

Food and Beverage Industry

LESER Industry Solution

The food and beverage industry has special requirements regarding the cleanability and seat tightness of safety valves. For an easy cleaning process the safety valves shall open pneumatically and the open status shall be displayed. With the Clean Service Series LESER offers safety valves which fulfil all these demands. As a full range supplier LESER provides safety valves for all hygienic applications as well as for utilities.

Safety valves provide overpressure protection e.g. for:

- Vessels within the sterilization process
- Fermentation tanks in case of an unexpected malfunction
- Vessels and other process equipment against solidifying media as chocolate
- Filling stations





Customers

- Anheuser Busch Companies, Inc
- GE A Group AG
- Guinness Brewery
- Kronos AG
- Nestlé S.A.
- Procter & Gamble Company
- PepsiCo, Inc.
- Tetra Pak International S.A.
- Unilever N.V.

LESER Product Solution

Clean Service

Product Features	Benefits
<ul style="list-style-type: none"> • Valve sizes from DN 25 to DN 100, 1" to 4" • Materials: 1.4404 / 316L 1.4435 / 316L • No bacteria traps or contamination • Minimum dead leg design and flush-mounting capability • Gap and crevice free design of internals • Optional pneumatic lifting device and proximity switch for plant automation • Wetted-part surface acc. to DIN 11866 and ASME BPE 2002 • Use of  and  compliant elastomer • Single trim for steam, gas and liquid • Temperature: -45 °C to +150 °C • Set pressure from 0.1 bar to 68 bar 	<ul style="list-style-type: none"> • Great variety of clamp and threaded connections for high flexibility • Standard elastomer bellows for protection of the hard to clean parts • Series 48x is fully made of stainless steel, no casting parts for high surface quality • One-piece spindle for optimised setting accuracy and less friction • CIP (cleaning in place) and SIP (sterilizing in place) with pneumatic lifting device H8 possible • Self-draining body design, avoids residues and reduces corrosion



High Performance

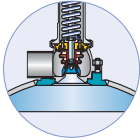
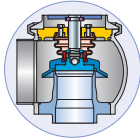
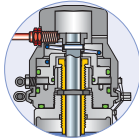
Product Features	Benefits
<ul style="list-style-type: none"> • Valve sizes from DN 20 to DN 400, 3/4" to 16" • Materials: 0.6025, 0.7043, 1.0619 / WCB, 1.4408 / CF8M, 1.7357 / WC6 • Flange connections according to DIN EN, ASME and other • Single trim for steam, gas and liquid • Standard metal sealing, stelleded, or O-ring disc for superior tightness • Optional bellows design available • Temperature: -270 °C to +550 °C • Set pressure from 0.1 bar to 300 bar 	<ul style="list-style-type: none"> • Simple and sturdy design for high reliability and maintainability • Easy adaptation to respective application due to great variety of options • Lower total cost of ownership based on optimised design • No dirt disposition due to self draining body • High capacity compared to API safety valves enables smaller valve size and lower investment costs






LESER

The-Safety-Valve.com

Advantages

Feature	Cleanability	HyTight Assembly (Hygienic and Tightness)	Plant Automation
			
Benefit	<ul style="list-style-type: none"> • CIP (cleaning in place) and SIP (sterilizing in place) capabilities for sanitary processes • International surface definition acc. to ASME BPE and DIN 11866 • Low dead space for easy cleanability 	<ul style="list-style-type: none"> • Gap free internal design • Surface roughness up to R_a 15 µinch • Superior tightness 	<ul style="list-style-type: none"> • Automated opening of valve during cleaning cycle (CIP, SIP) with lifting device H8 • Proof of valve opening during cleaning cycle with lift indicator • Remote display from a control room possible

Feature	Broad Product Range	Non-upright Installation	Made in Germany; Assembled Locally
			
Benefit	<ul style="list-style-type: none"> • Solutions for all industrial applications for steam, gas and liquid • Facilitates coordinated planning, delivery and sizing from one source • Highest flexibility for implementing special solutions 	<ul style="list-style-type: none"> • Space saving installation • High flexibility of equipment design • Type test approval for most Clean Service Types available 	<ul style="list-style-type: none"> • All products exclusively made in Germany • Large local stocks for short delivery times • In cases of an emergency same day delivery possible

Additional Products



API



Modulate Action



Compact Performance



High Efficiency



Critical Service



Best Availability Change-over Valve

526	429, 433	437, 459	810, 820	447	310, 311 XXL
DN 25 to DN 200	DN 15 to DN 150		DN 25 to DN 200	DN 25 to DN 100	DN 25 to DN 500
1" to 8"	1/2" to 6"	3/8" to 1 1/2"	1" to 8"	1" to 4"	1" to 20"
0.1 to 414 bar	0.2 to 160 bar	0.1 to 850 bar	2.5 to 63 bar	0.1 to 16 bar	PN 10 to PN 160

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Your local partner:

Worldwide Approvals

Europe	ISO 4126-1 / -4
Germany	AD 2000-Merkblatt A2
United States	ASME Sec. VIII Div. 1
Canada	CRN
China	AQSIQ
Russia	ROSTECHNADZOR / GOST R

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