RAYFLOW™ PAIR COIL

AIR ADDITIONS Air Conditioning Supplies

Pair Coil - Insulated Copper Tubes / Pipes

Technical Specification Sheet

Pair Coil - Insulated Copper Tubes / Pipes Range of Products

Features

- Easily fits through tight spaces without damaging insulation
- Convenient 20m coils
- Now marked in 1 metre increments
- Tube insulation is manufactured from cross-linked, foamed, closed cell polyethylene film
- The exterior embossed polyethylene film contains additive to improve UV protection
- Insulation is heat resistant to 120ºC
- All sizes are suitable for R410A and other high pressure refrigerants - identifiable by pink end caps

Benefits

- Manufactured to Australia / New Zealand standard AS/NZ 1571
- Exterior insulation is stronger and more resistant to abrasion than traditional materials
- Ozone friendly. Suitable for the new R410A and CO^2 Ozone friendly refrigerant
- Easy installation. No glue, no tape, no messy powder

Usage

- Split System Air Conditioners
- General Air Conditioning and Refrigeration Installations

Stock Sizes

PC0609 (06 x 09)
PC0612 (06 x 12)
PC0615 (06 x 15)
PC0915 (09 x 15)
PC1020 (10 x 20)

Explanation of Part Number Structure

Product Group	Size (A x B)
Pair Coil	06mm (1/4") x 09mm (3/8")
PC	0609
PC0609	

RAYFLOW™ PAIR COIL 10 10 10 day turnaround* 10 year quality guarantee* GUARANTEE

*Refer web site for details

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Product Dimensions

STANDARD SIZE (INCH)						
PART NO.	SIZE D2 x T2 / D1 x T1	O.D.OF THE TUBE D1 + D2 = D3	THICKNESS OF INSULATOR	LENGTH	TUBE SIZES	WEIGHT (KG)
PC0609	6.3 x 0.81mm 9.5 x 0.81mm	25.9 + 22.1 = 48.0mm	9mm 5mm	20m	20m 1/4" & 3/8"	6.9
PC0612	6.3 x 0.81mm 12.7 x 0.81mm	33.0 + 22.1 = 55.1mm	10mm 5mm	20m	20m 1/4" & 1/2"	8.5
PC0615	6.3 x 0.81mm 15.9 x 1.00mm	36.1 + 22.1 = 58.2mm	10mm 5mm	20m	20m 1/4" & 5/8"	13.1
PC0915	9.5 x .81mm 15.9 x 1.00mm	36.1 + 25.9 = 62.0mm	10mm 5mm	20m	20m 3/8" & 5/8"	14.2
PC1020	9.5 x 0.81mm 19.1 x 1.14mm	39.1 + 25.9 = 65.0mm	10mm 5mm	20m	20m 3/8" x 3/4"	16.9

CAUTION:
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Performance Data – Pair Coil - Insulated Copper Tubes Pipes

REFRIGERANT SATURATED VAPOUR PRESSURE (KPA)					
REFRIGERANT TYPE	50˚C	55˚C	60˚C	65˚C	70˚C
R22	1855	2095	2345	2592	2895
R134a	1234	1383	1571	1789	2016
R404A	2224	2503	2805	3093	-
R407C	1777	2025	2297	2595	-
R410A*	2945	3308	3702	4131	-
R507A	1977	2215	2475	2865	3090

**Change in flaring dimension for R410A. For details refer to air conditioner manufacturers specifications*

Recommended maximum operating temperatures is 65°C and in accordance with AS1677. A/C manufacturers' operating and installation instructions should be consulted.

NATURE OF HEAT INSULATOR			
TEST	UNIT	OUTSIDE OF INSULATOR	INSIDE OF INSULATOR
TENSILE STRENGTH	N/mm [kg/cm²]	31.5x10 [3.2]	29.5x10 [3.0]
ELONGATION	%	70	100
COMPRESSION STRAIN	% (25%)	3.4	6
WATER-ABSORBING CAPACITY	G²	0.003	0.008
CONDUCTIVITY FACTOR	W/(m k) [kcal/m²h°C]	0.040[0.035]	0.038 [0.033]
TEMPERATURE OF HEAT RESISTING	°C	-40°~120°	-40°~120°

Technical Drawing of Insulation