

Safety valves

Safety valves are typically used for pressure control on heat generators in heating systems, on hot water storage units in hydraulic and domestic water systems, and in hydraulic systems. When it reaches the setting pressure, the valve opens through discharging into the atmosphere, prevents the pressure in the system from reaching dangerous levels.

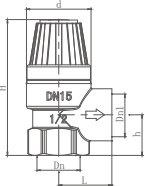
Technical features

setting pressure	1.5-2-2.5-3-6-7-8-9-10bar
max opening pressure	Pset+15%Pset
min closing pressure difference	Pset-15%Pset
thread standard	ISO 228/1
gauge connection	ISO 7/1

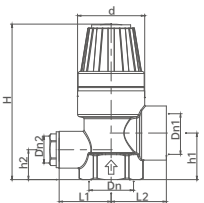
construction

body	CW617N/CW625N
diaphragm	EPDM
spring socket	PA66+GF30
spring	Carbon steel 82B
control knob	ABS

TS 211T



Code	Dn	Dn1	L	h	H	d
211T	1/2"	1/2"	25.5	19.5	65.5	Ø31
211T	3/4"	3/4"	27.5	24	75.5	Ø31
211T	3/4"	1"	36.8	34	88.5	Ø31

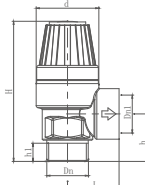


Code	Dn	Dn1	Dn2	h1	h2	L1	L2	H	d
213T	1/2"	1/2"	1/4"	21.5	14	24	25.5	71	Ø31
213T	3/4"	3/4"	1/4"	24.5	16.5	24	27.5	74.5	Ø31

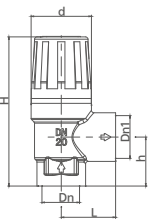


TS 213T

TS 212T



Code	Dn	Dn1	L	h	h1	H	d
212T	1/2"	1/2"	25.5	23.5	9	69.5	Ø31
212T	1/2"	3/4"	33	28	9	75	Ø31
212T	3/4"	3/4"	33	34	10	75	Ø31

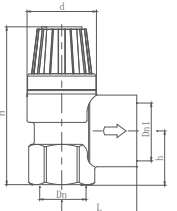


Code	Dn	Dn1	L	h	H	d
211-M	3/4"	3/4"	33.5	30	92	Ø37



TS 211-M

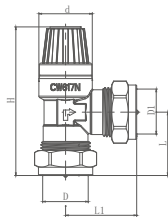
TS 211433T



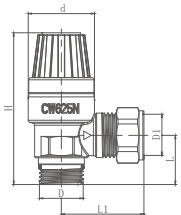
Code	Dn	Dn1	L	h	H	d
211433T	1/2"	3/4"	33.5	24	71	Ø31

Safety Valves

TS 168500



Code	Dn	Dn1	L	h	H	d
168500	Ø22	Ø22	37	41.5	86	Ø31



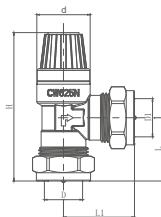
Code	Dn	Dn1	L	h	H	d
168000	1/2"	Ø15	23	39	71	Ø31



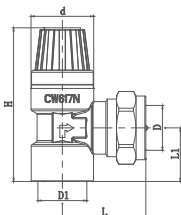
TS 168000



TS 168501



Code	Dn	Dn1	L	h	H	d
168501	Ø22	Ø22	37	41.5	86	Ø31



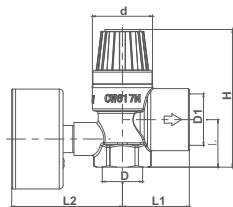
Code	Dn	Dn1	L	L1	H	d
168503	Ø22	3/4"	41.3	26.5	76	Ø31



TS 168503



TS 168800



Code	D	D1	L	L1	L2	H	d
168800	1/2"	3/4"	24.5	34.5	57	71	Ø31

Safety Groups

The safety groups are designed to perform the following functions: prevent the water pressure in the tanks from reaching dangerous levels, avoid hot water returning to the cold water circuit and contamination of the water in the storage tank with discharged water, isolating the indoor cold water network when it makes the installation and maintenance.

Technical features

setting pressure	1.5-2-2.5-3-6-7-8-9-10bar
max opening pressure	Pset+15%Pset
min closing pressure difference	Pset-15%Pset
thread standard	ISO 228/1
gauge connection	ISO 228/1

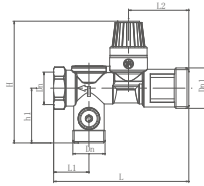
construction

body	CW617N/CW625N
diaphragm	EPDM
spring socket	PA66+GF30
spring	Carbon steel 82B
control knob	ABS/ PA66+GF30



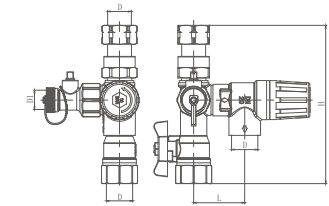
Combination Valves and Safety Groups

TS 7601



Code	Dn	Dn1	L1	L2	L	h1	H
7601	1/2"	1"	29	49.5	110	45	100
7601	3/4"	1"	29	49.5	110	45	100

TS 166004



Code	D	D1	L	H
166004	3/4"	1/2"	48.5	150

Combination valves

It is a combination system which integrates the valve and pipe connection. It supports the different connection form and angle, in order to fit customer' space demand and convenient for installation and maintenance.

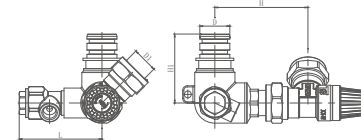
Technical features

max working pressure	10bar
thread standard	ISO 228/1
gauge connection	ISO 228/1

construction

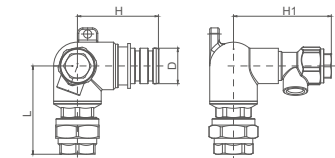
body	CW617N/CW625N
seal	EPDM
drain valve body	PA6

TS 166001



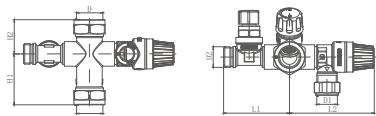
Code	D	D1	H1	L	H
166001	Ø26.1	Ø22	60	72	81

TS 167000



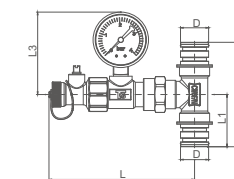
Code	D	H1	H	L
167000	Ø26.1	72	60	65

Code	D	D1	D2	L1	L2	H1	H2
166002	Ø22	Ø15	1/2"	67	86.5	51.5	34.5



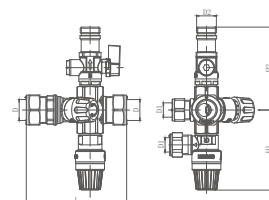
TS 166002

Code	D	L1	L2	L3	L
167001	Ø26.1	48.5	97	76.5	135



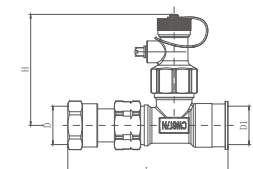
TS 167001

TS 166003



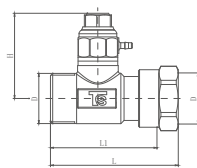
Code	D	D1	D2	H1	H2	L
166003	Ø22	Ø15	1/2"	85	88	106.5

TS 167002



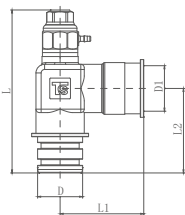
Code	D	H1	H	L
167002	3/4"	Ø26.4	76	110

Combination Valves and Safety Groups



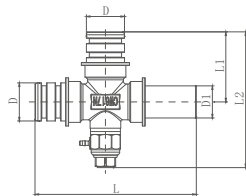
TS 167003

Code	D	H	L1	L
167003	3/4"	44	55	66



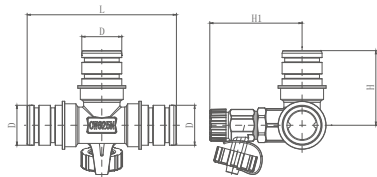
Code	D	D1	L1	L2	L
167004	Ø26.1	Ø26.4	48.5	49	94.5

TS 167004



TS 167005

Code	D	D1	L1	L2	L
167005	Ø26.1	Ø22	48	93	110.5



Code	D	H1	H	L
167006	Ø26.1	56	48	96.6
167006	Ø30.8	73	57.5	115

TS 167006