

Product Name :
Vapour Jet Compressor In Refrigeration

Product Code :
DM116



Description :

Vapour Jet Compressor In Refrigeration

Technical Specification :

Vapour Jet Compressor In Refrigeration
Investigation of a vapour jet compressor
Refrigeration circuit with condenser, evaporator and vapour jet compressor for refrigerant
Vapour circuit with pump and vapour generator for operating the vapour jet compressor
Transparent tank with water-cooled pipe coil as condenser
Water supply with water chiller to ensure a water temperature of 14°C
Transparent tank with adjustable heater as evaporator
Flooded evaporator with float valve as expansion element
Vapour generator with heated water jacket (electrically)
Refrigerant r1233zd, GWP: 1
Software for data acquisition via usb under windows 10

Technical data:

Vapour jet compressor
Convergent-divergent nozzle: 1,7mm
Mixing jet: 7mm
Condenser
Tank: 3,5L
Pipe coil area: 0,17m²
Evaporator

Tank: 3,5l
Heater power: 4x 125w
Vapour generator
Refrigerant tank: 0,75L
Water jacket: 9L
Heater power: 2kw
Pump
Flow rate: 1,7L/min
Head: 70mws
Refrigerant: R1233zd, GWP: 1, filling volume: 5kg, CO2-equivalent: 0t
Measuring ranges
Temperature: 12x -20...100°C
Pressure: 2x 0...10bar; 2x -1...9bar
Flow rate: 2x 0...1,5L/min, 1x 30...320L/h
Power: 1x 0...750W, 1x 0...3kW
230V, 50Hz, 1 phase

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