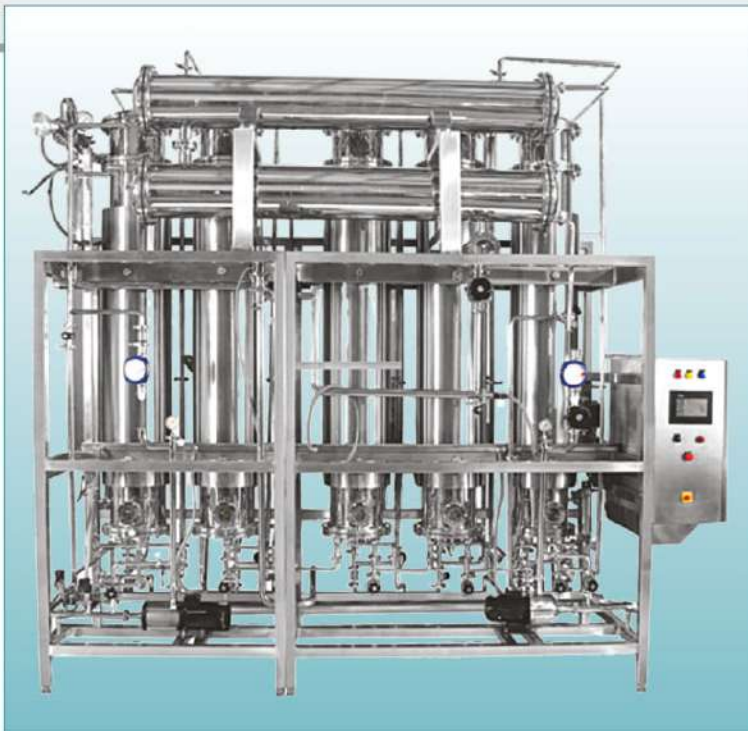


Multicolumn

Distillation Plant



Uses Superior three-punch entertainment technology for producing sterile, pyrogen free USP grade WFI for manufacture of critical sterile dosage forms.

- **OPTIONAL FEATURES**
- Fully Automatic Plant supplied with boiler steam, cooling water flow rate & feed water flow rate
- All pipes & tubes are as per ASME & BPE stamping with less than 0.5 Ra
- Double tube sheet for all pre heaters & both top coolers
- Magnetic Float Switch is provided for Surge Tank to control Water i.e., High level & Low Level
- Air Eliminator is provided for removing toxic gases

DESCRIPTION

Multi Column Distillation Plant is a key system for cGMP Standard. MCDP is the perfect solution for high purity sterile pyrogen free distill water. The vapour with high velocity & under pressure passes over a 'SPECIALLYDESIGNED SPIRAL BAFFLE' System which develops tremendous centrifugal force & thus eliminates any chances of pyrogens in the carry over vapours. It is available in capacities from 50 Ltrs/Hr. The Water for injection (WFI) produced from MCDP is according to FINN AQUA Design & it is low maintenance & low operational costs.

SALIENT FEATURES

- 'All Contact Parts are in AISI 316/AISI SS 316L
- To assure WFI quality & increase the life of equipment Inner Contact Surfaces are electro polished
- Double Tube Sheets is constructed in the first column where boiler steam is present
- Sanitary Tricolor fittings are used for quick & easy preventive maintenance
- All pipes & Tubes are seamless & gaskets made from PTFE material
- PLC based system for automated operation with all required inter locks & validated logic with skid mounted AISI SS 304 control panel with printing facility

Technical Specification

Model	No. Of Columns	Industrial Steam A3 Bar Pressure				Industrial Steam At 8 Bar Pressure				Approx. Dimensions (mm) L x W x H	EST. WT. Kg
		Capacity	Supply Steam	Cooling Water	Feed Water	Capacity	Supply Steam	Cooling Water	Feed Water		
		Ltrs/Hr.	Kg/Hr.	Ltrs/Hr.	Ltrs/Hr.	Ltrs/Hr.	Kg/Hr.	Ltrs/Hr.	Ltrs/Hr.		
J / M - 80	4	80	40	120	90	145	70	180	165	1400 x 900 x 2050	350
J / M - 150	4	150	48	180	175	285	85	350	330	2100 x 1300 x 2600	800
J / M - 300	4	300	97	365	545	570	170	700	1000	2100 x 1300 x 2600	900
J / M - 500	5	500	130	605	575	920	275	1130	1060	2800 x 1300 x 3200	1250
J / M - 1000	5	1000	238	1265	1150	1920	575	2350	2210	3300 x 1600 x 3250	2000
J / M - 2000	6	2000	440	900	2300	3835	1150	4720	4410	4400 x 1650 x 3800	3400
J / M - 3000	6	3000	660	650	3450	5500	1650	6770	6325	4900 x 1800 x 4300	6800

