Copper Tube Welded Electric Expansion Valve S6130 Series

NORMALLY CLOSED
2 WAY
DIRECT ACTING





COOLING

GENERAL FEATURES

- This solenoid valve is an electrically operated expansion valve designed for refrigeration plant.
- Wide pressure rangre flow rate and orifis options.
- Solenoid valfs are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation, coil be used in a vertical position.
- Coil sholud be preferred in vertical up position.
- The solenoid valve consists of an automatic control element and is used in the passage of cold fluid in cooling systems, widely pressure groups, central air conditoners, cold air tanks and bus air conditioning system.
- It has its own internal filter.

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85) B
Coil Impregnation	: Polyester Fiber Glass
Coil Outer Body Material	: Fiber Glass Reinfarced
Ambient Temperature	: -20°C, +60°C
Protection Degree	: IP68
Electric Plug Connection	: 3-poles connectors (DN 43650)
Elecrical Safety	: IEC 335
Standard Voltage	: AC 230V 20 VA
Voltage Tolerance	: ±10%

On request; connector with LED
Specify coil voltage with order.

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel
Sealing	: Viton
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

On request Atex (exproof) coil.

TECHNICAL FEATURES

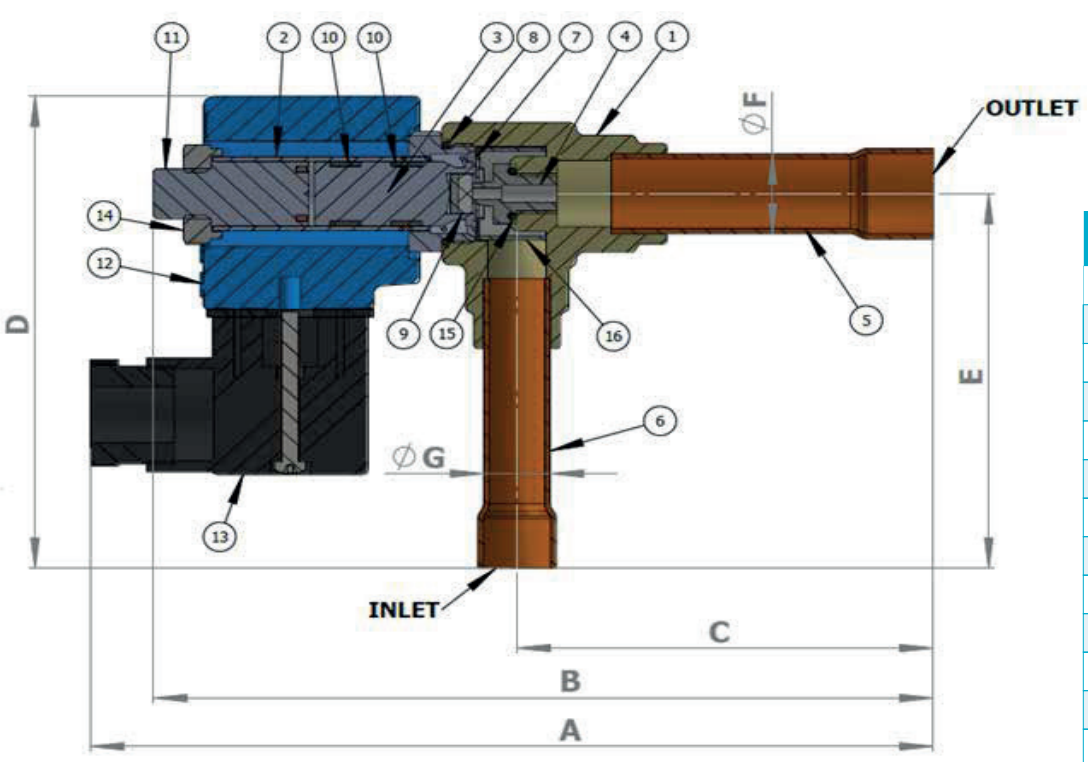
Cooling	: CFC. HCFC. HFC
Refrigerants	: R744, R22/R407C, R404A/R507, R410A, R134a, R407A, R23, R407F, R422B, R422D, R448A, R449A, R449B, R450A, R452A, R513A.
Fluid Temperature	: -60°C to +160°C
Ambient Temperature	: -50°C to +50°C
Connection	: Solder

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SEAL FEATURES

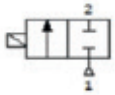
Viton: -60°C / +160°C





No	Part Name	Qtty
1	body	1
2	core tube	1
3	core	1
4	orifice	1
5	outlet tube	1
6	inlet tube	1
7	core spring	1
8	o-ring	1
9	gasket	2
10	guiding element	1
11	fixed core	1
12	coil	1
13	socket	1
14	coil nut	1
15	o-ring	1
16	filter	1

Dimension							
Product Code	A	B	C	D	E	F	G
S613002-002	152	140	75	86,5	67	12	10
S613002-001	141	131	64	83,5	64	10	10
S613003-001	152	140,5	75	94,5	75	16	12

Solenoid Valve Symbol	Valf Type / Order No	Connection Size ODF x ODF	Orifice Size	Pressure		Maximum Operation Pressure Differential MOPD	"Evoporating Temperature"	Kv	Seal	Weight
				Min	Max					
	S6130	mm	mm	bar	bar	bar	°C	m3/h	VITON	kg
	S613002-002	10x12	0,6	0	90	35	-60 to +60	0.016	✓	0,375
	S613002-001	10x10	0,8	0	28	18	-50 to +60	0.025	✓	0,375
	S613003-001	12x16	2,3	0	90	18	-60 to +60	0.185	✓	0,45

STANDARTS

• TORK solenoid valves 97/23/EC, are available for pressure equipment directive(PED) and 2006/95/ECC low voltage directive (LVD).