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LAUFER VALVE TECHNOLOGY



Sanitary Multi-Port Free Flow Shutter Valves
for hygienic processes

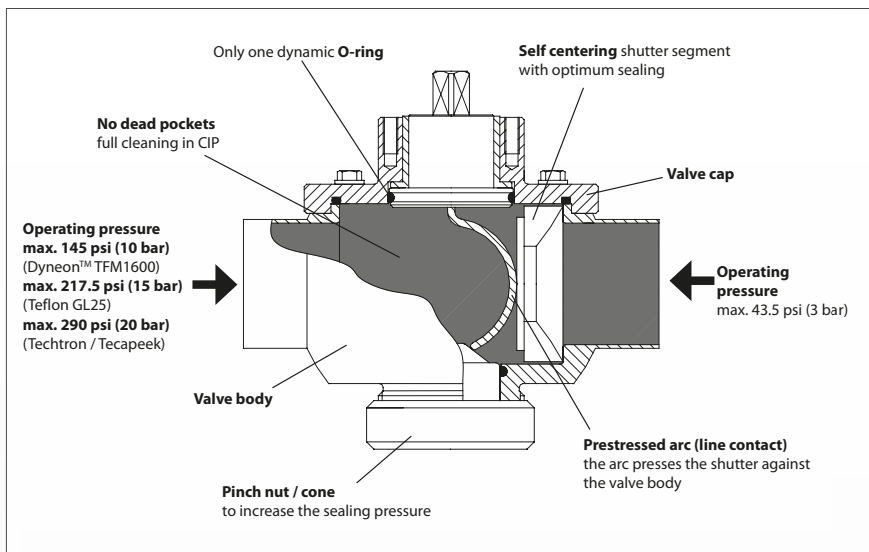
LAUFER Multi-Port Free Flow Shutter Valves

for highly viscous, fast hardening media and hygienic pigging processes

The hygienic alternative to ball valves

LAUFER free flow shutter valves have been designed according to hygienic design guidelines to meet the high demands of process engineering applications. LAUFER valves are particularly suited for viscous/pasty products and fluids containing solid particles on account of a totally clear passage, as well as easy and thorough cleaning in place.

This valve series thus provides optimum conditions for a wide variety of pigging system applications. By virtue of their simplicity of design and minimum number of components and wearing parts, LAUFER valves are characterized by maximum hygiene, low maintenance and safe operation.



Made with Know How

Features

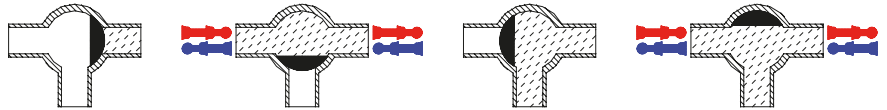
- No dead pockets
- EHEDG certified CIP/SIP capability (hygienic design)
- Totally clear passage – no pressure loss
- No product remainders or sticking of solid particles
- Designed to be passed with DMV lip pigs
- Minimum number of components and wearing parts
- Can be completely dismantled even when welded in place
- 3-A 51-01 and FDA compliance
- CRN

Operating positions

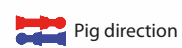
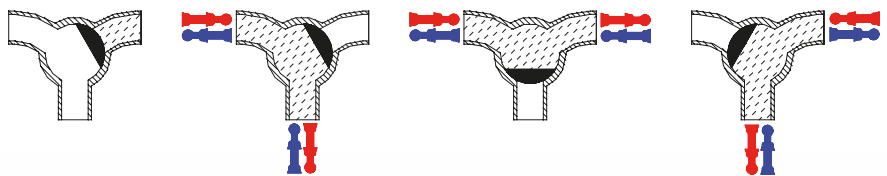
2-way shutter valve



3-way shutter valve



Pig diverter shutter valve 90°/120°



Hygienic – Modular – Efficient

	2- / 3-way shutter valve	Pig diverter shutter valve 90° / 120°
Nominal sizes		
Inch:	1" / 1.5" / 2" / 2.5" / 3" / 4" / 6"	1.5" / 2" / 2.5" / 3" / 4"
DIN:	25 / 40 / 50 / 65 / 80 / 100 / 150	40 / 50 / 65 / 80 / 100
Materials		
Inox parts in contact with product:	AISI 316L (1.4404 / 1.4435)	AISI 316L (1.4404 / 1.4435)
Other inox parts:	AISI 304 (1.4301)	AISI 304 (1.4301)
O-ring seals:	EPDM, FKM (Viton®), FEP, other grades upon request	EPDM, FKM (Viton®), FEP, other grades upon request
Shutter:	Dyneon™ TFM1600	Dyneon™ TFM1600
Surfaces		
In contact with product:	Ra ≤ 32µin (Ra ≤ 0.8µm)	Ra ≤ 32µin (Ra ≤ 0.8µm)
Temperature		
Operating temperature:	230°F (110°C)	230°F (110°C)
Short-term:	284°F (140°C) – optionally up to 392°F (200°C)	284°F (140°C) – optionally up to 392°F (200°C)
Operating pressure		
Pressure behind arc:	145 psi (10 bar) – optionally up to 290.1 psi (20 bar)	145 psi (10 bar) – optionally up to 290.1 psi (20 bar)
Pressure against arc:	43.5 psi (3 bar)	43.5 psi (3 bar)
Versions	2-way / 3-way	3-way (3 x 120°)
Operation		
Manual:	with handle (4 locking positions)	with handle (3 locking positions)
Pneumatic:	• Vertical pneumatic actuator (AISI 304) • Horizontal pneumatic actuator (aluminium housing)	• Horizontal pneumatic actuator (aluminium housing)
Valve connection		
Clamp connection:	Tri-Clamp	Tri-Clamp
Welded ends:	Inch, DIN	Inch, DIN
Male ends:	DIN 11851	DIN 11851
Further options / Certificates	<ul style="list-style-type: none"> • 4-way version • Shutter material; alternatively glass-fiber reinforced, Teflon (GL25), Tecapeek® • Heated version • Leakage control of moving O-ring seal / steam barrier with ball-bearing supported selector shaft • Combination of different types of connection • Delivery and adaptation to actuators of different manufacture per Namur NE14 and DIN EN ISO5211 • EHEDG certified CIP/SIP capability (hygienic design) • 3-A 51-01 and FDA compliance • CRN 	



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