

Wiped Film Evaporator

Pilot Plants-Process Engineering Systems-Technical Teaching Equipment

We are distinguished as the most admired enterprises in this industry, offering a broad gamut of Glass Wiped Film Evaporator.

Wiped Film Evaporator is ideally suited to process Hard -to - handle, heat sensitive and Viscous materials. These are just some of the many and varies products that are processed by WFEs.

PHARMACEUTICALS-Amino Acids, Alkaloids ,Ascorbic Acid, Biochemical , Penicillin ,Vitamin C and E, Steroid Derivatives

CHEMICALS Acid Chlorides -Amino Acids-Caprolactum

POLYMERS &RESINS-Epoxy resins, latex ,synthetic rubber ,polystyrene , phenolic resins , silicone polymers

FOOD-Tomato paste ,fruit Nectars ,chicken stock ,fish protein ,vanillin ,corn syrup, whey ,fruit juices , lecithin , marigold extract

FATS & OIL-Cotton seed oil, Dimer and trimer Acids, Edible Oils ,Fatty Acids , glycerides, glycerin ,rosin acids ,fatty amides

OTHER-Coal tar products ,Lube oils ,PTA , Catalyst concentration

This film evaporator is designed using quality assured material and progressive technology. Offered film evaporator can be modified in numerous technical specifications.



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Salient Features - ROLLER WIPER SYSTEM

The roller wiped film system guarantees a uniform, laminar mixing of the thin film on the entire evaporator surface. Due to overlapping of the rollers and wiping on the unheated areas, so-called "dead-zones" are avoided. At the same time, the liquid thin film on the rollers is continuously renewed. This results in a very low residence time of the evaporating feed on the evaporator surface. Build-up or caking of material on the evaporator surface and on the rollers, which might happen with other wiping systems, is completely avoided with the UD designed roller wiped film system



All contact Parts are Glass and PTFE to ensure minimum corrosion and degradation

Designed to carry out distillation at high vacuum

Efficient condenser to condense all the vapors at high vacuum

All Flameproof Electricals and Instrumentation

Can be scaled up to 1.14 sq. mt and (larger on request) 2 Heat transfer area in Glass shell and PTFE Version

SCADA Operating System-optional



	ATFE 301	ATFE 302	ATFE 401	ATFE 402	ATFE 601	ATFE 602	ATFE 901	ATFE 902	ATFE 1201	ATFE 1202
Evaporator Surface Area ,M2	0.18	0.38	0.22	0.47	0.33	0.71	0.49	1.06	0.66	1.41
Total height, MM	3500	4300	3500	4300	3700	4500	3800	4600	3800	4700
Additional Required Height (Disassembling and mounting Wiper Basket)	1000	1600	1000	1600	1000	1600	1000	1600	1000	1600
Evaporator Inner Diameter, MM	80	80	100	100	150	150	225	225	300	300