Best Availability

LESER Change-over Valves

Type 330, Type 320

LESER

The-Safety-Valve.com

LESER Change-over Valves

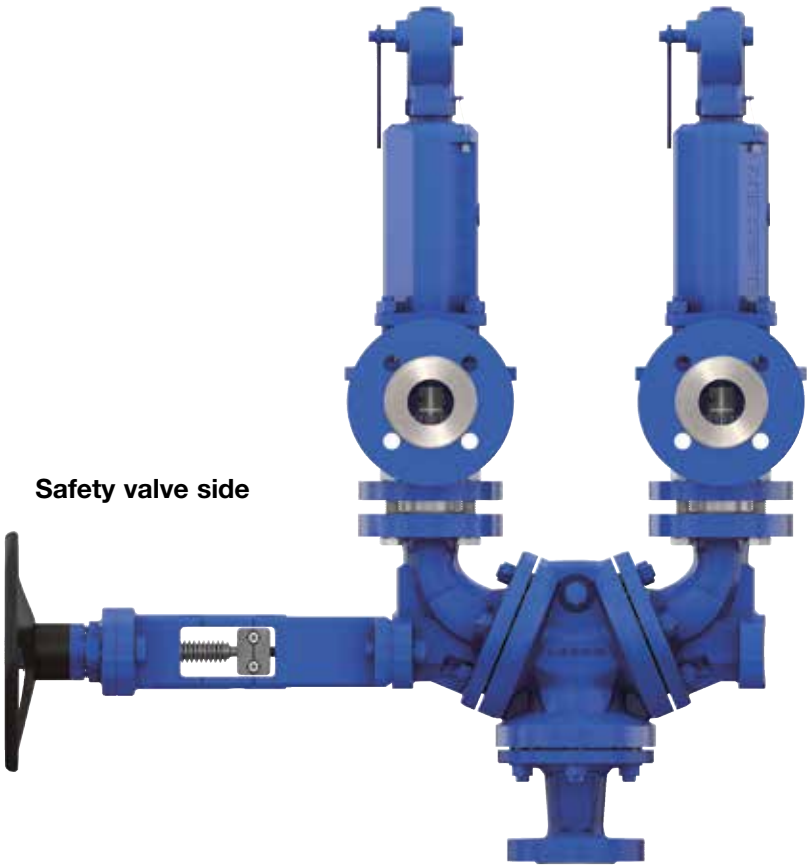
Applications

Change-over valves are used in various industries in order to

- ensure uninterrupted operation
- minimise safety risks due to unplanned shutdown periods.

These industries are

- Petrochemical industry
- Oil and gas industry
- Technical gasses
- Chemicals industry
- Refrigeration



Change-over valves are used to connect two safety valves with a pipe connection to a pressure system, in order to increase operational availability. One safety valve is in operation and one safety valve is on standby.

The standby safety valve can be disassembled and serviced, for example during running operation. The pressure system continues to be protected against impermissible pressure. This way, shutdown periods of the plant can be planned independent of the maintenance cycles of the safety valves.

LESER Change-over Valves – The advantages

Most economic solution

– flow-optimized design for minimal inlet pressure loss

– **Type 330 Compact** for standard requirements, **Type 320 Flow** for high requirements of inlet pressure loss

– variable inlet body on the piping side to adjust to existing piping nominal sizes and to reduce the inlet pressure loss

– smart coupling: standardized solution for lockable combination with change-over valves of different nominal size and pressure ratings with definite dimensions and precise pressure loss coefficients

Safe operation 24/7

– precise pressure loss coefficients for any configuration enable a reliable calculation of the inlet pressure loss

– simple and fail-safe switch-over

– robust and maintenance-free design

Fast availability

– short delivery times synchronised with the safety valves

– complete optimized combination from one supplier

General information
Type 330, Type 320

Two change-over valve types

Type 330 Compact
offers the solution for low-pressure loss requirements

Type 320 Flow
has an optimal flow path for highest pressure loss requirements

Both valve types are available as:
– single change-over valve
– inlet-side combination: A change-over valve is installed at the inlet of two safety valves
– lockable combination: One change-over valve is installed at the inlet and one at the outlet of two safety valves

When providing combinations, the connecting elements of change-over valve and safety valve are not included.

Design features

Valve sizes
DN 25 – DN 400 / NPS 1" – 16"

Pressure ratings
Type 330 Compact: PN 10 – PN 40 / CL150 – CL300
Type 320 Flow: PN 10 – PN 250 / CL150 – CL1500

Flange drillings
in accordance with DIN EN 1092 and ASME B16.5

Body materials

Type 330 / 320	Steel	Low-temperature steel	Stainless steel
acc. to DIN EN	1.0619	–	1.4408
acc. to ASME	WCB/WCC	LCB	CF8M

Other materials for special requirements available upon request.

Options
Change-over valves can be customised to the plant situation with a variety of options (see Pages 28 – 31), such as:
– Seal:
Fulfilment of tightness requirements according to TA Luft (”Technical Instructions on Air Quality Control“)
– NACE compliant design

Approvals
LESER Change-over Valves can be used worldwide and satisfy the regulatory requirements with the approvals in accordance with:

Technical regulations	Approval / designation
Pressure Equipment Directive PED 2014/68/EU	CE (except for DN 25)[1)]
EN 16668	
ASME B16.34	no approval required
TR-CU 010, TR-CU 032	EAC

[1)] Change-over valves with a nominal diameter of DN 25 and smaller are designed and manufactured with the sound engineering practices of Germany according to PED 2014/68/EU Article 4 paragraph 3 and may not bear the CE mark.