

S. No.	Application	Industry	Typical Contaminants Removed	Recommended Filter Type	Typical Micron Rating
1	Activated carbon filtration	Edible Oil/Chemical/Water	Carbon fines, color bodies	Pressure Leaf Filter/ candle filter	1–10 µm
2	Amine filtration	Oil & Gas	Iron sulphide, corrosion products	Cartridge Filter	1–25 µm
3	Aqua culture separation	Aquaculture	Suspended solids, algae	Tubular centrifuge/Decander	50–200 µm
4	Bio diesel filtration	Biofuel	Glycerin, soaps	Bag/Cartridge	1–25 µm
5	Biological growth filtration	Bio Pharma	Biological growth	Tubular centrifuge/Disc stack	25–100 µm
6	Bleaching Earth filtration	Edible Oil	Bleaching earth	Pressure Leaf	5–20 µm
7	Brine Polishing filtration system	Chlor-Alkali	Fine solids	Pulse jet candle filter	1–5 µm
8	Catalyst Recovery & filtration	Chemical	Catalyst particles	Pressure Leaf/Pulse jet candle filter	1–10 µm
9	Cooling Tower side stream Filtration	Power/HVAC/Steel	Sand, silt	Media Filter/Self-cleaning filter	10–100 µm
10	Crude oil filtration	Refinery	Suspended impurities	Pressure Leaf	25–200 µm
11	Edible oil decolorization	Edible Oil	Pigments	Pressure Leaf	1–10 µm
12	Edible oil refining	Edible Oil	Wax, fines	Pressure Leaf	1–10 µm
13	Electrolyte Filtration	Battery	Fine particles	Cartridge	0.5–5 µm
14	Electroplating industries	Electroplating	Metal fines	Bag/Cartridge	1–25 µm
15	Food processing application	Food	Suspended solids	Sanitary Cartridge/Sparkler filter	0.5–10 µm
16	Glucose Filtration	Sugar	Carbon, fines	Pressure Leaf	1–10 µm
17	Honey filtration	Food	Wax, pollen	Bag Filter	50–200 µm
18	Lecithin Filtration	Food	Gums	Pressure Leaf	1–10 µm
19	Liquid liquid separation	Chemical	Immiscible phases	Tubular centrifuge/Disc stack	1–25 µm
20	Molten Sulphur filtration	Refinery	Ash, solids	Candle Filter/ Pressure leaf filter	1–10 µm
21	Pharmaceutical Application	Pharma	Fine contaminants	Cartridge/ Pulse Jet Candle	0.2–5 µm
22	Pipe line scale removal	Oil & Gas/Water	Scale, rust	Bag Filter/ Self cleaning	100–1000 µm
23	Polishing filtration	Chemical/Food	Trace particles	Cartridge/Bag	0.5–5 µm
24	Pre-coat filtration	Chemical/Food	Fine solids	PulseJet candle/ Pressure leaf	1–10 µm
25	Printing ink filtration	Printing	Pigment agglomerates	Bag Filter/ Tubular Centrifuge	5–50 µm
26	River water intake	Water Treatment	Leaves, sand	Auto Self-cleaning filter	100–3000 µm
27	Spray Nozzle protection	General Industry	Scale, particles	Auto Self-cleaning filter/ Bag filter	50–500 µm
28	Sub micron filtration	Pharma/ chemical	Submicron particles	Pulse Jet candle filter/ Tubular centrifu	0.1–1 µm

Remarks
Post carbon dosing
Protects amine loop
Improves water quality
Final polishing
Reduces fouling
After bleaching
Polishing
Product recovery
Side stream
Equipment protection
Quality improvement
Refining
High purity
Bath quality
Food grade
Clarification
Packaging
Purification
Phase separation
Molten duty
Sterile/high purity
Commissioning
Final filtration
Uses DE/perlite
Uniform print
Intake protection
Protects nozzles
Ultra-fine