

Niezgodka GmbH



Safety-Valve, springloaded

for pressure container with steam, gases

Type 12

Type 12 has a type test approval and EC type approval. The area of use is in different tank container pressure containers that are used around the world in road, air and sea traffic to transport hazardous goods or foodstuffs. Because the safety valve has a very low build, it is also often used to secure against impermissible overpressure in tank cars. The low build is achieved by an internal pressure spring. In spite of the small construction size, the safety valve can discharge high output. The safety valve is connected to the boiler or pressure container wall by an adapter.

Approvals:

Pressure equipment directive: 97/23/EG

Declaration of conformity

Type test approval:

VdTÜV-leaflet AD 2000 leaflet A 2

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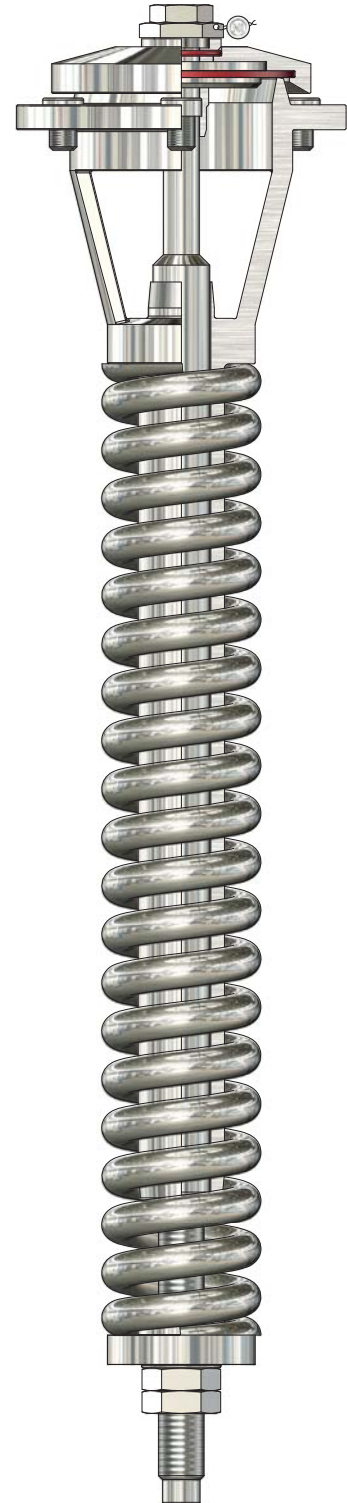


Technical data:

Material:	Inlet body
Type 12.1:	1.4308 / 1.4571, 1.4581
Nominal pressure:	PN 16
Connection size:	DN 80
Process connection:	Special flange
Seals:	FPM / PTFE-coated
Flow media:	Steam, gases
Temperature ranges:	-10°C to 150°C

Function:

Our type 12 may not look like a classic safety valve with entry body and spring cap, but it works just the same. When the pressure in the pressure container acting onto the disc from the bottom reaches the set pressure of the safety valve, the valve starts to open. Depending on volume flow, the safety valve will open slightly or entirely. At max. 10% pressure increase, the full stroke is reached. When the pressure in the pressure container drops again, the safety valve starts to close. No later than at 10% below the set pressure, the safety valve is completely closed again.



Cover hood ¹⁾

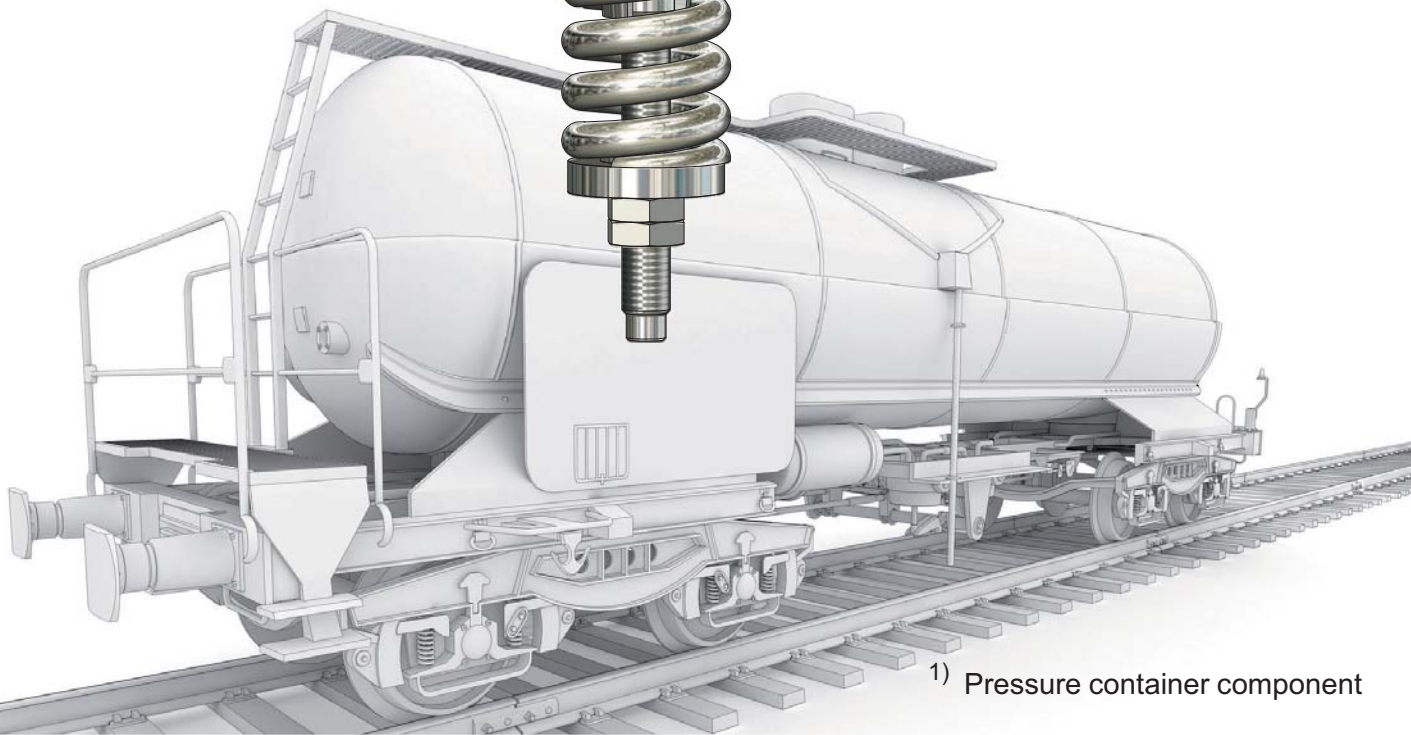
Disc, complete

Container flange ¹⁾

Seal

Spindle

Spring



¹⁾ Pressure container component

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