OSC 77FD240TH Multi Heat Exchanger

<Features>

-The apparatur is used for studying of three types of heat exchangers namely-concentric tube, shell and tube and plate-under parallel or counter flow conditions

-The unit consists of the three heat exchangerr, a hot water tank with a transfer pump, instruments for monitoring and contorol

-Changing from parallel to counter flow or from one type of heat exchanger to another is simply done by rearranging flexible hoses with quick couplings

Photograph inclueds optional equipment

<Typical Experiments>

-Study of heat transfer for concentric tube, shell and tube or plate heat exchanger

-Study of heat transfer under parallel or counter flow at various flow rates and temperature differences

-Heat transfer coefficient at various rates of flow and temperature difference

<Specifications>

Model	OSC 77FD 240TH
Heat exchangers	Concentric tube : Stainless steel outer and inner tubes, heat transfer area approx. 600cm2
	Shell and tube : Stainless steel shell and 7 inner tubes, heat transfer area approx. 600cm2
	Plate : Stainless steel multiple plates, heat transfer area approx. 600cm2
	Flexible hose : 4 ea
Temperature sensors	4 ea for hot and cool water inlets and outlets
	2 ea for hot and cool water mid section of the concentric tube
	1 ea for hot water tank
A service module	A hot water pump
	A hot stainless steel water tank with a level switch to prevent heater operation if level is too low
	Heater : 3000W
	2 sets of temperature indicator with selector switch
	Temperature control unit to limit temperature of hot water to not more than 80℃
	Flow meters : Hot water 0.4 to 4L/m, Cold water 1 to 7L/m
Power supply	220V 1Ph 50Hz. Other power supply is available on request
Size（WxLxH）	Approx. 650 x 1500 x 650 mm
Weight	Approx. 75kg

<Optional Accessories>

010TH   Flow sensor and indicator

015TH   Alanog to digital signal converter with software for data display by computer

240-060TH   Computer control

In this case, instead of the temperature indicators, a human machine interface (HMI) unit or acomputer, input/output module, contol motors for flow adjautment and software are provided

Flow rate and temperature data are displayed and controlled by the HMI or the computer