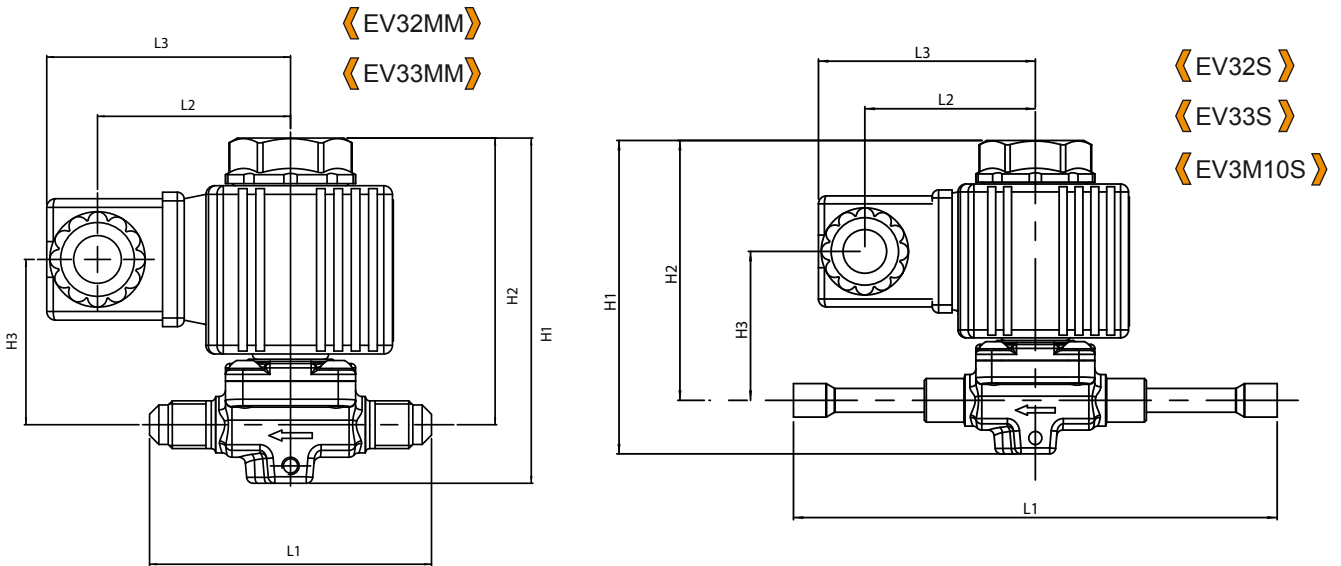


# SOLENOID VALVES normally closed



## dimensions and technical description

Type	Connections			Nominal seat size Ø [mm]	Kv [m³/h]	working principle	Operating Differential ΔP [bar]			TS [°C]		PS [bar]	Dimensions [mm]							Category 97/23/CE PED	
	SAE Flare	ODS					min OPD	MOPD		min	max		H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	Screw		
		[in.]	[mm]					9 W A.C.	20 W D.C.												
EV32MM	1/4"	-	-	3,3	0,26	Direct operation	0	-	-	-	-	-	79	66	39	122	-	-	-	M4	Art. 3.3
EV33MM	3/8"	-	-																		
EV32S	-	1/4"	-																		
EV33S	-	3/8"	-	10	1,65	Diaphragm pilot operating	0,05	25	18	-35	105	45	87	71	43	145	46	58	-	M5	Art. 3.3
EV3M10S	-	-	10																		
EV103MM	3/8"	-	-																		
EV103S	-	3/8"	-	12	2,50	Diaphragm pilot operating	0,05	-	-	-	-	-	100	80	53	190	-	-	-	M6	Art. 3.3
EV10M10S	-	-	10																		
EV104MM	1/2"	-	-																		
EV104S	-	1/2"	-	22	6,00	Diaphragm pilot operating	0,05	-	-	-	-	-	100	80	53	200	-	-	-	M6	Art. 3.3
EV10M12S	-	-	12																		
EV125MM	5/8"	-	-																		
EV125S	-	5/8"	-	22	6,00	Diaphragm pilot operating	0,05	-	-	-	-	-	100	80	53	220	-	-	-	M6	Art. 3.3
EV127S	-	7/8"	-																		
EV226S	-	3/4"	-																		
EV227S	-	7/8"	-	22	6,00	Diaphragm pilot operating	0,05	-	-	-	-	-	100	80	53	220	-	-	-	M6	Art. 3.3
EV229S	-	1.1/8"	-																		



**APPLICATIONS:** Solenoid valves are suitable for fluids of Group II, as defined in Article 9, Section 2.2 of Directive 97/23/EC, therefore not toxic, not inflammable and not explosive fluids; to this macro Group II belongs, also, the refrigerant fluids listed and classified L1 in Annex E of standard EN 378-1:2011 and are listed on annex E of mentioned standard.

**CONSTRUCTION:** The body and the cover are manufactured by hot-forged brass EN 12420 -CW617N and the welding connections (for ODS type), are made by copper tube EN 12735-1-Cu-DHP. The spring of plunger are made of austenitic stainless steel AISI 302 and the enclosure of the armature is made of austenitic stainless steel AISI 305 - 1.4303; The ferritic stainless steel AISI 430F of armature, the chloroprene gasket between body and cover and the EPDM O-rings disposed under and over the coil, ensure an effective protection of the valve from oxidant agents.

Type	REFRIGERATION FLOW CAPACITY kW											
	Liquid				Vapour				Hot Gas			
	R134a	R22 R410A	R404A R507	R407C	R134a	R22 R410A	R404A R507	R407C	R134a	R22 R410A	R404A R507	R407C
EV32MM												
EV33MM												
EV32S	4,81	5,20	3,37	4,89	-	-	-	-	2,41	1,93	1,93	2,34
EV33S												
EV3M10S												
EV103MM												
EV103S	30,66	33,17	23,19	31,19	3,73	2,69	3,39	3,44	15,20	12,07	12,42	14,75
EV10M10S												
EV104MM												
EV104S	40,87	44,23	30,92	41,58	4,98	3,59	4,52	4,59	20,26	16,09	16,56	19,66
EV10M12S												
EV125MM												
EV125S	46,44	50,29	35,10	47,27	5,67	4,04	5,10	5,22	23,08	18,27	18,85	22,38
EV127S												
EV226S												
EV227S	110,23	120,87	84,41	113,00	9,56	13,72	12,04	12,50	43,29	55,05	44,62	53,49
EV229S												

Refrigerant flow capacity referred to the following operating conditions::

Evaporating temperature: -10°C

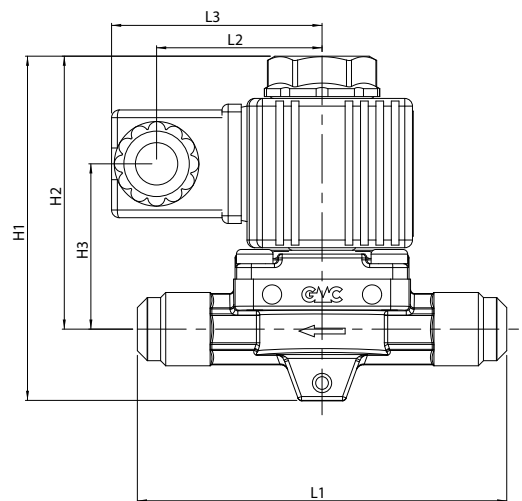
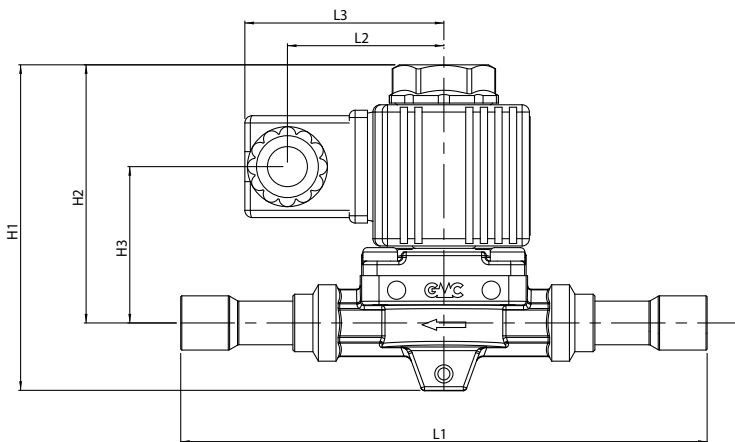
Upstream liquid temperature +25°C

Pressure drop  $\Delta p=0,15$  bar

For hot gas:

Condensing temperature +40

Pressure drop  $\Delta p=0,8$  bar



- 《EV103S》
- 《EV125S》
- 《EV229S》
- 《EV10M10S》
- 《EV127S》
- 《EV104S》
- 《EV226S》
- 《EV10M12S》
- 《EV227S》

- 《EV103MM》
- 《EV104MM》
- 《EV125MM》