

PLANT COMPOSITION:

	AR200CN	It consists : - No. 1 2.5 m ² solar collector - Solar water heater 200lt natural circulation - Flat roof/sloping roof frame for 1 collector - Hydraulic connection kit - Supplementary electrical resistance
	AR300CN	It consists : - No. 2 solar collectors of 2.0 m ² - Solar cylinder 300lt natural circulation - Flat roof/sloping roof frame for 1 collector - Hydraulic connection kit - Supplementary electrical resistance

SELECTION GUIDE: NATURAL CIRCULATION SOLUTIONS

Natural circulation solar solutions		AR200CN	AR300CN
	Type of natural circulation solution	Solution with 1 collector and 200 litre storage tank Universal installation flat and pitched roofs	Solution with 2 collectors and 300 litre storage tank Universal installation on flat and pitched roofs
	Needs covered geographical area	North - Central North 	
		South - Central South 	
	Number and type of collectors	 1 x 2.5 m ² solar collector	 No. 2 solar collectors of 2.0 m ²
	System		

TECHNICAL DATA	AR200CN	AR300CN
NOMINAL OPERATING PRESSURE	10bar	10bar
AREA OF REFERENCE	2.5m ²	2*2m ²
GLASS THICKNESS	3.2mm	3.2mm
GLASS GASKET	EPDM	EPDM
SOLAR TRANSMITTANCE	92%	92%
ABSORBER MATERIAL	Blue cladding	Blue cladding
ABSORPTION	95%	95%
DIMENSION	2000*1250*80mm	2000*1250*80mm*2
TANK DIMENSIONS	Ø520mm*1580mm	Ø520mm*1580mm
TANK WEIGHT	90kg	160kg
INNER TANK LINING	Certified Enamel	Certified Enamel
INNER TANK DIAMETER/THICKNESS	φ426/2.5±0.1mm	φ480/2.5±0.1mm
TANK INSULATION	Polyurethane / 50mm	Polyurethane / 50mm
EXTERNAL TANK MATERIAL	Painted Steel	Painted Steel
EXTERNAL TANK DIAMETER/THICKNESS	φ520/0.4mm	φ580/0.4mm
BRACKET MATERIAL/THICKNESS	Galvanised sheet metal/1.5 mm	Galvanised sheet metal/1.5 mm
BRACKET INCLINATION	18-35°	18-35°
VALVE TEMP./PRESSURE TP	85°C / 6bar	85°C / 6bar
ELECTRIC HEATING	2000W	2000W

VESUVIO 24 CONDENSING BOILER AND AR200CN 2.5M² SYSTEM AND 200LT NATURAL CIRCULATION BOILER