

High Efficiency , Type 702, 712, 714, 731



## High Efficiency

### Type 702, 712, 714, 731

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The Supplementary Loading System is an additional option for LESER safety valves. It uses external air pressure to guarantee better tightness up to set pressure. This makes higher operating pressures of the plant possible.

#### Approvals

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#### Industries

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- Oil and Gas Industry
- Chemical Industry
- Petrochemical Industry
- Power
- Technical Gases

#### Further Links

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 [Catalog High Efficiency Supplementary Loading System \[DE, EN\]](#)

 [Instructions \[DE, EN, FR, IT, SP, RU, CN\]](#)

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## Datasheet

Product info	Metric unit	US unit
Key feature	Supplementary Loading System (additional option for safety valves)	
Nominal diameter inlet		
Nominal diameter inlet - Thread		
Nominal diameter inlet - Flange		
Nominal diameter outlet		
Pressure		
Operating limits valve size	DN 25 - DN 400	1" - 16"
Operating limits pressure class inlet flange	PN10 - PN400	CL150 - CL2500
Flange rating inlet		
KUB-Materials		
Type of loading	controlled by external medium	controlled by external medium
Approvals	PED/ DIN EN ISO 4126-5, PED/ AD 2000-Merkblatt A2, EAC	PED/ DIN EN ISO 4126-5, PED/ AD 2000-Merkblatt A2, EAC
Specials	Pilot action type: External energy Full open (overpressure): 1% Blowdown: 3% Application: Steam, gasses and liquids	Pilot action type: External energy Full open (overpressure): 1% Blowdown: 3% Application: Steam, gasses and liquids

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**Options**

<b>Feature</b>		<b>Option Code</b>
Box in box construction	Weather protection IP65 due to safety cabinet	M95
Heating	Standard electrical heating inclusive temperature control, 230V/50Hz	M87
	Electrical heating with Ex-protection Zone 1 inclusive temperature control, 230V/50Hz	M94
Design	Pneumatic	
	Electropneumatic	
Multiple valve control	Multiple valve control for more than one safety valve	
Remote lifting device	Solenoid valve 24V DC	M97
	Solenoid valve 24V DC EEX mII T5	M89
	Solenoid valve 230V DC EEX mII T5	M98