



APPLICATION

Safety relief valve SVN-N is primary designed for installation on air storage vessels, although it can be equally efficient installed on all other gas vessels and installations.

DESIGN FEATURES

Safety relief valve SVN-N is type of valve with no end connections, so the relieved gas goes right in to the atmosphere. This should be kept in mind if installed in explosive atmosphere. It automatically opens and relief limited volume of gas, and automatically closes when pressure normalizes in the system it secures.

Safety valve SVN acts directly according to the developed force, as a result of gas pressure on the plate the set force of the spring is resisted. With the adequate increase of pressure, the seat is lifted up to max. 1/4 seat diameter and with this the exiting conduit is opened.

TESTING & CALIBRATION

EN ISO/IEC 17025 certified laboratory

APPLIED STANDARDS, CODES & DIRECTIVES

EN ISO 4126-1 "Safety devices for protection against excessive pressure. Safety valves"

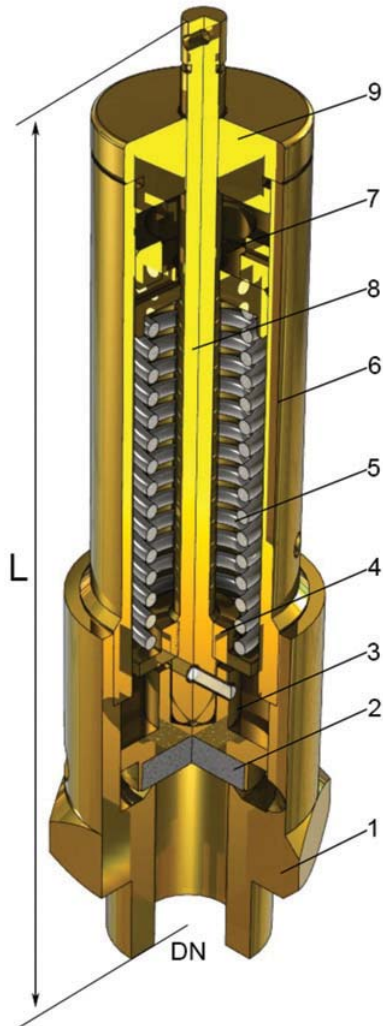
EN 12516-3 "Valves-Shell design strenght. Experimental method"

EN 13463-1 "Non-electrical equipment for use in potentially explosive atmospheres. Basic method and requirements"

EN 13463-5 "Non-electrical equipment for use in potentially explosive atmospheres. Protection by constructional safety 'c'"

94/9 EC (ATEX) "Equipment and protective systems intended for use in potentially explosive atmospheres"

97/23 EC (PED) "Pressure equipment directive"



DN	3/8" - 1 1/4"
PN	25
p	1 - 25 bar
t	-20°C / +90°C
acceptable media	all non-aggressive gases
connections	ISO 7-1, ANSI B1 20.1

Pos.	Part name	Material	Standard
1	Housing	CW614N	EN12164
2	Seal	NBR, FKM	
3	Plate	CW614N	EN12164
4	Spring plate	CW614N	EN12164
5	Spring	1.4301	EN10270-3
6	Spring housing	CW614N	EN12164
7	Adjusting screw	CW614N	EN12164
8	Spindle	1.4301	EN10088-3
9	Bonnet	CW614N	EN12164

CODE	DN	L (mm)	⊘	WEIGHT(kg)
030303	3/8"	73	20	0.18
030310	1/4"	73	20	0.18
030304	1/2"	107	30	0.55
030305	3/4"	107	32	0.6
030306	1"	199	50	3.6
030307	1 1/4"	199	50	3.6