LIAG®

LAUFER
Valve Technology Inc.

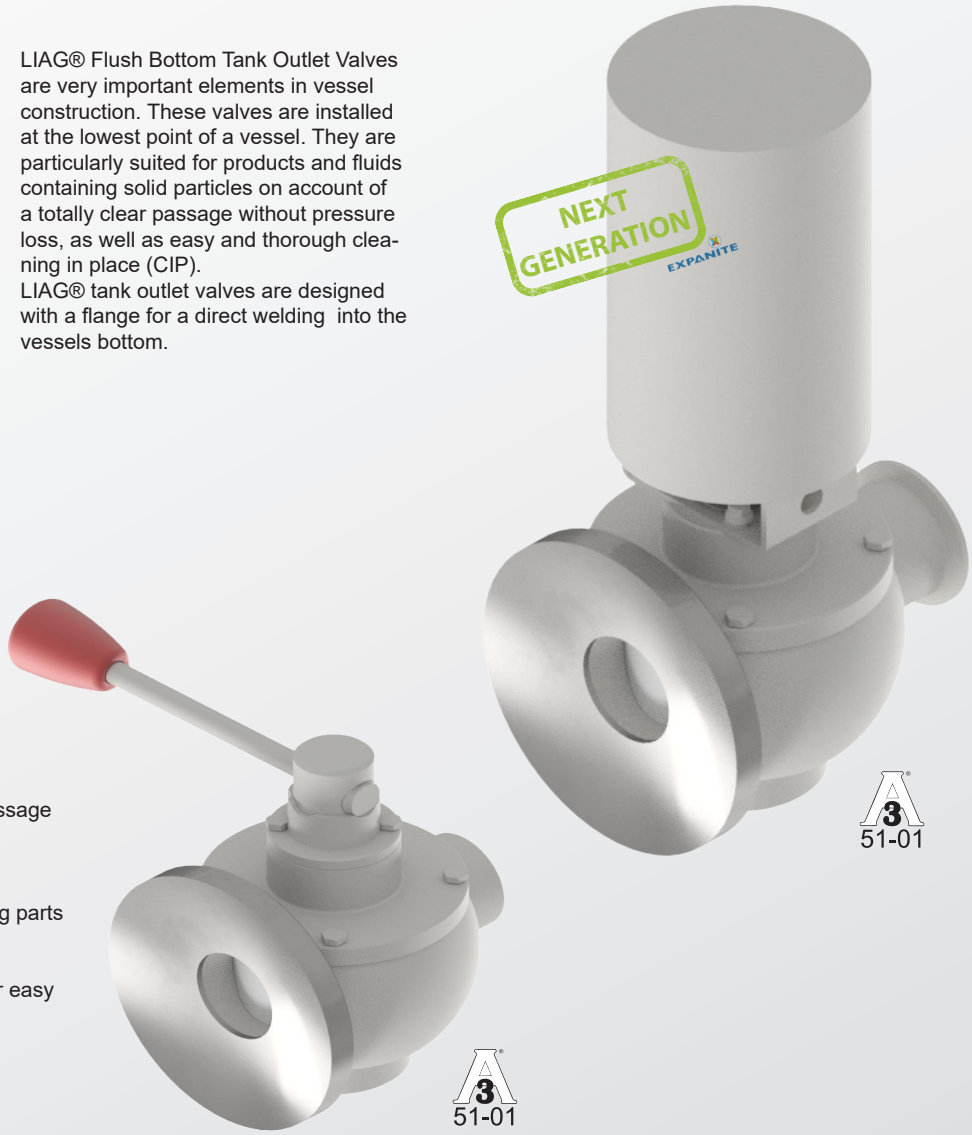
Flush Bottom Tank Outlet Valve

LIAG® Flush Bottom Tank Outlet Valves

The clean solution

LIAG® Flush Bottom Tank Outlet Valves have been designed according to hygienic design guidelines to meet the high demands of process engineering applications.

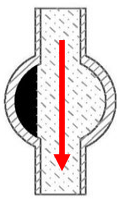
LIAG® Flush Bottom Tank Outlet Valves are very important elements in vessel construction. These valves are installed at the lowest point of a vessel. They are particularly suited for products and fluids containing solid particles on account of a totally clear passage without pressure loss, as well as easy and thorough cleaning in place (CIP).
LIAG® tank outlet valves are designed with a flange for a direct welding into the vessels bottom.



Features

- No dead pockets
- CIP/SIP capability (hygienic design)
- Product-friendly drainage due totally clear passage without pressure loss
- No product remainders or sticking of solid particles
- Minimum number of components and wearing parts (same as Shutter Valves)
- Can be completely dismantled even when welded into the vessels bottom for easy servicing
- 3-A 51-01 and FDA compliance
- CRN

Flow Rate of LIAG® Flush Bottom Tank Outlet Valve		
1"	264.17 gpm	60 m³/h
1.5"	616.40 gpm	140 m³/h
2"	1496.97 gpm	340 m³/h
2.5"	1805.18 gpm	410 m³/h
3"	1981.29 gpm	450 m³/h
4"	4358.84 gpm	990 m³/h



Hygienic – Modular – Efficient

Nominal sizes	
Inch:	1" / 1.5" / 2" / 2.5" / 3" / 4"
Materials	
Inox parts in contact with product:	AISI 316L (1.4404 / 1.4435)
Other inox parts:	AISI 304 (1.4301)
O-ring seals:	EPDM, FKM (Viton®), FEP, other grades upon request
Shutter:	PTFE TFM1600
Surfaces	
In contact with product:	Ra ≤ 32µin (Ra ≤ 0.8µm)
Temperature	
Operating temperature:	230°F (110°C)
Short-term:	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)
Pressure against arc:	43.5 psi (3 bar)
Versions	2-way
Operation	
Manual:	with handle (0° - 90°)
Pneumatic:	• Vertical pneumatic actuator (AISI 304) • Horizontal pneumatic actuator (aluminium housing)
Valve connection	
Clamp connection:	Tri-Clamp
Welded ends:	Inch
Installation	With flange for welding into the vessels bottom

Further options / Certificates

- Shutter material; Tecapeek®, PTFE+15% Peek
- Delivery and adaptation to actuators of different manufacture per Namur NE14 and DIN EN ISO5211
- 3-A 51-01 and FDA compliance
- CRN

LAUFER Valve Technology Inc., 2300 Walnut Ave, Suite Q-R, Signal Hill, CA 90755
T: +1.562.232.4777 - sales@laufer-valve.com - www.laufer-valve.com

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