FADAK LAB EQUIPMENTS

CRE-8 CONTINUOUS STIRRED TANK REACTOR

DESCRIPTION C.S.T.R is a reactor in which the content are well stirred and uniform throughout . Thus exit stream from this reactor has the same composition as the fluid within the reactor. We can refer also mixed type reactor

RANGE OF EXPERIMENTS :

1. Study of Continuous stirred tank reactor.
2. To calculate the reaction rate constant k for given reaction in Continuous stirred tank reactor the sturdy MS stand with powder coated.

EXPERIMENTAL SETUP :

Reactor	:	Material Stainless steel (SS) ,
Flow Measurement	:	2 No. Pre calibrated Rota meter
Feed Tank	:	2 No. of stainless steel feed tank
Feed Circulation	:	By Compressed Air
Pressure Regulator	:	0-2 kgf / cm^2
Pressure Gauge	:	Bourdon type 0 – 2 kgf / cm2
Piping	:	SS , PVC
Setup Mounting	:	On sturdy MS stand with powder coated

CHEMICALS REQUIRED : NaOH, Ethyl Acetate ,HCL , Phenolphthalein indicator , Distilled water

SERVICE REQUIRED : Air Supply : @ 6 CFM at 4 Kg /cm^2
Water Supply : @ 2 lpm
Power Supply : 230 V, 50 Hz, A.C.

SPACE REQUIRED : 1.5 m. (L) x 1.0 m (W) X 1.5 m (H).

WEIGHT : @ 55 Kg

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