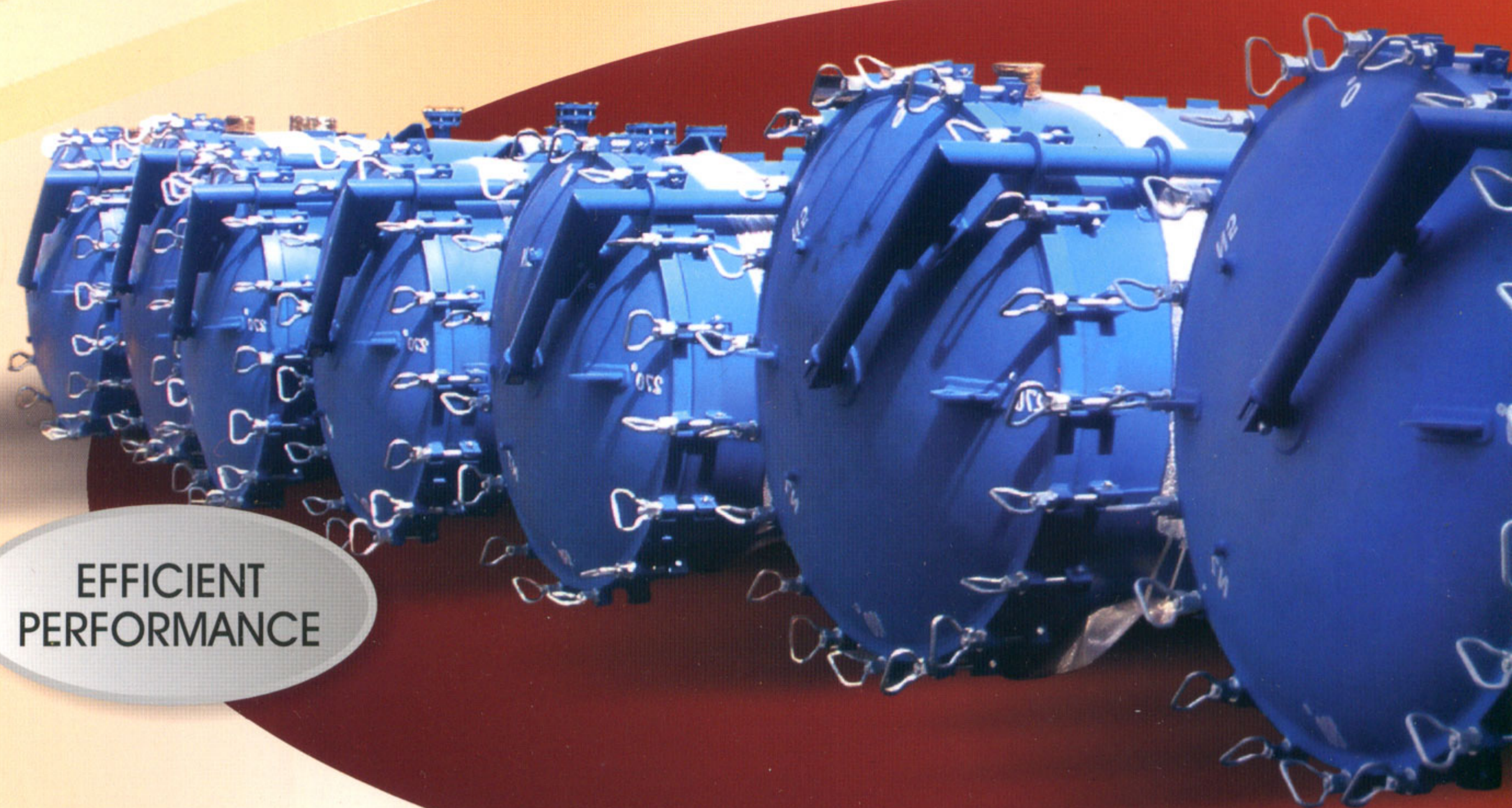




VERTICAL

PRESSURE LEAF FILTER



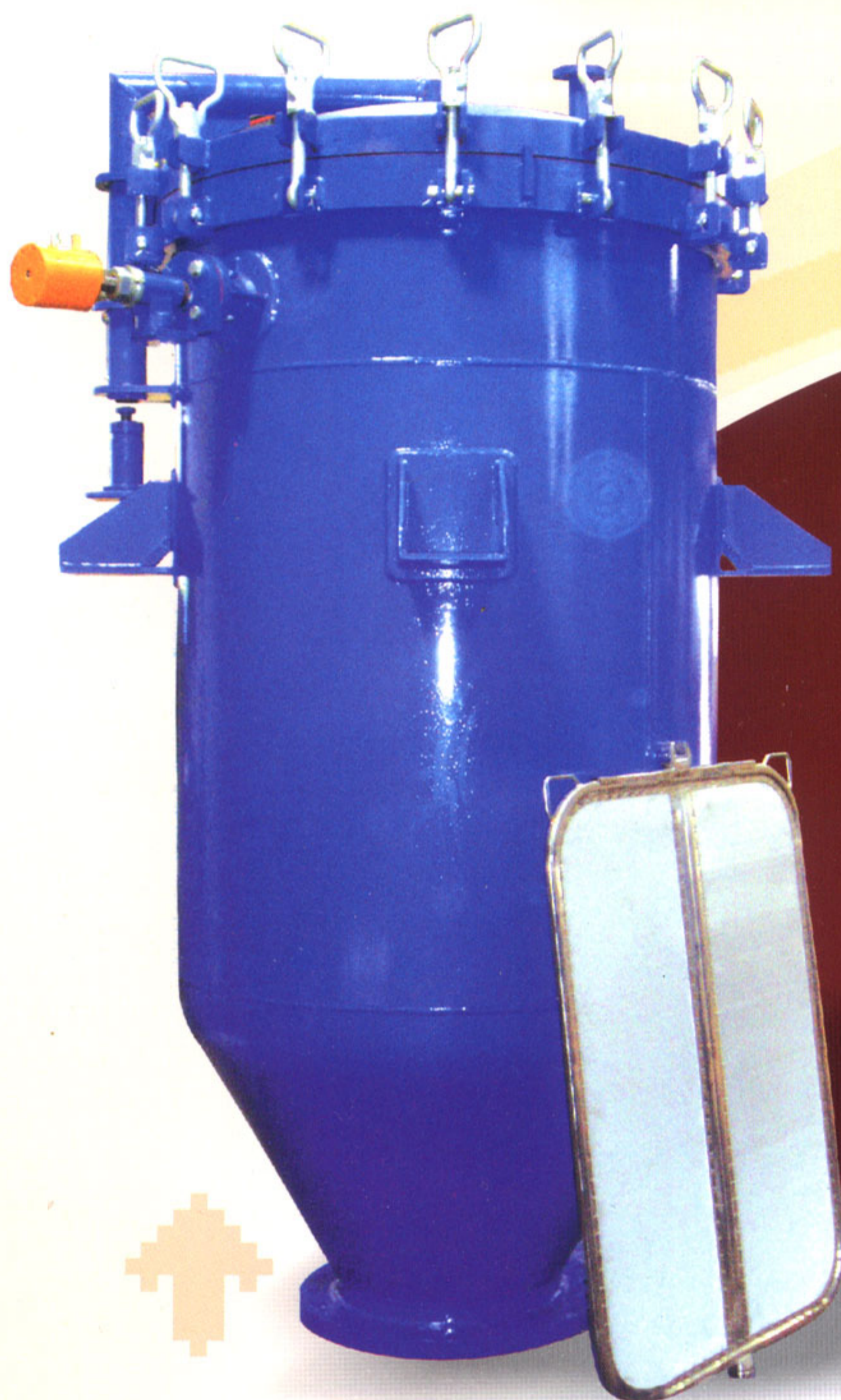
EFFICIENT
PERFORMANCE

SHARPLEX FILTERS (INDIA) PVT. LTD.



VERTICAL

PRESSURE LEAF FILTER



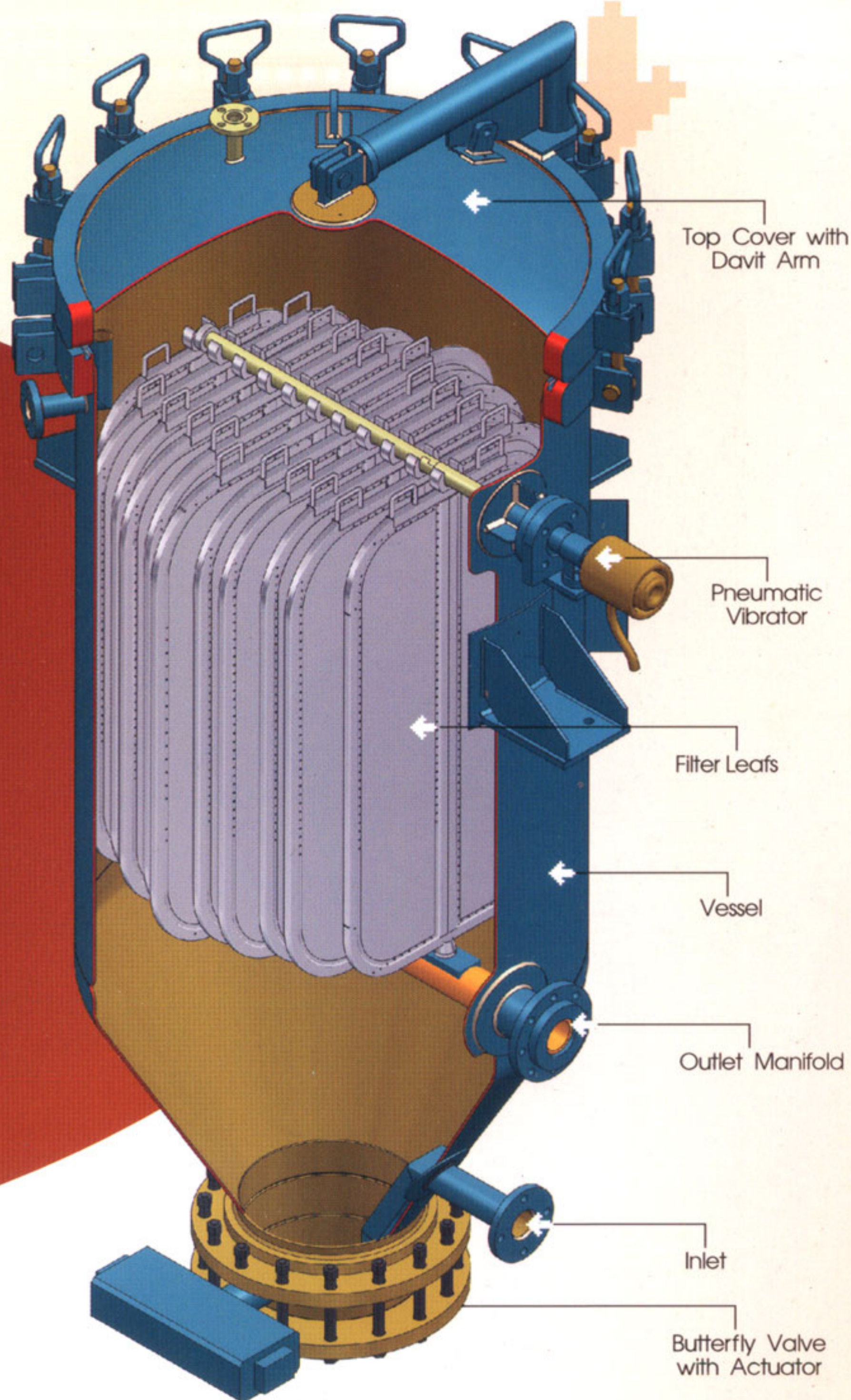
- → Automatic discharge of cake
- → Saving of oil / Moisture in cake
- → Dry or wet cake discharge possible
- → No requirement of filter cloth
- → Butterfly valve or wedge lock closing at bottom with or without heel leaf
- → Higher Filtration rate
- → Less installation area
- → Fixed or oscillating sluicing for wet cake discharge

CAPACITY
1m² to 125m²



Sharplex vertical pressure leaf filter features vertical pressure vessel, vertically placed filter leafs, pneumatic vibrating assembly, manifold and butterfly valve with actuator. Filters are designed as per ASME, AD Merkblatter DIN, Tema.

Material of Construction : Stainless steel, carbon steel with rubber, PP, PVDF lining, Monel, Inconel, etc. Leafs in stainless steel 304, 316, 316L, 904L and material as per requirement. 'O' ring sealings are available in BUNA-N, Viton, EPDM, Nitrile, Silicon, HNBR etc. Filtration areas from 1m² to 125m² can be supplied. Dry or wet cake discharge is possible.





VERTICAL

PRESSURE LEAF FILTER

APPLICATIONS

- → Bleaching Earth/
Activated Carbon
- → Resins
- → Crude oil
- → Molten Sulphur
- → Ni-catalyst
- → Glucose
- → Fatty acid
- → Brine
- → Winterisation
- → Electrolyte
- → Sugar Syrup



Vertical pressure leaf filter
with sluicing arrangement



Butterfly valve with rotary
pneumatic actuator

MODELS & SPECIFICATIONS

Sr No.	Model SFV	FILTER AREA (M2)	LEAF SPACING (M2)	CAKE VOLUME (liters)	Empty Weights (Kg)
1	SFV/480/920/2/5	2	70	50	200
2	SFV/790/920/5/5	5	70	125	700
3	SFV/900/920/8/7	8	70	200	850
4	SFV/900/920/10/9	10	70	250	850
5	SFV/900/920/12.5/11	12.5	70	310	850
6	SFV/800/1500/15/9	15	75	375	500
7	SFV/1100/1250/15/9	15	70	375	800
8	SFV/1100/1250/20/11	20	70	500	800
9	SFV/1220/1250/25/11	25	70	625	1050
10	SFV/1220/1250/30/15	30	70	750	1050
11	SFV/1380/1350/35/13	35	75	875	2000
12	SFV/1380/1350/38.5/15	38.5	75	950	2000
13	SFV/1500/1500/42/13	42	75	1050	2100
14	SFV/1500/1500/46/15	46	75	1150	2100
15	SFV/1500/1500/50/17	50	75	1250	2100
16	SFV/1500/1650/60/17	60	75	1500	2500
17	SFV/1650/1500/70/19	70	75	1750	2150
18	SFV/1650/1800/70/16	70	75	1750	2150
19	SFV/1650/1800/78/18	78	75	1950	2150
20	SFV/1850/1800/85/16	85	75	2125	2900
21	SFV/1850/1800/90/18	90	75	2250	2900
22	SFV/1850/1800/100/20	100	75	2500	2900
23	SFV/2000/1800/120/22	120	75	2875	5000
24	SFV/2000/1800/125/24	125	75	3125	5000

INSTALLATIONS



Installation in edible oil plant



Installation in chemical plant



Installation in edible oil plant





VERTICAL

PRESSURE LEAF FILTER

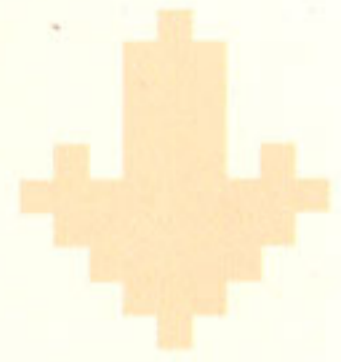
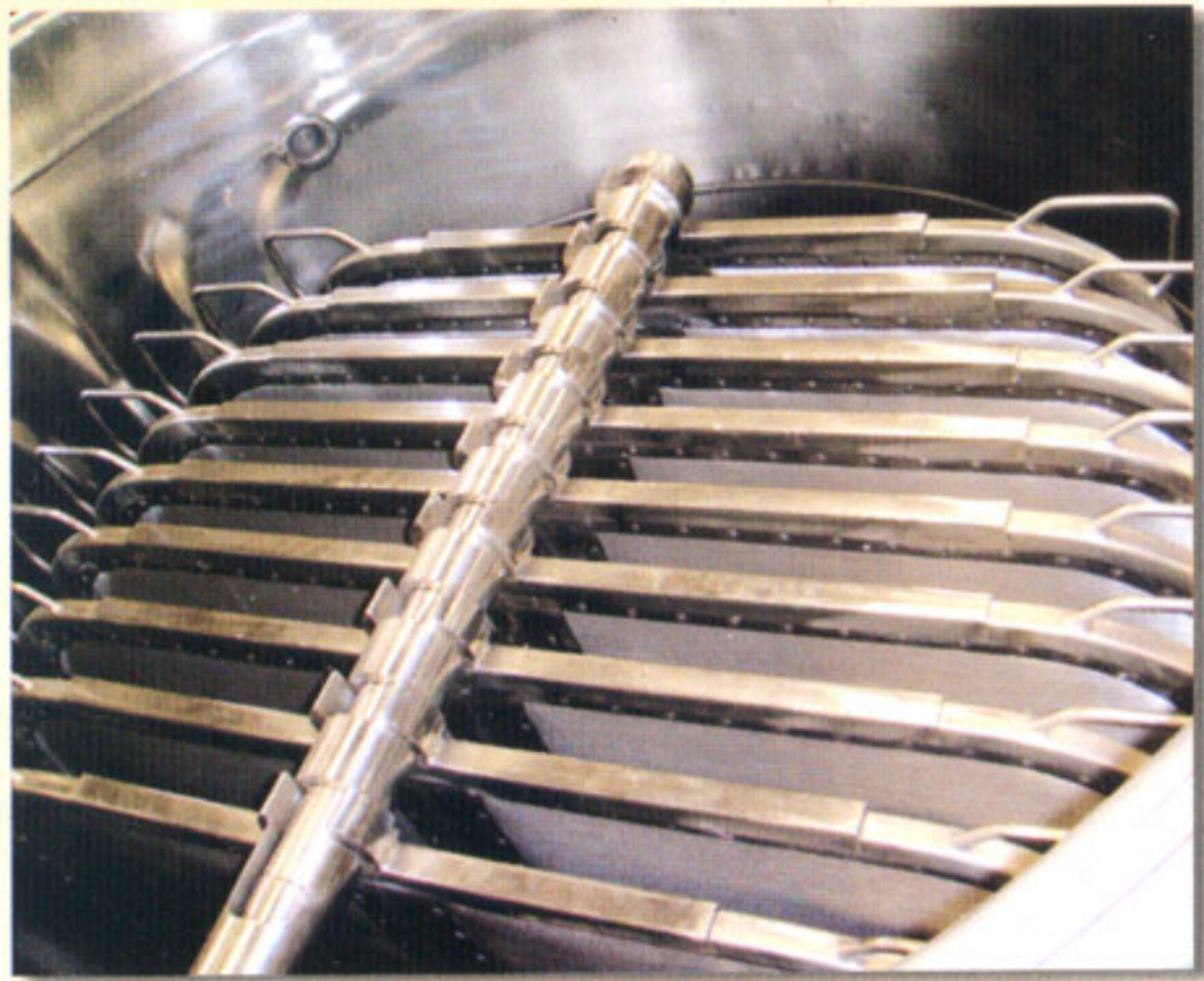


FILTER LEAFS

THE HEART of pressure leaf filter

Filter Leafs are manufactured in house in Sharplex. The keyhole channel (frame) of filter leaf is also in house manufactured in CNC machine. Leafs are riveted on automatic riveting machine with 3 layers or 5 layers design. The filtration meshes used are of higher thickness to give extra rigidity to filter elements. The leafs are manufactured in SS304, SS316L, SS904L, Titanium, Monel etc. The top mesh used can be dutch woven mesh 24 x110, 60 mesh or PZ80. Leafs also can be enveloped with filter cloths for fine filtration. Leafs are manufactured under strict quality control to give you an highest quality product. Remeshing also carried out at our premises with latest techniques.

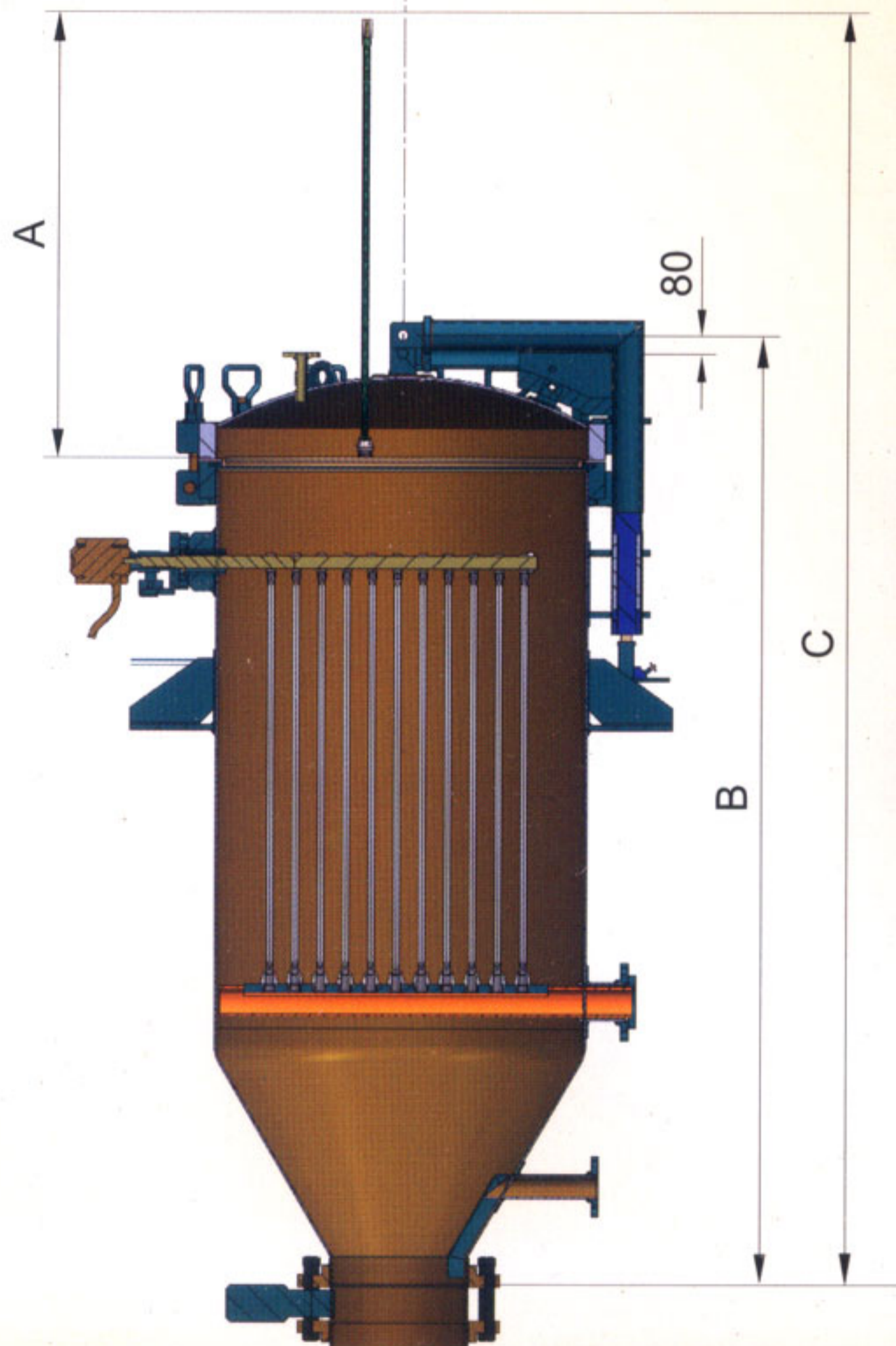
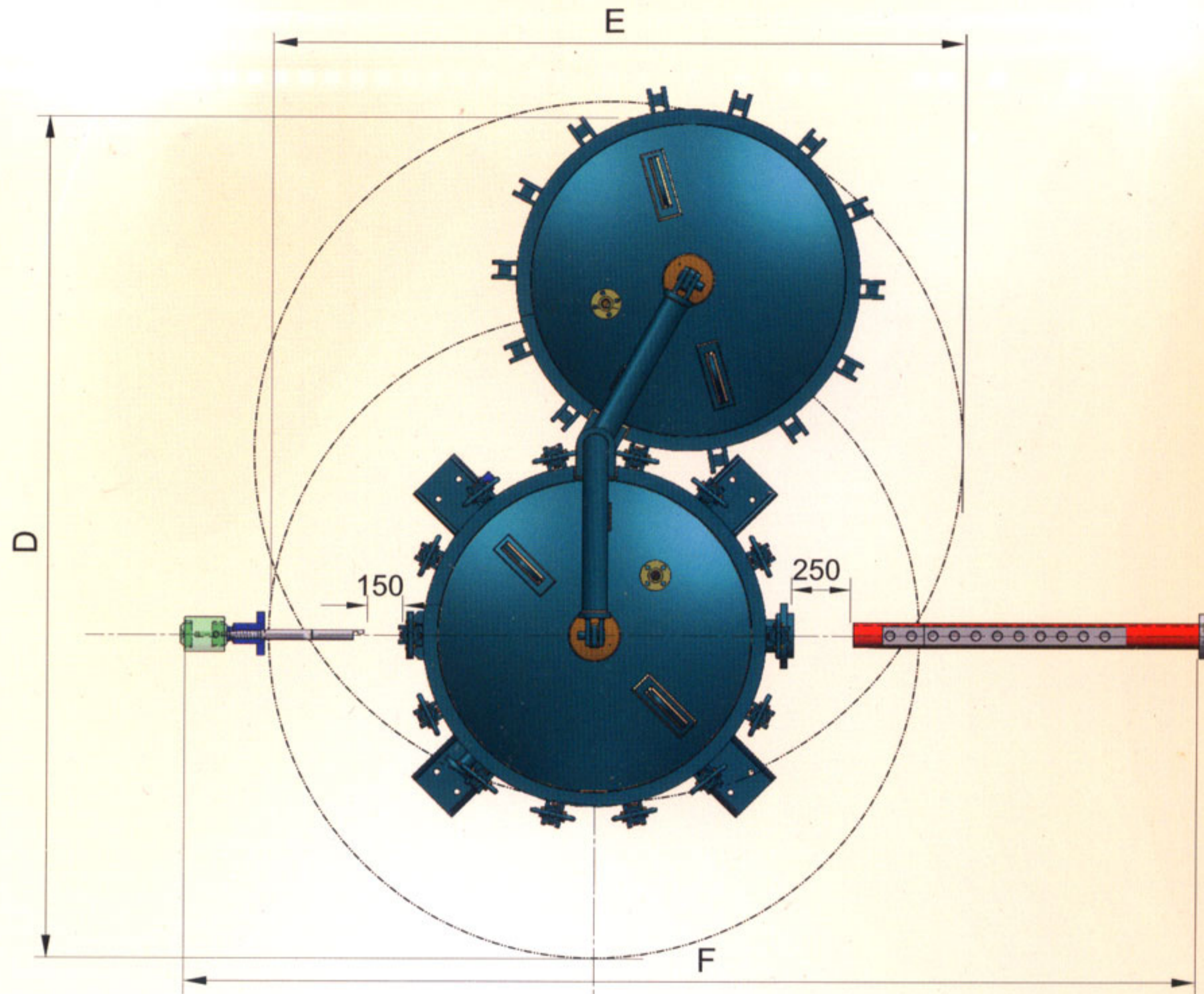






VERTICAL

PRESSURE LEAF FILTER



- A Head Room
- B Vessel height with davit arm(mm)
- C Total height of vessel including lifting of leaves from vessel
- D & E Floor space
- F Horizontal length after extension of vibrator bar and drainage manifold

TECHNICAL SPECIFICATIONS

Sr No.	Model SFV	FILTER AREA (m ²)	A	B	C	D	E	F
1	SFV/480/920/2/5	2	1350	2050	3150	1090	1600	2350
2	SFV/790/920/5/5	5	1390	2175	3150	2208	1600	3015
3	SFV/900/920/8/7	8	1450	2350	3150	2470	1970	3110
4	SFV/900/920/10/9	10	1450	2350	3150	2470	1970	3110
5	SFV/900/920/12.5/11	12.5	1450	2350	3150	2470	1970	3110
6	SFV/800/1500/15/9	15	1975	2780	4460	2470	1970	3035
7	SFV/1100/1250/15/9	15	1750	2700	4110	2810	1285	3560
8	SFV/1100/1250/20/11	20	1750	2700	4110	2810	1285	3560
9	SFV/1220/1250/25/11	25	1875	2930	4350	3030	2300	3855
10	SFV/1220/1250/30/15	30	1875	2930	4350	3030	2300	3855
11	SFV/1380/1350/35/13	35	1890	3150	4580	3620	2866	4150
12	SFV/1380/1350/38.5/15	38.5	1890	3150	4580	3620	2866	4150
13	SFV/1500/1500/42/13	42	2050	3295	4950	3590	2915	4425
14	SFV/1500/1500/46/15	46	2050	3295	4950	3590	2915	4425
15	SFV/1500/1500/50/17	50	2050	3295	4950	3590	2915	4425
16	SFV/1500/1650/60/17	60	2200	3295	4950	3590	2915	4425
17	SFV/1650/1500/70/19	70	2470	3425	5400	3950	3140	4725
18	SFV/1650/1800/70/16	70	2470	3425	5400	3950	3140	4725
19	SFV/1650/1800/78/18	78	2470	3425	5400	3950	3140	4725
20	SFV/1850/1800/85/16	85	2500	4175	6135	4260	3710	5100
21	SFV/1850/1800/90/18	90	2500	4175	6135	4260	3710	5100
22	SFV/1850/1800/100/20	100	2500	4175	4175	4260	3710	5100
23	SFV/2000/1800/120/22	120	2500	4460	4460	4565	3790	5610
24	SFV/2000/1800/125/24	125	2500	4460	4460	4565	3790	5610

(Above is for typical orientation)

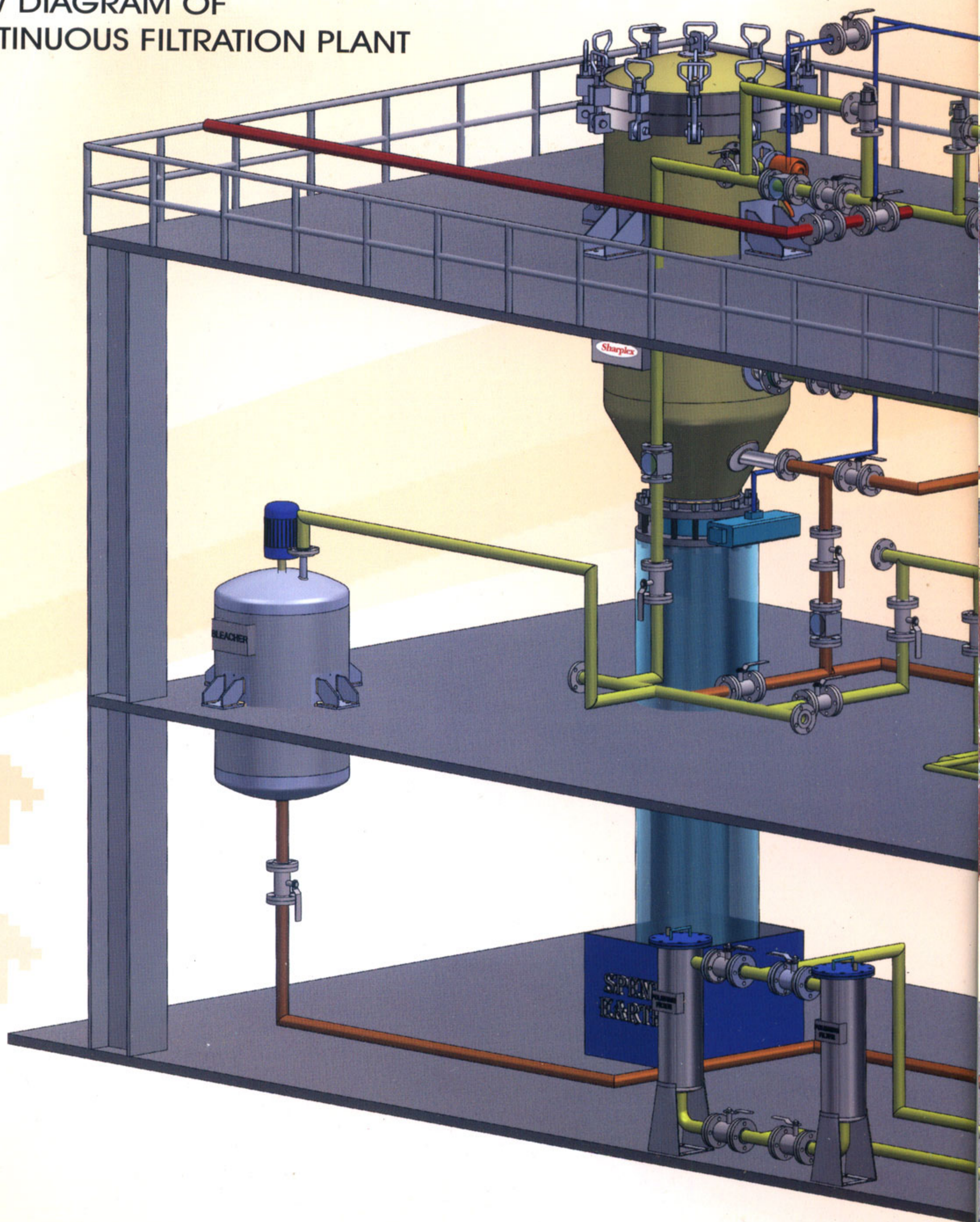


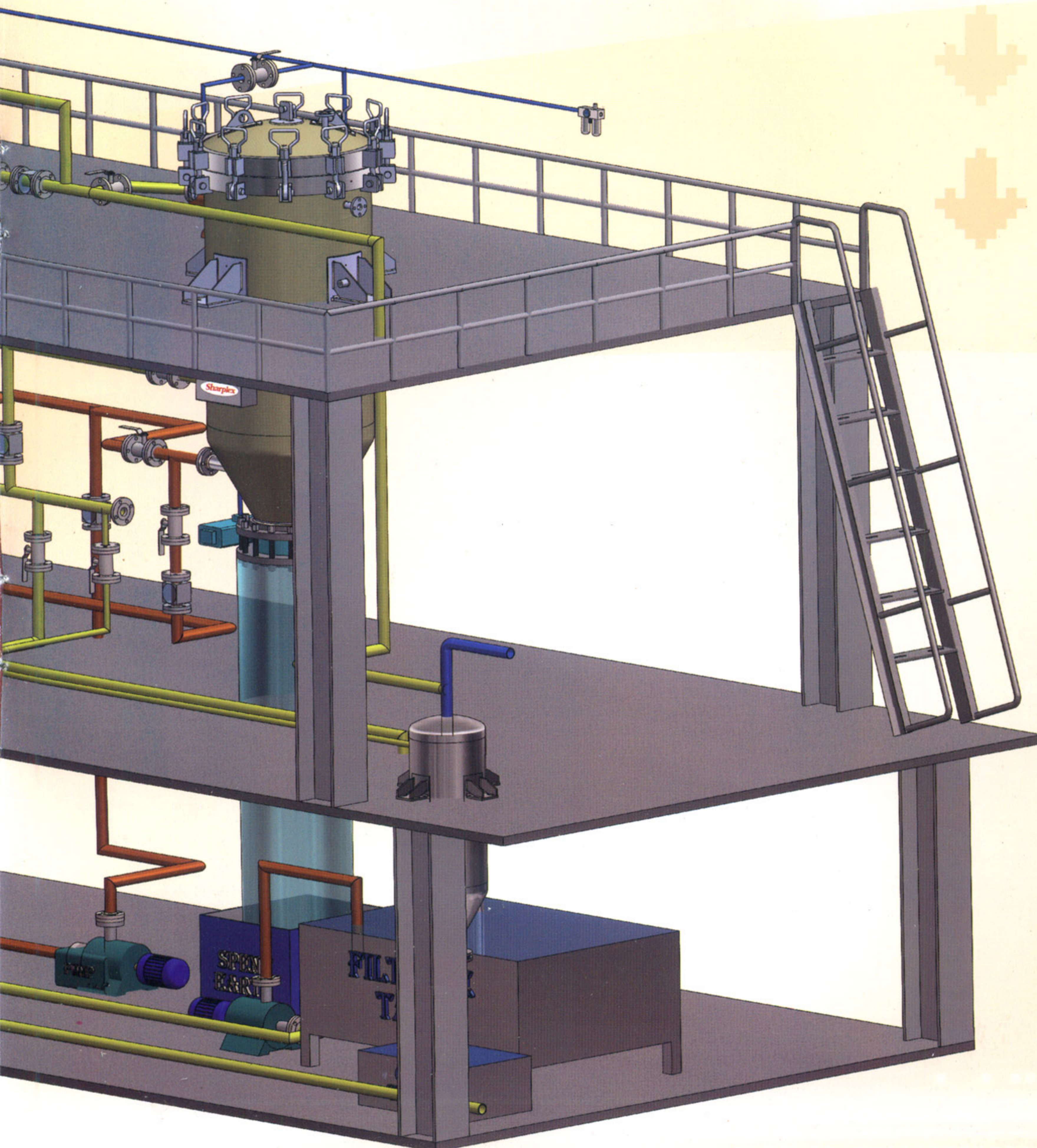
VERTICAL

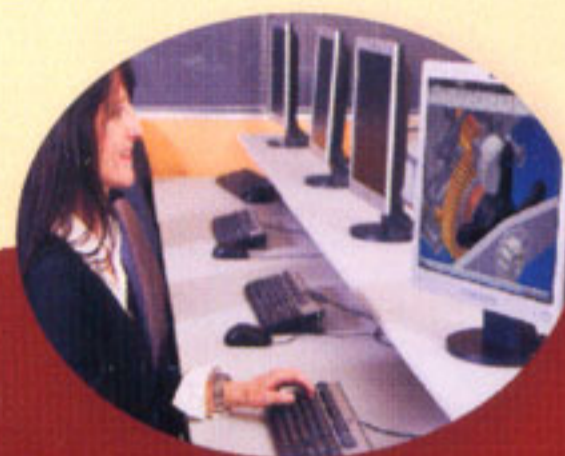
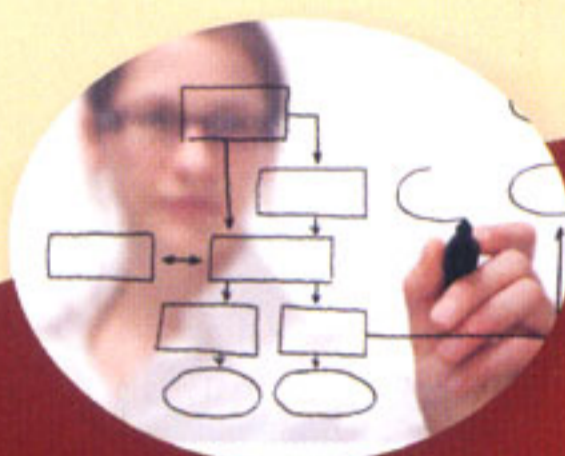
PRESSURE LEAF FILTER



FLOW DIAGRAM OF CONTINUOUS FILTRATION PLANT







Sharplex was incorporated in **February 1993** with a determination to make a mark in **process filtration equipments**, that are efficient and economical, catering to **food, pharma, chemical, edible oil, fertilizer, petroleum & mining industries**. **Sharplex** offers you the widest and most advanced range of **process filtration equipments**. The registered office & factory at **Navi Mumbai** are well equipped with a full fledged **CAD center** as well as sophisticated facility for testing, all regulated by a stringent quality policy, in turn enabling **Sharplex** to design each equipment to its perfection. **Sharplex** modern workshop at **Navi Mumbai** is "**PED**" approved by **Lloyd's** register.

An excellent team of skilled designers facilitates **Sharplex** to offer a wide variety of process filtration equipments like **Pressure Leaf Filter, Candle Filter, Horizontal Plate Filter, Polishing Filter, Tubular centrifuge, Nutsche filter & Vibroscreen**.



**PILOT
PLANTS
FACILITIES
AVAILABLE**

PED
APPROVED BY
LLOYD'S
REGISTER



SHARPLEX FILTERS (INDIA) PVT. LTD.
AN ISO 9001: 2008 COMPANY

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Unit I



Unit II