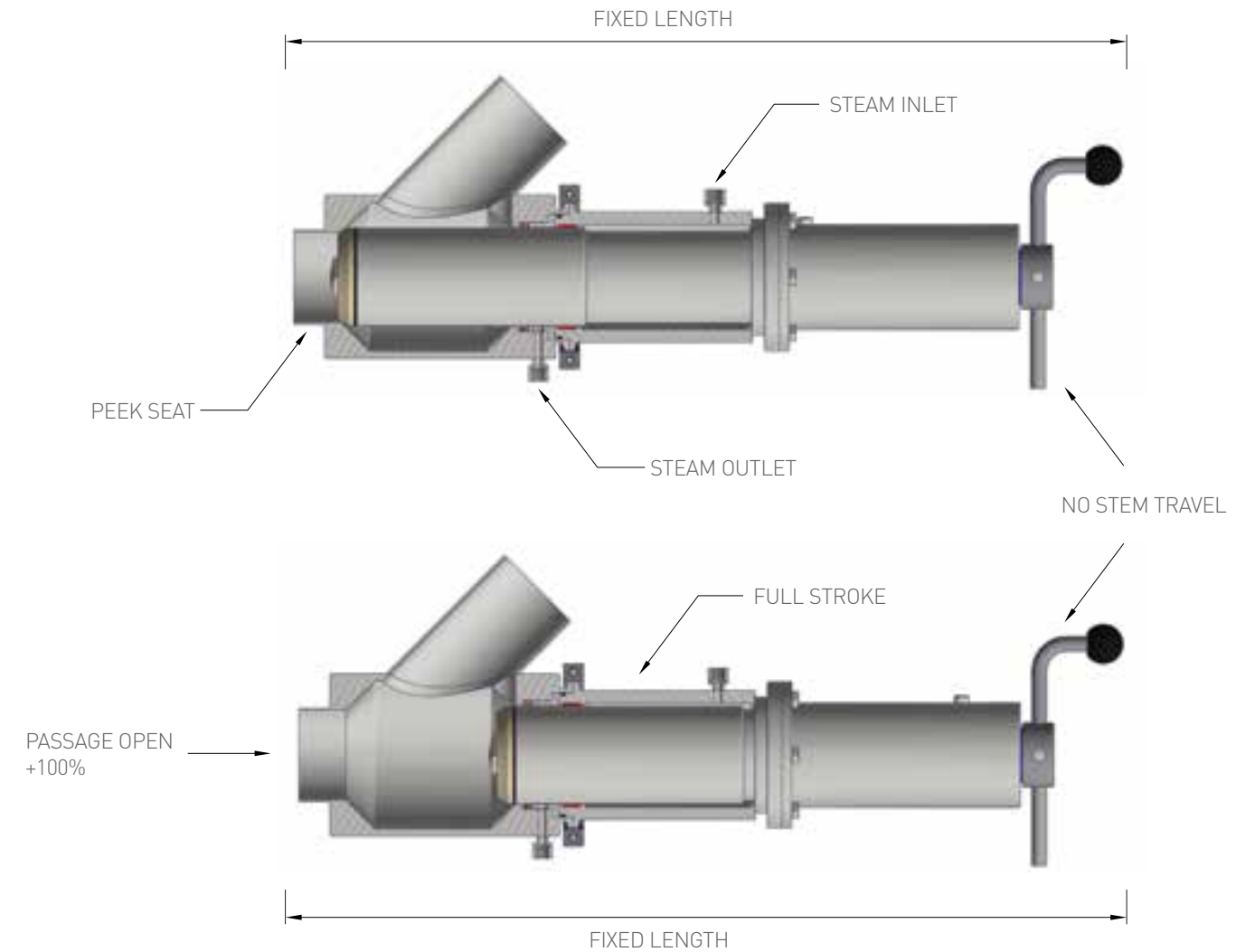
OPTIONS INCLUDE

- Wide variety of installation positions available
- High quality product surface finishes available, including electropolishing
- Electronic feedback

ACTUATOR VERSIONS

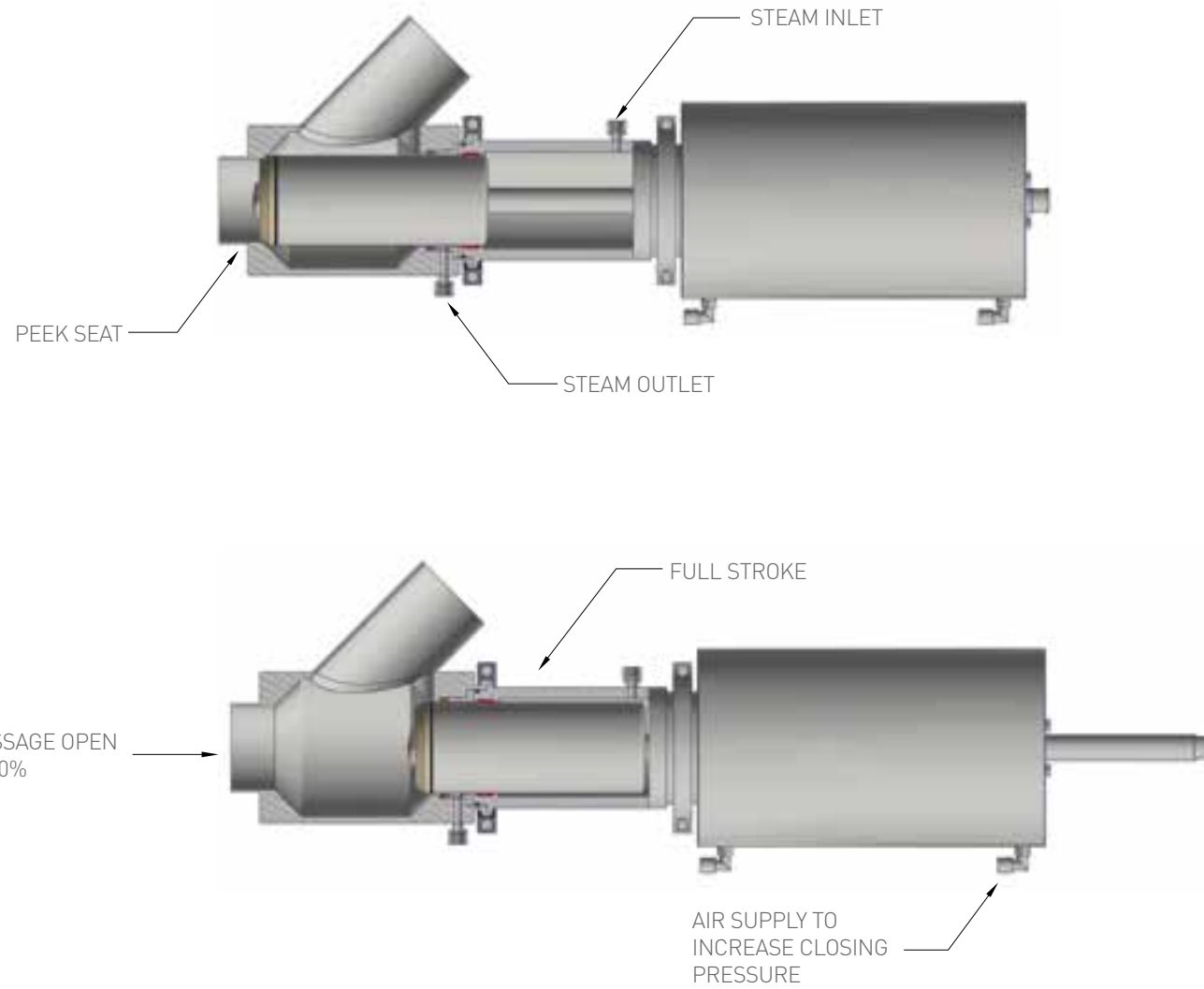
1. Automatic actuator
2. Manual activation

RAILCAR VALVE



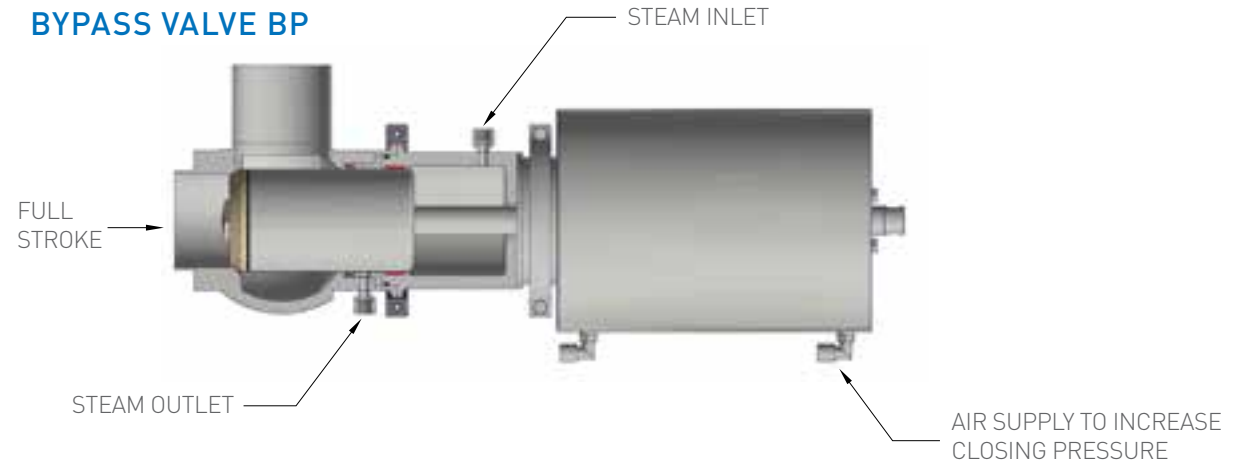
Dimensions	2"	2.5"	3"	4"
Stroke	90 mm	110 mm	125 mm	160 mm
Actuator	Manual	Manual	Manual	Manual

ISOLATION VALVE



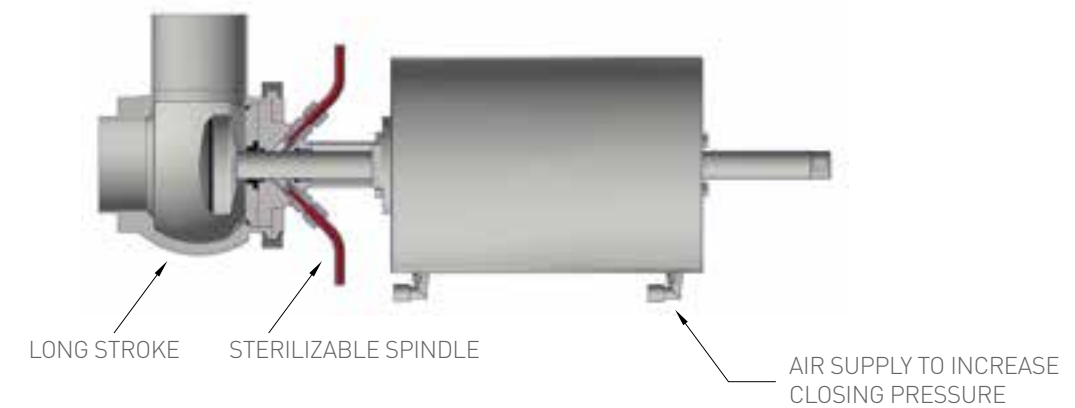
Dimensions	2"	2.5"	3"	4"
Stroke	90 mm	110 mm	125 mm	160 mm
Closing pressure with 6 bar/87 psi air assist	Max. 14 bar/203 psi	Max. 14 bar/203 psi	Max. 14 bar/203 psi	Max. 14 bar/203 psi
Closing pressure without 6 bar/87 psi air assist	2.5 bar/36.3 psi	2 bar/29 psi	2 bar/29 psi	8 bar/116 psi

BYPASS VALVE



Dimensions	2"	2.5"	3"	4"
Stroke	45 mm	60 mm	65 mm	95 mm
Closing pressure with 6 bar/87 psi air assist	Max. 14 bar/203 psi	Max. 14 bar/203 psi	Max. 14 bar/203 psi	Max. 14 bar/203 psi
Closing pressure without 6 bar/87 psi air assist	5 bar/72.5 psi	4 bar/58 psi	5.5 bar/79.8 psi	4 bar/58 psi

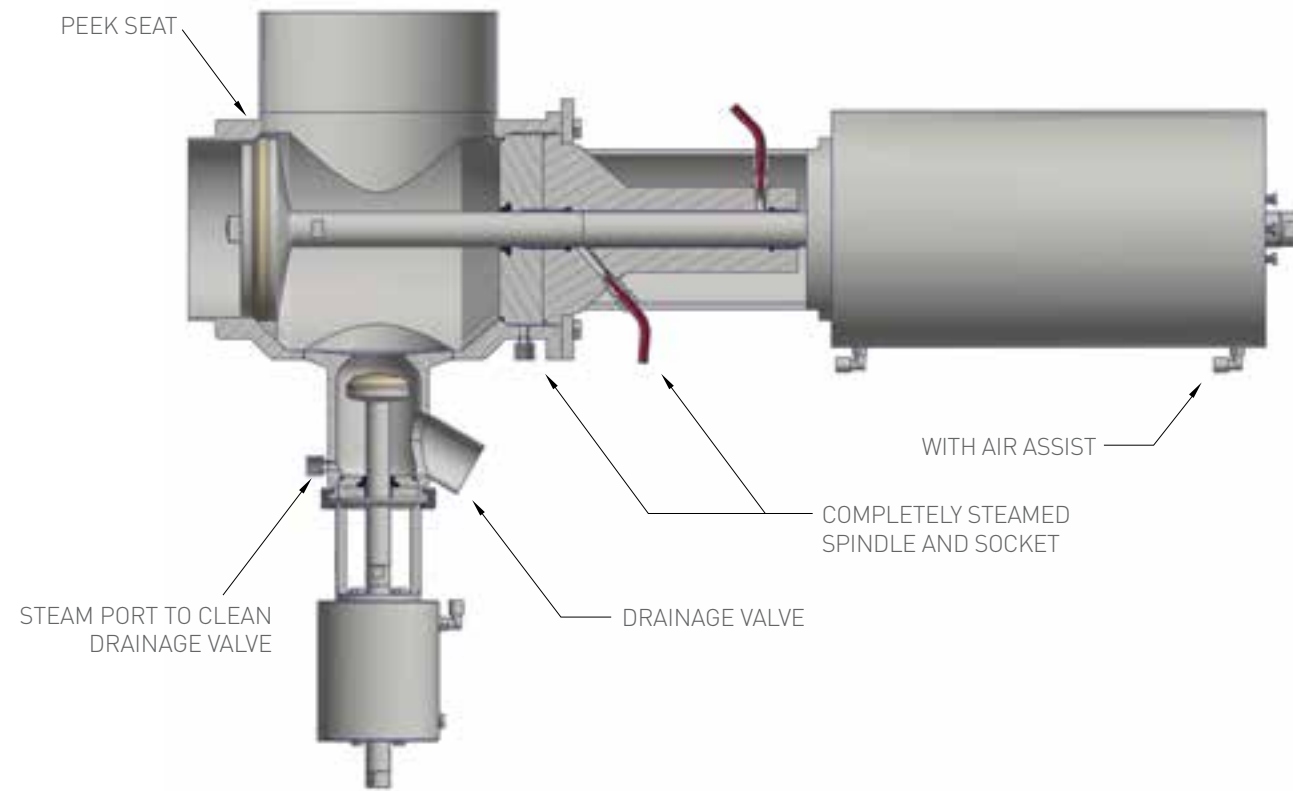
BYPASS VALVE RE



Dimensions	2"	2.5"	3"	4"
Stroke	20.5 mm	40 mm	50.5 mm	76 mm
Closing pressure with 6 bar/87 psi air assist	Max. 30 bar/435 psi	Max. 30 bar/435 psi	Max. 30 bar/435 psi	Max. 18 bar/261 psi
Closing pressure without 6 bar/87 psi air assist	10 bar/145 psi	8 bar/116 psi	10 bar/145 psi	5 bar/72.5 psi

COMPLETING THE RANGE

THE 8X6 TRANSFER VALVE



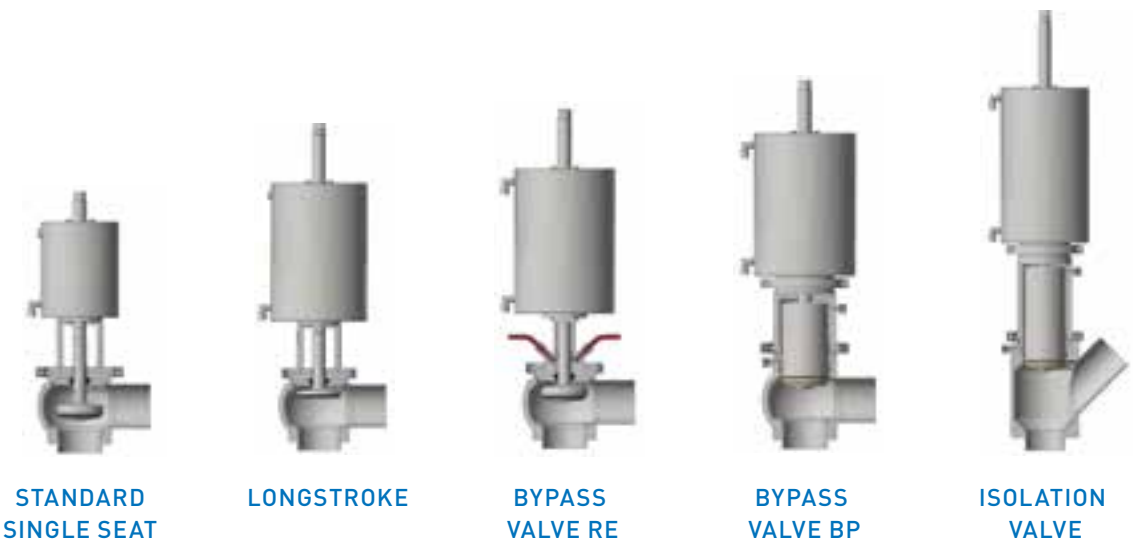
Available in 8" by 6" with completely steamed spindle and socket.

Dimensions	8"x 6"
Stroke	160 mm
Closing pressure with 6 bar/87 psi air assist	Max. 6 bar/87 psi
Closing pressure without 6 bar/87 psi air assist	2 bar/29 psi

TECHNICAL DATA

Material	Product contact	1.4404/AISI 316L
	Optional	Hastelloy, Titanium, AL6XN, and others
	Not in contact with product	1.4301/AISI 304
Product Contact Seals	Standard	PEEK
	Optional	Metal
Temperatures	For continuous operation	130°C (EPDM)* 166°F
	For sterilization	150°C (EPDM)* 302°F
Pressure	Operation pressure - Automatic - Manual	Max. 10 bar (145 psi) by spring / Max. 30 bar (435 psi) with air assist Max. 16 bar (232 psi)
	Control air pressure	Min. 6 bar – max 10 bar Min. 87 psi – max 145 psi
Surface Finish	Product contact	Ra ≤ 0,8 μm (32 μ")
	Not in contact with product	Ra ≤ 1,6 μm (63 μ")
	Optional	Higher quality surfaces on request
Connections	Standard	Weld end
	Optional	Sanitary clamps, threads, flange connections and others

A VALVE FOR EVERY PURPOSE



Stroke	20,5 mm	35 mm	30,5 mm	45 mm	90 mm
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*Compared at 2" dimension



NEUMO Ehrenberg Group worldwide

Rieger was founded in Aalen, Germany in 1879 by the Rieger brothers. Today, Rieger is a member of the worldwide operating NEUMO Ehrenberg Group.

Rieger continues to receive international recognition for their aseptic and hygienic valves. Contact Rieger Flow Products, Rieger's North and South American subsidiary, to learn more about Rieger's full line of aseptic and hygienic valves, including BioCheck, Inclined Seat, Double Seal, Overflow and Mix Proof valves for the food, beverage, dairy, and pharmaceutical industries.



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