

DATA SHEET

COPPER FITTINGS FOR REFRIGERATION

DESCRIPTION

The main purpose of this product is the connection between pipes to a threaded element or equipment.

APPLICATIONS


Basically designed for refrigeration. It can have other applications, like plumbing, heating, solar energy, natural gas and LPG installations, thermal installations, gasoil networks and petrol. However, please ask our technical department before giving a different application for which they have been designed.

STANDARDS

These fittings are manufactured according to ASME B16.22-2011.

SECURITY COEFFICIENT

The security coefficient in relation to the maximum working pressure in $S = 3$ (maximum pressure x 3). Please see in the following table:

		MAXIMUM WORKING PRESSURE FOR COPPER ACCESSORIES (ASME/ANSI B16.22)				
		Welding material	Working temperature °C	1/4" - 1-1/8" Kg/cm ²	1-3/8" - 2-1/8" Kg/cm ²	2-5/8" - 4-1/8" Kg/cm ²
It does not comply with ROHS regulation by contain lead	Soft solder alloy Solder temperature 290°C	Sn50 Alloy 50-50 Sn-Pb Solder	38	13,75	12,05	10,3
			66	10,3	8,6	6,85
			93	6,85	6,2	5,15
			121	5,85	5,15	3,4
	Soft solder alloy Solder temperature 250°C	Sb5 Alloy 95-5 Sn-Sb Solder	38	75,4	58,8	48,8
			66	43,15	33,65	27,9
			93	35	27,3	22,65
			121	18,85	14,75	12,2
It does not comply with ROHS regulation by contain lead	Brazing alloy silver based alloy (Ag.) (low silver content 25-35%)	Alloy E	38	49,05	38,25	31,75
			66	32,75	25,5	21,15
			93	25,95	20,25	16,8
			121	22,3	17,35	14,4
	Brazing alloy silver based alloy (Ag.) (high silver content 45-65%)	Alloy HB	38	71,35	55,6	46,15
			66	49,05	38,25	31,75
			93	30,45	23,75	19,7
			121	29,7	23,15	19,2

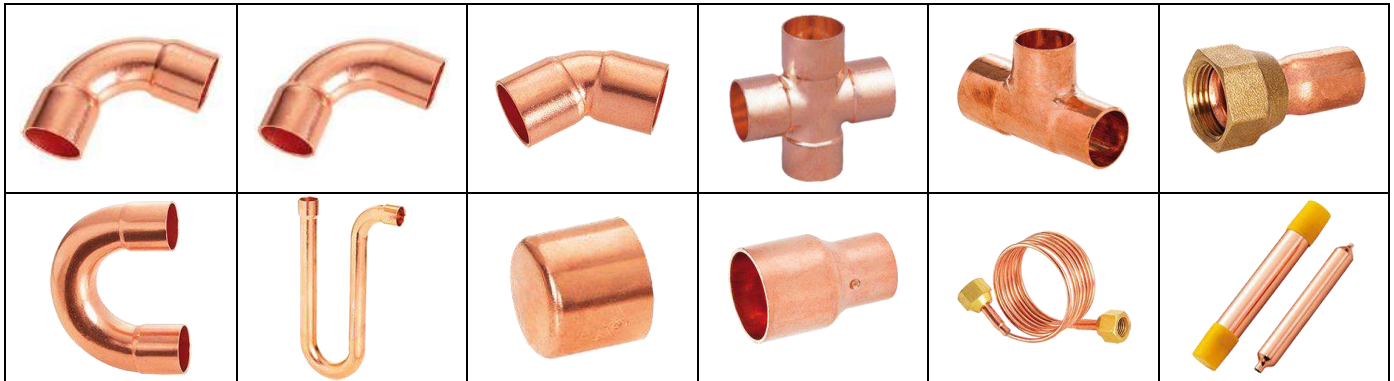


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CONNECTIONS

Please see different sizes and types in our catalogue www.hecapo.es



ASSEMBLY INSTRUCTIONS

Make sure there is no leakage in any of the connecting parts of this accessory with the pipe and the connected element or equipment.

Check that all the connection is free of tensions, traction, twisting, flexion, compression or shear. In case of installations that can suffer vibrations, be sure to incorporate the elements so that these vibrations are not transmitted to the pipe or to this tap connector. If the installation can suffer contractions and expansions, please incorporate the elements so that these are compensated.

Choose the optimum accessory according to the size of the installation pipe and its flow rate.

Use the types of welding materials (if necessary) indicated by the standards required in each application.

The sealing systems must be conformed to the scope of application and following the rules or regulations for each territory.

In case of any doubt or special application, please contact our technical department.

