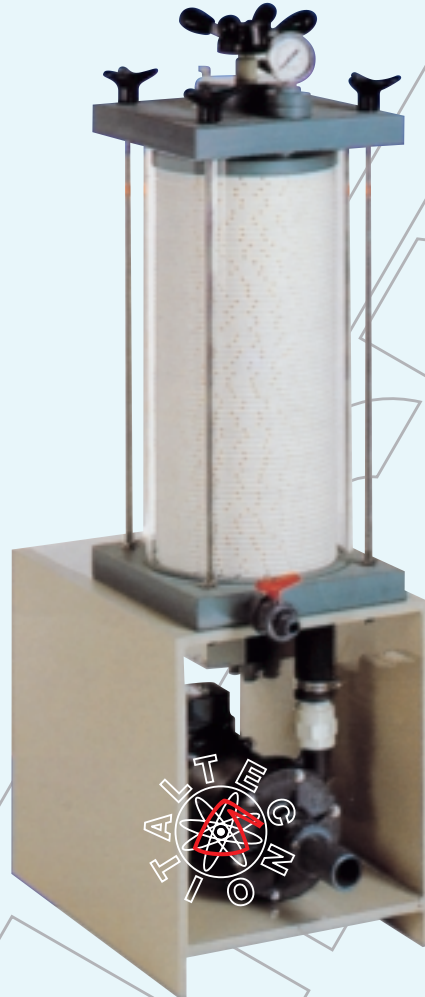


Filtration pump with paper disc filters suitable also for corrosive liquids

PFD PAPER DISC FILTERING PUMP



Filtration is one of the most important operations in an anodizing line and in a pre-treatment line. It ensures a longer life to the chemical solutions since they are kept without deposits and without layers at different densities.

Quality of the finishing results higher with a proper filtration, without dusty deposits and local defects.

The filter pumps are used for filtration of galvanic baths and corrosive liquids up to a temperature of 60°C. The filtration of these solutions is carried out by means of a magnetic drag-out pump and a filtering

chamber with discs entirely built of acid resistant plastic material. Pushing the solution to be treated through a series of filtering paper or meraklon discs it allows the working conditions of the liquid to remain constant.

The main characteristic of this filter pump is the transparency of the filtering chamber that allows a continuous visual control of the filtration.

Usually PP magnetic drag-out pumps with a capacity that varies from 2000 to 14000 liters per hour are assembled on PFD filter pumps.



The special system of the pump, without direct connections between pump unit and motor guarantees a perfect hydraulic sealing. The maintenance is simplified by the small number of basic components.

The base, built of plastic material, protects the pump and at the same time it is a support for the filtering chamber.

The standard models include flexible inlet and outlet pipes, switch and discharge valve. The advantage of the paper discs is that they have higher filtration efficiency compared to cartridge filters.

The disadvantage is that they have to be

changed every time after the filtration cycle is finished indicated by the maximum pressure limit in the manometer.

OPTIONALS

- Suction valve
- Discharge valve
- By-pass between filter and pump
- Active carbon treatment system valves
- Gauge
- Valve between filter and pump
- Flow-meter
- Safe security system
- Wheels

Model	Pump mod.	Power (KW)	Q max (l/h)	Disc Ø x n°	Filtering area (m ²)	Overall Dimensions (mm)	Inlet Pipe Ø i x l. (mm) (m)	Outlet Pipe Ø i x l. (mm) (m)
PFD 1.500/N	MPC 042	0,11	1.800	130 X 38	0,5	300 X 330 X 760	20 X 2	20 X 2
PFD 2.000/N	MPP 051	0,12	3.000	130 X 38	0,5	300 X 330 X 760	25 X 2	20 X 2
PFD 3.000/N	MPP 051	0,12	3.000	200 X 24	0,75	300 X 330 X 760	25 X 2	20 X 2
PFD 4.500/N	MPP 101	0,25	6.600	200 X 45	1,45	310 X 370 X 950	30 X 3	26 X 3
PFD 6.000/N	MPP 201	0,55	10.000	200 X 45	1,45	340 X 460 X 1000	30 X 3	30 X 3
PFD 10.000	MPP 201	0,55	10.000	250 X 40	1,95	340 X 460 X 1100	30 X 3	30 X 3
PFD 12.500	MPP 240	1,1	14.000	250 X 55	2,5	400 X 540 X 1150	50 X 4	40 X 4

MPC 036 pumps with monophasic motor only

