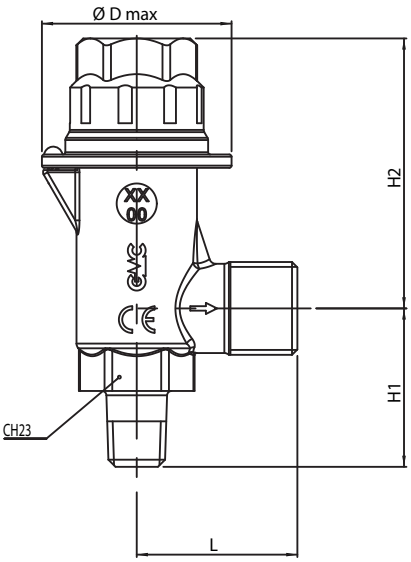
Type			SV1/24	SV1/34	SV2/44
Connections	Inlet male:		1/4"NPT	3/8"NPT	1/2"NPT
	Outlet male:		G1/2"	G1/2"	G1/2"
Flow diameter [mm]:			7,5	7,5	10
Maximum outlet diameter [mm]			14	14	14
Flow area "A" [mm2]:			44,2	44,2	78,5
Discharge coefficient Kd			0,950	0,950	0,605
Maximum lift [mm]			7	7	7
Maximum allowable pressure PS [bar]:			50		
Allowable temperature range TS [°C]:			-50 ÷ 150		
Set pressure range [bar]:			9 ÷ 45		
Overpressure			10% di Pset		
Dimensions		H1 [mm]	35,5	35,5	38,5
		H2 [mm]	60,5	60,5	60,5
		L [mm]	36	36	36
		ØD [mm]	42,5	42,5	42,5
Weight [g]			295	305	320
Pieces per box			32	32	32



SV1-2

GENERAL DESCRIPTION: The SV1 and SV2 types are safety devices as defined in Article 1, Point 2.1.3, 2nd dash of 97/23/EC Directive. They are subject of Article 3, point 1.4 of mentioned Directive. Their function is protecting the equipments such as evaporators, condensers, liquid accumulators, liquid receivers, oil separators, positive displacement compressors, heat-exchangers and simple unfired pressure vessels (ref. to Directive 87/404/CEE) from possible overpressures considering the operating conditions for which they have been designed. These products are unbalanced standard direct loaded, safety valves. Valve opens by the force of under pressure fluid on the surface of the obturator. At setting condition, when the force of pressure exceeds the opposing force of the spring the obturator will be opened.
Valves are identified by an alphanumerical coding that includes:
- in the first part the family identification e.g. SV1
- in the second part the type identity, that depends on the inlet and outlet connections; for example: /24
- in the third part, the set pressure of the valve, in bar, e.g.: T21.0
A full alphanumerical code is, for example: SV1/24T21.0
It is also possible to track down all valves by a progressive serial number.

CONSTRUCTION: The under pressure main parts of safety valves are made of the following materials:

BODY: squared, hot forged brass EN 12420 - CW 617N and subsequent machining (standard material adapted with directive 97/23/EC).

PLUGGING: obtained through brass UNI EN 12164 - CW614N bar machining, (standard of material as directive 97/23/EC); the Plugging seat gasket is made of P.T.F.E. (Polytetrafluorethylene).

SPRING: Compression cylindrical helical spring made of round wire; the material is in accordance with UNI EN 10270 -1 and the design is in accordance with UNI EN 13906 -1. The spring always ensures valve re-closing after pressure relief. The plugging is equipped with a mechanic lock and when it attains it, the spring set does not exceed 85% of the total set.