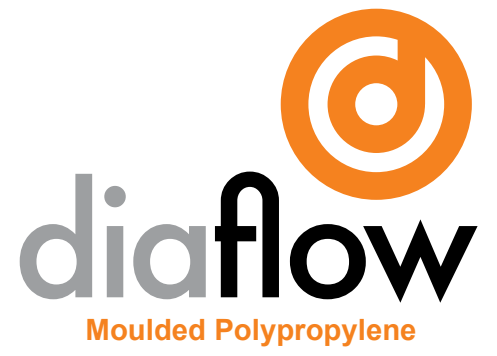


[www.diaflow.co.in](http://www.diaflow.co.in)



• Pumps • Butterfly Valves • Damper Valves • Filter Units • Basket Strainers • Priming Chambers • Couplings • Eductors •



## Moulded Polypropylene Basket Strainers



### Efficient & Dependable for:

Removing debris and dirt from the process liquids.

### Features:

- Heavy Duty, sturdy, made from moulded PP, universally accepted chemical resistant thermo Plastic
- Minimum pressure drops with maximum dirt and solid particles holding capacity
- Can be easily cleaned just by removing the top cover. No tools required

### Sizes Available:

3/4", 1", 1 1/2", 2", 3", 4", 6", 8"

## Moulded Polypropylene Priming Chambers



### Efficient & Dependable for:

Priming PP Centrifugal Pumps

### Features:

- Used in horizontal centrifugal pumps when liquid is below the pump center line (negative suction)
- Most suitable for negative suction upto 3mtrs without foot Valve

### Sizes Available:

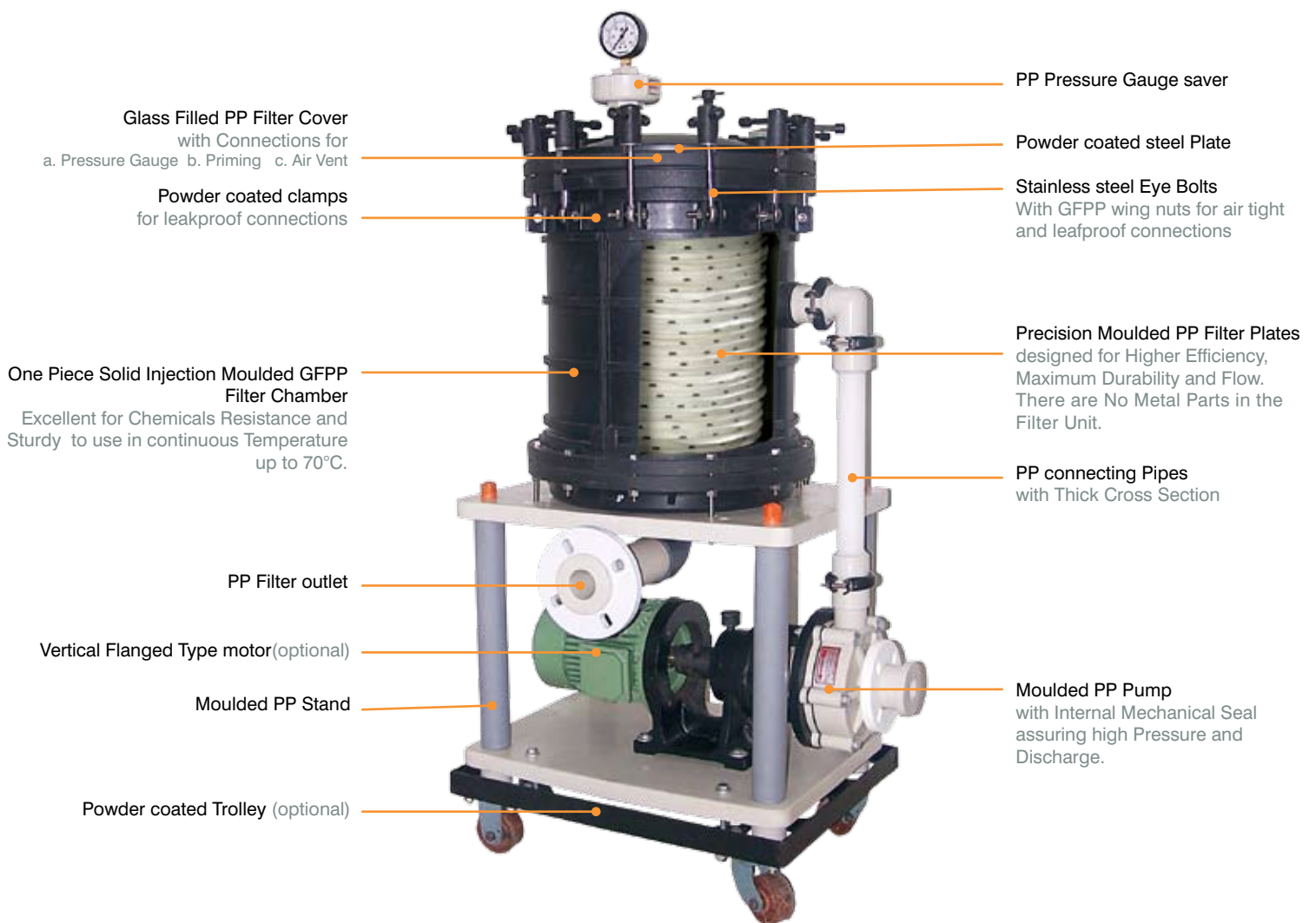
12 lits, 16 lits, 51 lits, 65 lits

# Plates & Cartridge Filtration Systems

For corrosive Chemicals

In Electroplating, certain corrosive chemicals in the electroplating bath are required to be continuously agitated or operated at high current densities. In such cases, solid particles remain suspended rather than settle at the bottom. These suspended particles cause roughness in plating. In order to remove these suspended particles, continuous filtration of the bath is necessary which is done by DiaFlow Filtration Systems.

DiaFlow offers a range of Plate & Cartridge Filtration Systems engineered to provide absolute and economical removal of suspended solid or organic impurities from corrosive chemicals. DiaFlow Filter Systems are provided with reusable PP Filter Cloth along with Filter Paper. Filter Units are also available with PP Filter Cartridges.





# GFPP Plates Filtration systems

PFU Series



PFU 200 GF



PFU 200 GF DUPLEX\*



PFU 200 GF with diaphragm pump

\*Available in series & parallel systems

**EXCELLENT | EFFICIENT | ECONOMICAL**

Also available with diaphragm pump

## TECHNICAL SPECS: PLATES FILTER UNITS

|                               | PFU 200 GF                     | PFU 200 GF DUPLEX              |
|-------------------------------|--------------------------------|--------------------------------|
| MOC Chamber                   | Moulded GFPP                   | Moulded GFPP ~ 2 Nos           |
| No. Of Plates In Chamber Each | 17                             | 17 + 17                        |
| Dia. Of Plates                | 204 mm                         | 204 mm                         |
| MOC Plates                    | PP                             | PP                             |
| Area Of Filter                | 0.6 Sq M                       | 1.2 Sq M                       |
| Filter Rate                   | 5,000 To 6,000 Lit/Hr          | 10,000 To 12,000 Lit/Hr        |
| Particle Size                 | 5 To 10 Microns                | 5 To 10 Microns                |
| Max. Operating Temp.          | 70°C                           | 70°C                           |
| Max Capacity                  | 6,000 Lit/Hr                   | 12,000 Lit/Hr                  |
| Max. Pressure                 | 1.8 kg/Cm <sup>2</sup>         | 2.2 kg/Cm <sup>2</sup>         |
| Pump Model                    | PCB 25                         | PCB 40                         |
| Pump Suction/Discharge        | 1"(25mm) * 1"(25mm)            | 1.5"(40mm) * 1"(25mm)          |
| Motor Type Recommended        | 1 hp/2900 Rpm Vertical Flanged | 2 hp/2900 Rpm Vertical Flanged |
| Filter Outlet Connection      | 1 1/4" BSP                     | 1 1/4" BSP                     |



PFU 300 GF



PFU 300 GF DUPLEX\*



PFU 300 GF with diaphragm pump

\*Available in series & parallel systems

**EXCELLENT | EFFICIENT | ECONOMICAL**

Also available with diaphragm pump

### TECHNICAL SPECS: PLATES FILTER UNITS

|                               | PFU 300 GF                     | PFU 300 GF Duplex              |
|-------------------------------|--------------------------------|--------------------------------|
| MOC - Chamber                 | Moulded GFPP                   | Moulded GFPP ~ 2 Nos           |
| No. Of Plates In Chamber Each | 20                             | 20 + 20                        |
| Dia. Of Plates                | 304 mm                         | 304 mm                         |
| MOC - Plates                  | PP                             | PP                             |
| Area Of Filter                | 1.48 Sq M                      | 3.0 Sq M                       |
| Filter Rate                   | 10,000 To 12,000 Lit/Hr        | 20,000 To 24,000 Lit/Hr        |
| Particle Size                 | 5 To 10 Microns                | 5 To 10 Microns                |
| Max. Operating Temp.          | 70°C                           | 70°C                           |
| Max Capacity                  | 12,000 Lit/Hr                  | 24,000 Lit/Hr                  |
| Max. Pressure                 | 2.2kg/Cm <sup>2</sup>          | 2.2kg/Cm <sup>2</sup>          |
| Pump Model                    | PCB 40                         | PCB 50                         |
| Pump Suction/Discharge        | 1.5" (40mm) * 1" (25mm)        | 2" (50mm) * 1.5" (40mm)        |
| Motor Type Recommended        | 2 Hp/2900 Rpm Vertical Flanged | 3 hp/2900 Rpm Vertical Flanged |
| Filter Outlet Connection      | 1 1/2" BSP                     | 1 1/2" BSP                     |

# GFPP Cartridge Filtration systems

CFU Series



CFU 200 GF



CFU 200 GF Duplex\*

\*Available in series & parallel systems

**EXCELLENT | EFFICIENT | ECONOMICAL**

Also available with diaphragm pump

## TECHNICAL SPECS: CARTRIDGE FILTER UNITS

|                                   | CFU 200 GF                     | CFU 200 GF Duplex              |
|-----------------------------------|--------------------------------|--------------------------------|
| MOC - Chamber                     | Moulded GFPP                   | Moulded GFPP ~ 2 Nos           |
| No. Of Cartridges In Chamber Each | 5                              | 5 + 5                          |
| Length Of Plates                  | 10"                            | 10"                            |
| MOC - Plates                      | PP Wound                       | PP Wound                       |
| Area Of Filter                    | 0.6 Sq M                       | 1.2 Sq                         |
| Filter Rate                       | 5,000 To 6,000 Lit/Hr          | 10,000 To 12,000 Lit/Hr        |
| Particle Size                     | 5 To 10 Microns                | 5 To 10 Microns                |
| Max. Operating Temp.              | 70°C                           | 70°C                           |
| Max Capacity                      | 6,000 Lit/Hr                   | 12,000 Lit/Hr                  |
| Max. Pressure                     | 1.8kg/Cm <sup>2</sup>          | 1.8kg/Cm <sup>2</sup>          |
| Pump Model                        | PCB 25                         | PCB 40                         |
| Pump Suction/Discharge            | 1"(25mm) * 1"(25mm)            | 1.5"(40mm) * 1"(25mm)          |
| Motor Type Recommended            | 1 hp/2900 Rpm Vertical Flanged | 2 hp/2900 Rpm Vertical Flanged |
| Filter Outlet Connection          | 1 1/4" BSP                     | 1 1/4" BSP                     |



CFU 300 GF



CFU 300 GF Duplex

**EXCELLENT | EFFICIENT | ECONOMICAL**

Also available with diaphragm pump

### TECHNICAL SPECS: CARTRIDGE FILTER UNITS

|                                   | CFU 300 GF                     | CFU 300 GF Duplex              |
|-----------------------------------|--------------------------------|--------------------------------|
| MOC - Chamber                     | Moulded GFPP                   | Moulded GFPP ~ 2 Nos           |
| No. Of Cartridges In Chamber Each | 11                             | 11 + 11                        |
| Length Of Cartridges              | 20"                            | 20"                            |
| MOC - Plates                      | PP Wound                       | PP Wound                       |
| Area Of Filter                    | 0.6 Sq M                       | 0.6 Sq M * 2                   |
| Filter Rate                       | 8,000 To 10,000 Lit/Hr         | 16,000 To 20,000 Lit/Hr        |
| Particle Size                     | 5 To 10 Microns                | 5 To 10 Microns                |
| Max. Operating Temp.              | 70°C                           | 70°C                           |
| Max Capacity                      | 10,000 Lit/Hr                  | 20,000 Lit/Hr                  |
| Max. Pressure                     | 2.2 kg/Cm <sup>2</sup>         | 2.2 kg/Cm <sup>2</sup>         |
| Pump Model                        | PCB 40                         | PCB 50                         |
| Pump Suction/Discharge            | 1"(25mm) * 1"(25mm)            | 2"(50mm) * 1.5"(40mm)          |
| Motor Type Recommended            | 2 hp/2900 Rpm Vertical Flanged | 3 hp/2900 Rpm Vertical Flanged |
| Filter Outlet Connection          | 1 1/2" BSP                     | 1 1/2" BSP                     |

# Flexible Impeller Pump | Flexo Series

Flexible Impeller Self Priming Pumps in SS 316, Bronze and Phenilic Resin

**NEW**

## Efficient & Dependable for:

- Plating Solution
- Detergent and Soap Solution
- Acids / Alkalies
- Oils
- Chemical effluent
- Inks, dyes and Paint
- Latex
- Adhesives

## Features:

- Self Priming upto 3.5 mtrs
- Impeller and Seal Opetions
- Handles Viscous Liquid
- Handles soft/ hard Solids without Damage or Clogging
- Allows flow to be regulated by varying pump speed



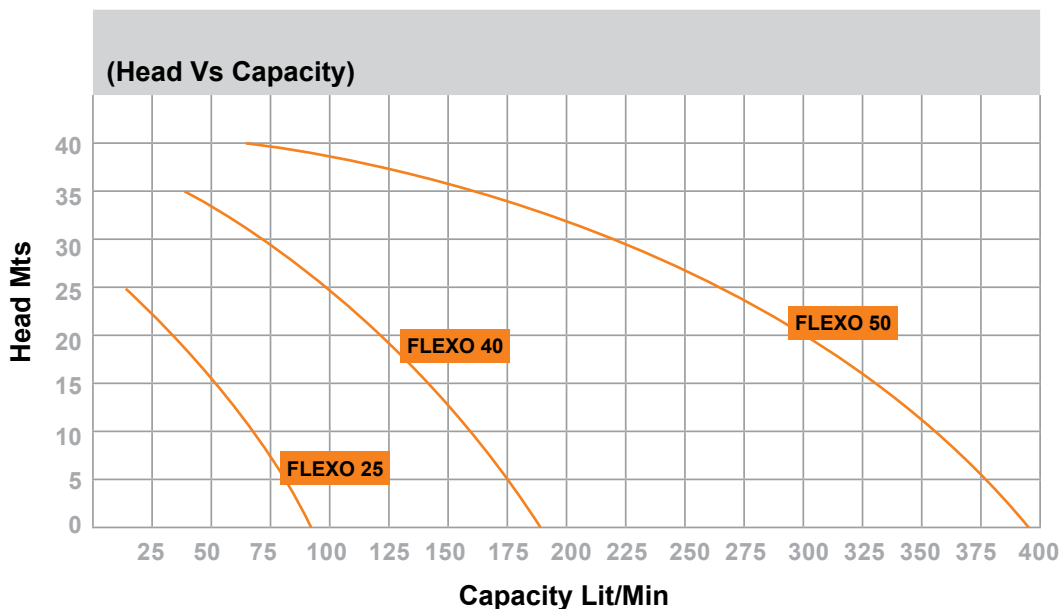
**Impeller Options** • Neoprene • Nitrile • EPDM • Viton.

**Seal Options** • Carbon v/s Ceramic • Carbon v/s Silicon Carbide • Silicon Carbide v/s Silicon Carbide

**NEW**

## Models available, sizes & technical details:

| Model            | Suction | Max Flow     | Max Head | Motor RPM | Motor HP    |
|------------------|---------|--------------|----------|-----------|-------------|
| <b>FLE XO 25</b> | 1"      | 70 ltrs/min  | 20 mtrs  | 1440      | 1 (0.75 kw) |
| <b>FLE XO 40</b> | 1.5"    | 180 ltrs/min | 35 mtrs  | 1440      | 3 (2.75 kw) |
| <b>FLE XO 50</b> | 2"      | 380 ltrs/min | 40 mtrs  | 1440      | 5 (3.75 kw) |





# Vertical Pumps | VSP Series

Heavy duty vertical submersible pumps in moulded polypropylene

## Efficient & Dependable for:

- Acids
- Caustic
- Plating solution
- Effluent treatment
- Waste water treatment

## Features:

- Flow up to 18m<sup>3</sup>/hr.
- Head up to 20mtrs
- S S cantilever shaft protected by heavy walled Polypropylene Sleeve
- Heavy duty cast iron motor support with ball bearing separations pump shaft and motor shaft
- Rugged glassfilled polypropylene Impeller for long life

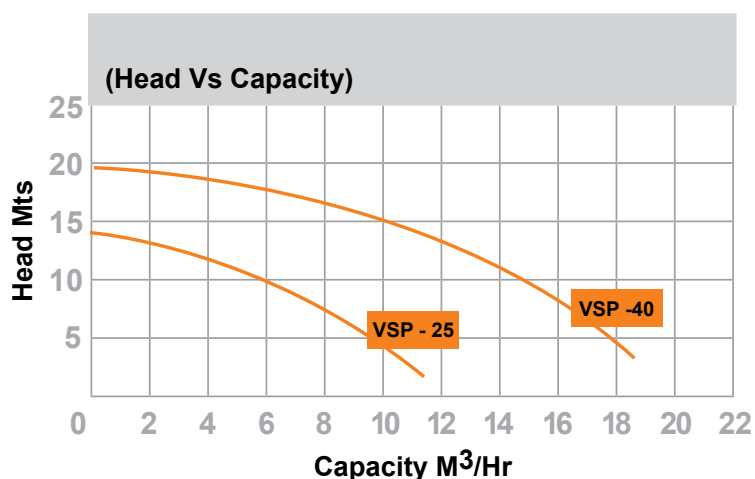
## Standard available submersible length:

- 250mm
- 500mm
- 750mm
- 1000mm



## Models available, sizes & technical details:

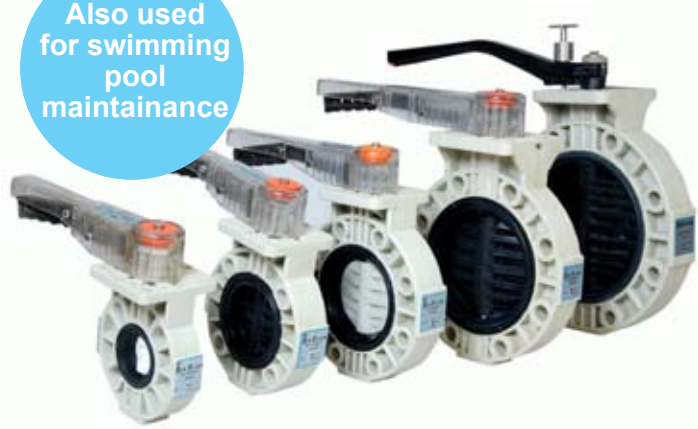
| Model    | Suction | Discharge | HP (kw)  | RPM  |
|----------|---------|-----------|----------|------|
| VSP - 25 | 1"      | 1"        | 1 (0.75) | 2900 |
| VSP - 40 | 1.5"    | 1.5"      | 2 (1.5)  | 2900 |



## Moulded Polypropylene Butterfly Valves

## Moulded Polypropylene Damper Valves

Also used  
for swimming  
pool  
maintainance



### Efficient & Dependable for:

- Corrosive liquids, slurry and water

### Features:

- Pressure rating: 7.5 kg/cm<sup>2</sup>
- Flanges: As per ASA - 150
- Body & Disc: Solid injection moulded polypropylene
- Low pressure drop due to wafer type disc
- V notch retention designed liner provides positive sealing of liner to the body
- Symmetrical design - suitable for use in both directions
- Elastomers liners available in Neoprene, Hypalon and EPDM

### Sizes Available:

2", 3", 4", 6", 8", 12"



### Efficient & Dependable for:

- Volume control for air, gas and corrosive fumes ventilation system
- Excellent for ON/OFF Service
- For Volume Control Balancing
- For controlling gas & fumes from fume cupboards in chemical laboratories
- For gas scrubbers and pollution equipment

### Features:

- Single Flap
- Minimum leakage utility round flap

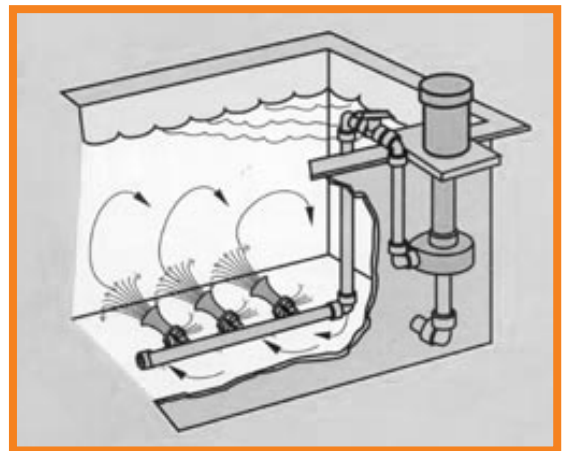
### Sizes Available:

3", 4", 6", 8", 10"

# Moulded Polypropylene Flo-Ductors



**USED FOR:**  
Cleaning, Rinsing,  
Plating,  
Waste treatment  
and other process  
solutions



With this system, solutions are agitated without the introduction of foreign matter such as airborne dirt or compressor oil, as is often the case with air agitation.

A FLO-DUCTOR system provides solution agitation with a centrifugal pump by drawing liquid from a tank and returning it to the tank through a sparger system, similar to that used for air agitation, with eductors strategically placed along the sparger pipe. The agitation delivers 5 times the pump output at each nozzle effectively distributing agitation to critical areas in your process tank. The system is driven by your choice of vertical, magnetic drive, self-priming or mechanical seal pump.

## Efficient & Dependable for:

- Agitation and mixing

## Features:

- Reduces airborne fume emissions by 90%
- Saves heating costs up to 25%
- Reduces brightener consumption 20%
- Saves metal as a result of more uniform brightness and thickness distribution
- Improves throw and deposit thickness in blind and through holes and recesses
- Permits increased current density, especially compared to air or cathode rod agitation, for faster plating rate
- Reduces carbonates in alkaline processes
- Reduces or eliminates gas-pitting
- Provides constant agitation because FLO-DUCTOR systems don't clog

## Sizes Available:

1/4", 3/8", 1/2", 3/4", 1 1/2"

## Moulded Polypropylene Gauge Savers



### Efficient & Dependable for:

- For measuring corrosive fluid line pressure with accurate readings from 0 to 10 kg/cm<sup>2</sup>

### Features:

- All Plastic Gauge Saver consists of a moulded cylinder incorporating a top and bottom chamber
- It is an effective means of eliminating the necessity for a costly high alloy gauge in the measuring of line pressure in pipes carrying corrosive chemicals.

## Moulded Polypropylene Couplings



### Efficient & Dependable for:

- Corrosive chemicals

### Features:

- Made from glass filled polypropylene
- Excellent for quick connection and dis connection

### Sizes Available:

1", 1½", 2", 3"

[www.diaflow.co.in](http://www.diaflow.co.in)

### Diaflow Valves Pvt Ltd

A leading manufacturer of moulded polypropylene products for filtering, processing and transferring a wide range of fluids including corrosive chemicals. Our products include basket strainers, priming chambers, filtration systems, flexible impeller pumps, vertical pumps, butterfly valves, damper valves, gauge savers, couplings etc. Our products are used to add efficiency to processes like electroplating, filtration, xxxx in industries like chemical, pharmaceutical etc.

Talk to us about your fabrication and custom filtration needs too!