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Product Name :
Vapour Jet Compressor In Refrigeration Engineering

Product Code :
LBNY-0005-103000120



Description :

Measurement of amperage and voltage to determine the power at the evaporator
Investigation of a vapour jet compressor
Vapour circuit with pump and vapour generator for operating the vapour jet compressor
Vapour generator with electrically heated water jacket
Transparent tank with water-cooled pipe coil as condenser
Flooded evaporator with float valve as expansion element
Transparent tank with adjustable heater as evaporator
Refrigeration circuit with condenser, evaporator and vapour jet compressor for refrigerant.

Technical Specification :

Technical Data:

Vapour jet compressor
Dmin mixing jet: approx. 7mm
Dmin convergent-divergent nozzle: Approx. 1,7mm
Condenser
Pipe coil area: approx. 0,17m
Tank: approx. 3,5L
Evaporator
Heater power: 4x 125W
Tank: approx. 3,5L
Vapour generator
Water jacket: approx. 9L

Refrigerant tank: approx. 0,75L
Heater power: 2kW
Pump
Max. head: approx. 70mWS
Max. flow rate: approx. 1,7L/min
Measuring ranges
Voltage: 0...230VAC
Current: 0...2,5A
Pressure: 2x 0...10bar / 2x -1...1,5bar
Flow rate (cooling water): 6...75g/s
Temperature: 10x -20...200C.



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