

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



Efficient • Reliable • Economical • Precision Engineered

Moulded Polypropylene Basket Strainers

Also used
for swimming
pool
maintainance



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 particals 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", 10"

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:

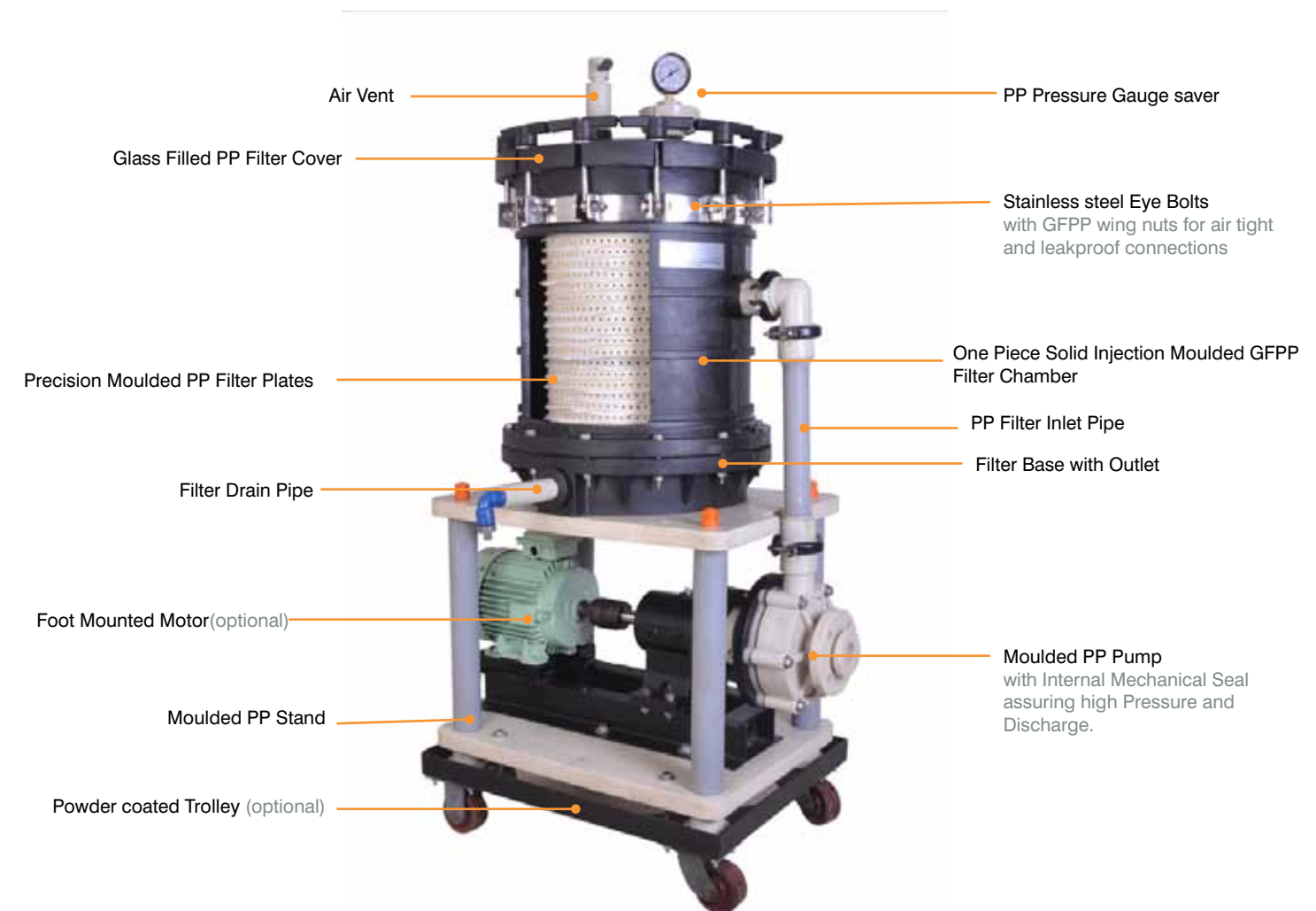
12 lits, 16 lits, 51 lits, 65 lits

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*

*Available in series & parallel systems



PFU 200 GF
with diaphragm pump

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 Mtr	1.2 Sq Mtr
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 ²	2.2 kg/Cm ²
Pump Model	SSP 25	SSP 40
Pump Suction/Discharge	1"(25mm) * 1"(25mm)	1.5"(40mm) * 1"(25mm)
Motor Type Recommended	1 hp/2900 Rpm	2 hp/2900 Rpm
Filter Outlet Connection	1 1/4" BSP	1 1/4" BSP



PFU 300 GF



PFU 300 GF DUPLEX*

*Available in series & parallel systems



PFU 300 GF
with diaphragm pump

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 Mtr	3.0 Sq Mtr
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 ²	2.2kg/Cm ²
Pump Model	SSP 40	DCP 50
Pump Suction/Discharge	1.5"(40mm) * 1"(25mm)	2"(50mm) * 1.5"(40mm)
Motor Type Recommended	2 Hp/2900 Rpm	3 hp/2900 Rpm
Filter Outlet Connection	1 1/2" BSP	1 1/2" BSP

GFPP Cartridge Filtration systems

CFU Series



CFU 200 GF*



CFU 300 GF*

*Available in duplex systems also

EXCELLENT | EFFICIENT | ECONOMICAL

Also available with diaphragm pump

TECHNICAL SPECS: CARTRIDGE FILTER UNITS

	CFU 200 GF	CFU 300 GF
MOC - Chamber	Moulded GFPP	Moulded GFPP
No. Of Cartridges In Chamber Each	5	11
Length Of Plates	10"	20"
MOC - Plates	PP Wound	PP Wound
Area Of Filter	2.5 Sq Mtr	11 Sq Mtr
Filter Rate	5,000 To 6,000 Lit/Hr	8,000 To 10,000 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	10,000 Lit/Hr
Max. Pressure	1.8kg/Cm ²	2.2 kg/Cm ²
Pump Model	PCB 25	SSP 40
Pump Suction/Discharge	1"(25mm) * 1"(25mm)	1"(25mm) * 1"(25mm)
Motor Type Recommended	1 hp/2900 Rpm Vertical Flanged	2 hp/2900 Rpm
Filter Outlet Connection	1 1/4" BSP	1 1/2" BSP

PFU 400 Plate Filtration systems

PFU Series



PFU 400 GF



PFU 400 GF Duplex

EXCELLENT | EFFICIENT | ECONOMICAL

Also available with diaphragm pump

TECHNICAL SPECS: CARTRIDGE FILTER UNITS

	PFU 400 GF	PFU 400 GF Duplex
MOC - Chamber	Moulded GFPP	Moulded GFPP ~ 2 Nos
No. Of Plates In Chamber Each	10	10 + 10
Dia. of Plates	375mm	375mm
MOC - Plates	PP	PP
Area Of Filter	1.13 Sq Mtr	2.26 Sq Mtr
Filter Rate	20,000 Lit/Hr	30,000 Lit/Hr
Particle Size	5 To 10 Microns	5 To 10 Microns
Max. Operating Temp.	70°C	70°C
Max Capacity	20,000 Lit/Hr	30,000 Lit/Hr
Max. Pressure	2.2 kg/Cm ²	2.2 kg/Cm ²
Pump Model	DCP 50	DCP 60
Pump Suction/Discharge	2"(50mm) * 1 1/2"(40mm)	2"(50mm) * 1 1/2"(40mm)
Motor Type Recommended	3 hp/2900 Rpm	5 hp/2900 Rpm
Filter Outlet Connection	2" BSP	2" BSP

Flexible Impeller Pump | Flexo Series

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

Efficient & Dependable for:

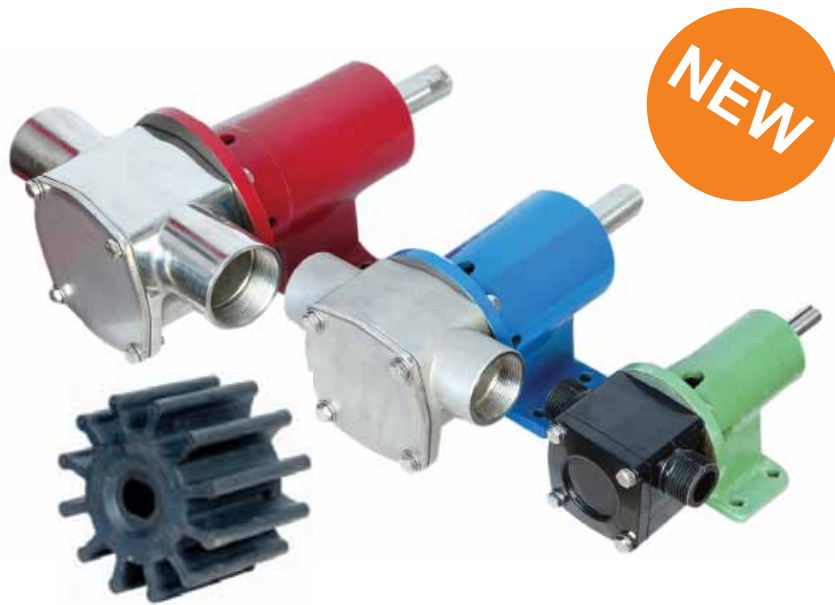
- Plating Solution
- Detergent and Soap Solution
- Acids / Alkalies
- Oils
- Chemical effluent
- Inks, dyes and Paint
- Latex
- Adhesives

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.

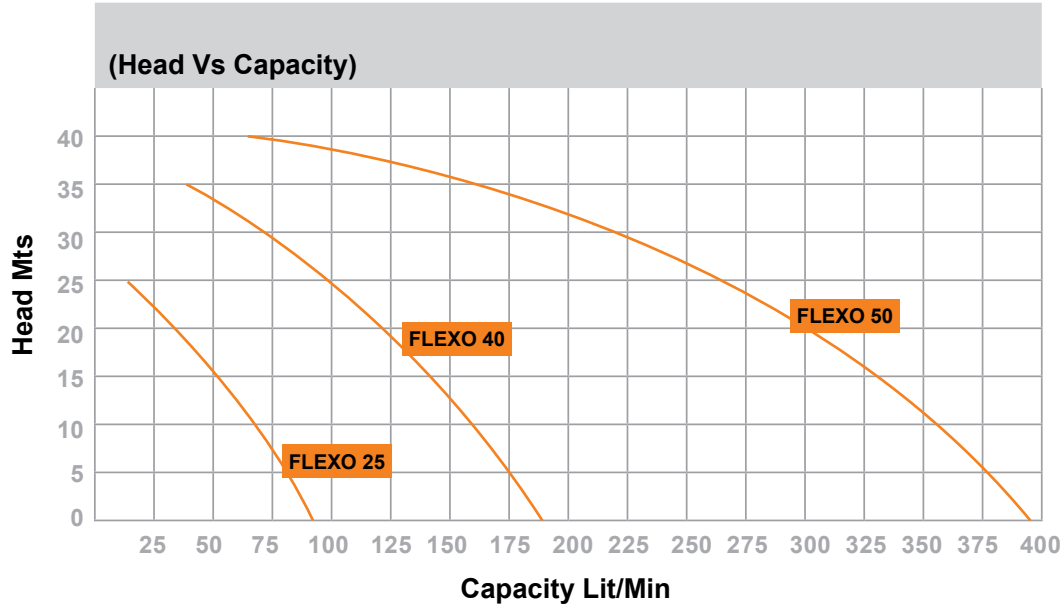
Seal Options• Carbon v/s Ceramic • Carbon v/s Silicon Carbide • Silicon Carbide v/s Silicon Carbide



NEW

Models available, sizes & technical details:

Model	Suction	Max Flow	Max Head	Motor RPM	Motor HP
FLEXO 25	1"	70 ltrs/min	20 mtrs	1440	1 (0.75 kw)
FLEXO 40	1.5"	180 ltrs/min	35 mtrs	1440	3 (2.75 kw)
FLEXO 50	2"	380 ltrs/min	35 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 18m³/hr.
- Head up tp 20mtrs
- S S cantilever shaft protected by heavy walled Polypropylene Sleeve
- Heavy duty cast iron motor support with ball bearing seprations pump shaft and motor shaft
- Rugged glassfilled polypropylene Impeller for long life

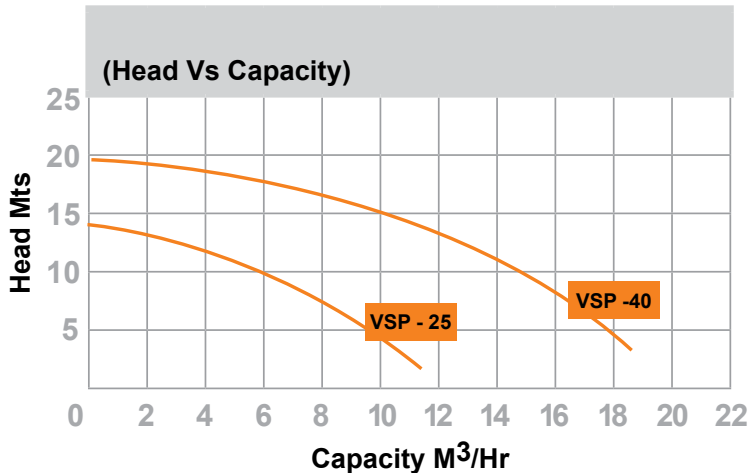
Standard available submersible length:

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



Models available, sizes & technical details:

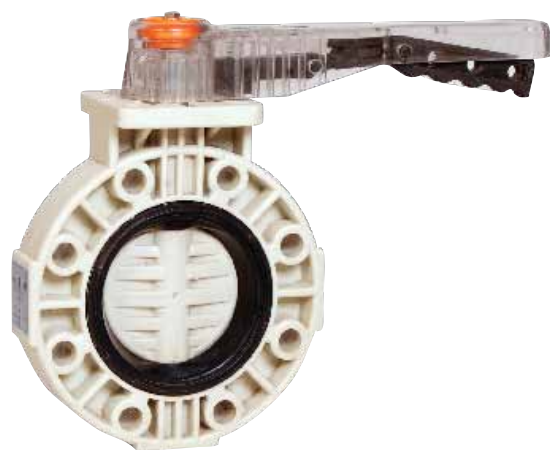
Model	Suction	Discharge	HP (kw)	RPM
VSP - 25	1"	1"	1 (0.75)	2900
VSP - 40	1.5"	1.5"	2 (1.5)	2900
VSP - 60	3"	2"	5 (3.75)	2900



Moulded Polypropylene Butterfly Valves



Also used
for swimming
pool
maintainance



Efficient & Dependable for:

- Corrosive liquids, slurry and water

Features:

- Pressure rating: 7.5 kg/cm²
- 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"

Moulded Polypropylene Damper Valves



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

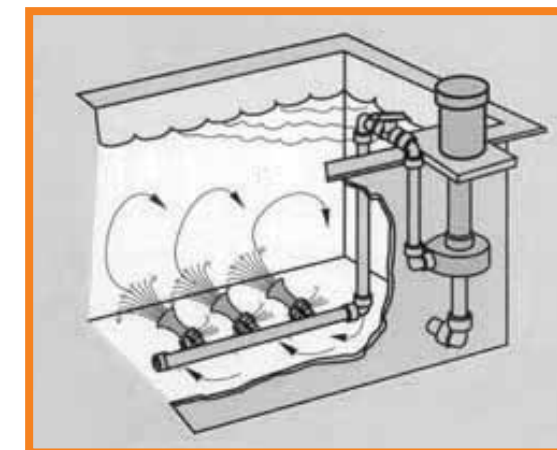
Sizes Available:

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

Moulded Polypropylene Flo-Ductors



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



With Flo-Ductor 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/cm²

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.

Motorised Barrel Pumps In SS316, Polypropylene & PTFE



**Pumps are available with:
Electric Motor, Flame Proof Motor &
Air Motor.**

DiaFlow Valves Pvt Ltd

We are 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. DiaFlow products add efficiency to industrial processes such as electroplating and filtration. We actively service the chemical, pharmaceutical and automobile industries amongst others.

We also cater to custom filtration and fabrication requirements.

