SMT

CONNECTABLE SAFETY RELIEF VALVE

The connectable safety relief device is a system equipped with a valve opening at the set up value to evacuate the over pressure build in the process.
They are compatible with our regulators and can be used on line. The outlet can be connected to a buffer tank when needed

APPLICATIONS

The safety relief device is ideally suited for pure inert, and corrosive gases in laboratory and all kind of industry

ADVANTAGES

- Small dimensions
- Delivered preset

BASIC MODELS

- Identification of the material used for the gaskets and seat
- Delivered with a PA flat seal for the AISI 303 version and a PTCFE for the 316L version
- Delivered with the user manual.

OPTIONS

- Different set up value.

Important
The safety relief device must be chosen in order that the pressure in the pipe must not exceed the calculated value even we the device is open.

tightness pressure (marked on body) bar	2	2.4	4	5	9	11	16	22	24	35	50	62
minimum flow for 2 x tightness pressure in m^3/h	2.7	2.8	8.5	7	8.3	17.5	19.8	21	26	24.3	49.5	60.3

STANDARD SPECIFICATION

Overall length	49 mm
Seat diameter	ø 3mm
Set up value	cf above chart
Inlet connection	ISO 228- G3/8- male
Outlet connection	Double ring fitting 6 mm (brass ferrules with AISI 303;and SS with AISI 316L)
Working temperature	- 20°C to + 50°C
Leak rate (internal/outside)	10-7 mbar.l.s at 1,013bar and 15°C
Materials	
• Body:	Stainless steel AISI 303 or 316L
• Valve	Brass EN 12164 for the AISI 303 body and AISI 316L for the SS body
• Spring	Stainless steel
• Seat and seals	EPDM, FKM or Kalrez
Models	**Gas**
Body in AISI 303 and EPDM seat	Ar, CO_2,CO,He,N_2,Air, Ne, Kr, Xe, C_2H_2
Body in AISI 316L and EPDM seat	Ar, CO_2,CO,He,N_2,Air, Ne, Kr, Xe, C_2H_2, NH_3, H_2
Body in AISI 316L and FKM seat	AR, He, N_2, Air, Ne, Kr, Xe,C_4H_{10},CH_4, Cl_2
Body in AISI 316L and Kalrez seat	Ar, CO_2,CO,He,N_2,Air, Ne, Kr, Xe, NH_3, C_4H_{10}, Cl_2, N_2O, O_2, C_2H_4, H_2, C_2H_2, Please consult us for other gases