



Producto distribuido por

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Cryogenic Safety Relief Valve

Bronze

Nozzle 10 - 20 (3/8" - 3/4")

A range of high quality Bronze relief valves designed to comply with ISO 4126 (Safety Valves General Requirement), Ad-Merkblatt A2 (Safety Devices against Excess Pressure) and TUV requirements. They are eminently suited to the protection of static and road going cryogenic storage tanks against damaging over pressure.

There are three basic sizes, defined by the throat diameter and each is available with a variety of inlet and outlet connections.

The valve is designed and factory set to lift repeatedly within 2% of the set pressure and to reseal above 92% of set pressure. Spring pre-compression and blow down ring settings are sealed after test to inhibit unauthorized tampering.

Flow rates at 10% above set pressure.

All valves are degreased for oxygen duty, assembled in clean room conditions and pressure tested prior to dispatch.

Each valve is individually set and flow tested and then stamped with the date of manufacture and its own unique serial number prior to dispatch.

Maximum Working Pressure (MWP)

Subject to end connections

Up to 40 bar (580 psi) at -196°C to + 65°C

Technical

- Designed and engineered for use with Group 1 gases.
- Designed and manufactured to ISO 4126 (SVGR) ASTM B31.1, BS EN 1626
- Optional full material traceability backed by BS EN 10204 3.1/3.2 certification.

CE Marked according to the Pressure Equipment Directive

Materials

	Bronze
1. Body	Gunmetal BS EN 1982 CC491K
2. Seat	HT Brass BS EN 12164 CW721R
3. Adjusting Cap	Gunmetal BS EN 1982 CC491K
4. Disc (Nozzle 10)	Brass BS EN 12163 CW712R
Disc (Nozzle 15, 20)	Phosphor Bronze BS EN 12163 CW451R
5. Seal	PTFE TF7196
6. Blow Down Ring	Gunmetal BS EN 1982 CC491K
7. Spring	Stainless Steel 302 S26 BS2056
8. Weather Proof Cap	HT Brass BS EN 12164 CW721R

Specifications

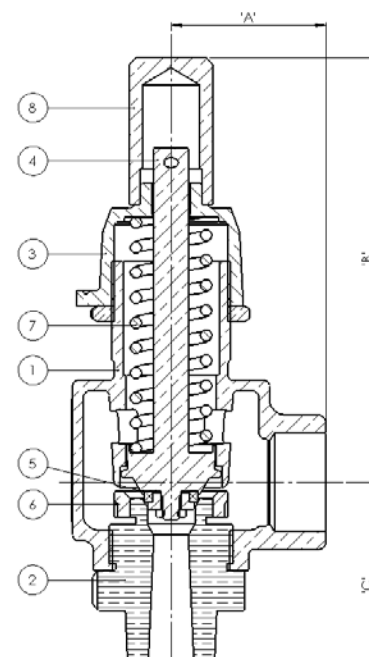
Size	Unit	DN10	DN15	DN20
A	mm	48	64	64
B	mm	130	133	133
C	mm	60	73	73
Weight	kg	1.5	3	3

Technical Data

Inlet Orifice Dia (mm)	Set Pressure Range (Bar)	Inlet Sizes (BSP/NPT)	Outlet Sizes (BSP/NPT)
11.4	1.7 - 40	1/2" or 3/4"	3/4" or 1"
14	1.7 - 40	3/4" or 1"	1 1/4"
20.50	1.7 - 30	1" or 1 1/4"	1 1/2" or 1 1/4"



Nozzle 15 Bronze Safety Relief Valve





Safety Relief Valve
Elbow



Safety Relief Valve
Inlet Adaptor, Elbow,
Downpipe & Coupling



Safety Relief Valve
Inlet Adaptor



Safety Relief Valve
Elbow, Downpipe &
Coupling

How to Order

The correct part number is easily derived from the following number sequence

Nozzle 10

CW	F	20	J	H	05	N00
Series	Type	Orifice Diameter	Inlet Connection	Outlet Connection	Pressure Range	Option
CW Cryogenic Safety Relief Valve	F Without Lever	20 11.40 mm	J 1/2" BSP-PL Male	H 3/4" BSP-PL Female	05 25-39 psi (1.7-2.7 bar)	N00 No Drain N1 Elbow N2 Inlet Adaptor Elbow, Downpipe & Coupling N3 Inlet Adaptor N4 Elbow, Downpipe & Coupling
	L With Lever		K 1/2" BSP-TR Male	J 3/4" BSP-TR Female	12 40-53 psi (2.8-3.6 bar)	
			L 1/2" NPT Male	K 3/4" NPT Female	17 54-79 psi (3.7-5.4 bar)	
			M 3/4" BSP-PL Male	L 1" BSP-PL Female	25 80-111 psi (5.5-7.6 bar)	
			N 3/4" BSP-PL Male c/w 60° Cone	M 1" BSP-PL Male c/w 60° Cone	32 112-148 psi (7.7-10.2 bar)	
			P 3/4" BSP-TR Male	N 1" BSP-TR Female	38 149-219 psi (10.3-15.1 bar)	
R 3/4" NPT Male	P 1" BSP-TR Male	48 220-289 psi (15.2-19.9 bar)				
			R 1" NPT Female	P 1" NPT Female	53 290-435 psi (20-30 bar)	
				R 1" NPT Female	63 420-580 psi (29-40 bar)	

Nozzle 15

CW	F	30	M	T	06	N00
Series	Type	Orifice Diameter	Inlet Connection	Outlet Connection	Pressure Range	Option
CW Cryogenic Safety Relief Valve	F Without Lever	30 14 mm	M 3/4" BSP-PL Male	T 1 1/4" BSP-PL Female	06 25-47 psi (1.7-3.2 bar)	N00 No Drain
			P 3/4" BSP-TR Male	U 1 1/4" BSP-TR Female	14 48-70 psi (3.3-4.8 bar)	
			R 3/4" NPT Male	V 1 1/4" BSP-NPT Female	22 71-112 psi (4.9-7.7 bar)	
			S 1" BSP-PL Male		34 113-156 psi (7.8-10.7 bar)	
			T 1" BSP-TR Male		39 157-225 psi (10.8-15.5 bar)	
			U 1" NPT Male		49 226-320 psi (15.6-22 bar)	
					57 321-435 psi (22.1-30 bar)	
					75 436-580 psi (30.1-40 bar)	

Nozzle 20

CW	F	40	T	T	04	N00
Series	Type	Orifice Diameter	Inlet Connection	Outlet Connection	Pressure Range	Option
CW Cryogenic Safety Relief Valve	F Without Lever	40 20.50 mm	T 1" BSP-TR Male	T 1 1/4" BSP-PL Female	04 25-34 psi (1.7-2.3 bar)	N00 No Drain
			U 1" NPT Male	U 1 1/4" BSP-TR Female	10 35-54 psi (2.4-3.7 bar)	
			V 1 1/4" BSP-PL Male	V 1 1/4" NPT Female	19 55-74 psi (3.8-5.1 bar)	
			W 1 1/4" BSP-TR Male	W 1 1/2" BSP-PL Female	24 75-109 psi (5.1-7.5 bar)	
			Y 1 1/4" NPT Male	Z 1 1/2" NPT Female	31 110-159 psi (7.6-10.9 bar)	
					41 160-229 psi (11-15.8 bar)	
					50 230-309 psi (15.9-21.3 bar)	
					56 310-435 psi (21.4-30 bar)	