

COMPANY PROFILE

S. S. ENGINEERING is in the field of Manufacturing & Exporting of Chemical Processing equipments for the past three decades providing innovative & cost effective solutions to the Machinery & Equipment needs of various industries viz.

- **BULK DRUGS**
- **PLASTICS**
- **FOOD PROCESSING**
- **POLYMERS**
- **CHEMICALS**
- **ADHESIVES & COATINGS**



Our product range includes

- **REACTION VESSEL (JACKETED & LIMPET)**
- **HEAT EXCHANGERS (CONDENSOR)**
- **STORAGE TANKS**
- **MIXERS**
- **BLENDERS**
- **FILTERS**
- **EVAPORATORS**
- **DRYERS (DRUM DRYERS)**
- **CENTRIFUGES (HYDRO EXTRACTOR)**
- **DISTILLATION PLANTS**
- **DISTEMPER PAINT PLANT**

We undertake turnkey project for

BULK DRUG PLANT, POLYESTER RESIN PLANT, PHENOL FORMALDEHYDE RESIN PLANT, DISTEMPER PAINT PLANT, CATIONIC BITUMEN EMULSION PLANT, PVA/ALKYD RESIN PLANT

We also undertake development of various equipments as per Customers drawings, design and or Specifications.

We have full fledged production set-up comprising of Pyramid type Plate & Pipe Bending machines, Coil forming Hydraulic Press, Center Lathes, Drill, Air Plasma, TIG/MIG Welding Rectifiers, Hydraulic Testing Machine etc.

We have good teams of qualified production personnel comprising of qualified X-ray welders, fitters, engineers, working under quality conscious skilled supervisor.

We assure timely execution of work entrusted to us maintaining optimum quality of workmanship giving reliable and trouble free performance of the Machines manufactured by us.

HORIZONTAL PLATE FILTER PRESS SPARKLER FILTER

SPARKLER FILTER

Filter press is used for clear filtration of Pharmaceuticals, Chemicals, Beverages, Food , Varnish ,Resin and other industries

We Manufacture Filters in S.S. 304/ 316/ 316 L quality carbon steel internal with rubber lining. S.S.Engineering Horizontal Plate Filters gives Optimum recovery of Product with Quick change of Cartridge in totally enclosed system ensuring Low operating cost in various sizes viz. 8", 14",18",24" & 33". Filter press are also available with jacket arrangement for hot filtration.



TECHNICAL DATA:

Dia of Plates	No. of Plates	Filter Area M2	Cake Space (Lit)	Flow Rate Lit/hr
8"	6	0.18	3.6	450
8"	8	0.24	4.8	550
8"	12	0.36	7.2	750
14"	8	0.75	22.5	1600
14"	10	0.93	27.9	2000
14"	12	1.12	33.6	2300
14"	16	1.5	45.0	2700
18"	10	1.5	30.0	3000
18"	15	2.3	46.0	4500
18"	23	3.5	70.0	7000
18"	30	4.5	90.0	8500
18"	36	5.4	108.0	9500

Out Put mentioned is in terms of Water type liquid having sp. gr. 1.0

Filter Operation:

The liquid to be filtered is pumped into the FILTER TANK by Gear Pump . A CARTRIDGE PLATE ASSEMBLY consists of several filter plates arranged with supporting SCREENS, FILTER MEDIA and interlocking CUPS, is fitted in the filter tank. The liquid in the tank finds its way to the top of the plates through the circular openings on the side of the plates. The Filter media arrests suspensions and allows the filtrate to pass through them and the screens and to run down the central vertical channel formed by the interlocking cups. It then goes out through the outlet pipe. The filtrate is collected from the outlet pipe.