




A)	PP Filter Cartridges	
I.	<p>Polypropylene Pleated Filter Cartridges Micron Rating - 0.2 ,0.45 ,1, 5, 10, 20μ, Length - 5", 10", 20", 30", 40" Inner Dia - Approx. 28mm Outer Dia - Approx. 65 - 69mm Effective surface area per 10" - element 7.5 sq. feet (0.65 msq.) Max operating temperature - 80°C (176° F) Sterilization Autoclave Hot water - 121°C, 30 min, 10 times 80°C, 30 min, 30 times Max differential pressure - 5.5 bar (80 psi) @ 21°C</p>	
II.	<p>Polypropylene Spun Filter Cartridge Micron Rating - 1, 5, 10, 20 μ Length - 10", 20", 30", 40" Inner Dia for standard size - 28 mm Inner Dia for jumbo size - 28 mm Outer Dia - 60-64 mm Outer Dia for jumbo size - 100-110 mm Max operating temperature - 80° C Max Differential Pressure - 3-4 bar (50 psi) @ 21°C</p>	
III.	<p>Wound Filter Cartridges (Polypropylene/Microglassfiber/ Cotton) Micron Rating - 1, 5, 10, 20 μ Length - 10", 20", 30", 40" Inner Dia-Standard size - 28 mm Inner Dia- Jumbo size - 28 mm Outer Dia-Standard size – 60-62 mm Outer Dia- Jumbo size – 105-110 mm Effective Surface area per 10" cartridge element - 3.5 sq. feet</p>	

B)	Stainless Steel Filter Cartridges	
I.	SS Sintered Filter Cartridge Micron Rating - 0.5, 1, 3, 5, 10, 25 μ Length - 100 mm to 1000 mm or as per request Outer Dia - 63 mm, other Dia available on request Inner Dia - 57 mm Wall thickness - 3 mm Max operating temp - No constraint Sterilization Autoclave Hot water - 121°C, 30 min, 10 times 80°C, 30 min, 30 times Effective surface area for sintered filter element - Approx. 1000 cm ² per standard 500 mm long cartridge	
II.	SS Pleated Filter Cartridge Micron Rating - 1, 5, 10, 20, 40 μ MOC - SS316L / SS 316/ SS 304 Core, End cap, support cage - SS316L/SS 316/ SS304 Length - 10", 20", 30", 40" Inner Dia - Approx. 28mm or customer specification Outer Dia - 63mm, 70mm, 80mm O-ring material – EPDM, Buna-N, Silicone, Viton Effective Surface – area 7.5 Sq. feet (0.65sqm) per 10" cartridge Max. Operating - Up to 250 °C Sterilization Autoclave - 121°C, 30min Hot water - 80°C, 30min	
C)	Membrane Absolute Filter Cartridge	
I.	Nylon (66) Pleated Filter Cartridge Micron Rating - 0.1, 0.2 ,0.45 ,0.65, 1 μ Length - 5", 10", 20", 30", 40" Inner Dia - Approx. 28 mm Outer Dia - Approx. 65 – 69 mm Effective surface area per 10" element - 7.5 sq. feet (0.65 msq.) Max operating - 80°C Sterilization Autoclave - 121°C, 30 min, 10 times Hot water - 80°C, 30 min, 30 times Max differential pressure - 5.5 bar (80 psi) @ 21°C	

<p>II.</p>	<p>Polyethersulfone (PES) Membrane Pleated Filter Cartridge</p> <p>Micron Rating - 0.2 ,0.45, 0.65 μ Length - 5", 10", 20", 30", 40" Inner Dia - Approx. 28 mm Outer Dia - Approx. 65-69 mm Effective surface area per 10" element - 7.5 sq. feet (0.65 msq.) Max operating temperature - 80°C Sterilization Autoclave - 121°C, 30 min, 10 times Hot water - 80°C, 30 min, 30 times Max differential pressure - 5.5 bar (80 psi) @ 21°C Min. bubble point 0.45 Microns - \geq24 psi (1.65 bar) 0.65 Microns - \geq17 psi (1.17 bar)</p>	
<p>III.</p>	<p>PTFE Membrane Pleated Filter Cartridge</p> <p>Micron Rating - 0.2 ,0.45, 0.65 μ Length - 5", 10", 20", 30", 40" Inner Dia - Approx. 28 mm Outer Dia - Approx. 65-69 mm Effective surface area per 10" element - 7.5 sq. feet (0.65 msq.) Max operating temperature - 80°C Sterilization Autoclave – 121°C, 30 min, 10 times Hot water - 80°C, 30 min, 30 times Max differential pressure - 5.5 bar (80 psi) @ 21°C Min. bubble point 0.45 Microns - \geq24 psi (1.65 bar) 0.65 Microns - \geq17 psi (1.17 bar)</p>	
<p>D)</p>	<p>Microglass Fiber Filter Cartridges</p>	
<p>I.</p>	<p>Micro glass Fiber Pleated Filter Cartridge</p> <p>Micron Rating - 1, 2 Microns Length - 250 mm to 1000 mm Inner Dia - Approx. 28mm Outer Dia - Approx. 65-67 mm Effective surface area per 10" element - 7.5 sq. feet (0.6 msq.) Max operating temperature - 80°C continuous Sterilization Autoclave - 121°C, 30 min, 10 times Hot water - 80°C, 30 min, 30 times Max differential pressure - 5.5 bar (80 psi) @ 21°C</p>	

<p>II.</p>	<p>Superior Glass Fiber Filter Cartridges (With SS Core/Cage)</p> <p>Filter Medium - Double layer micro glass fiber. Pre- Filter Media - Cellulose Fiber Media Inner Core – Polypropylene or SS 304 Outer Core - SS 304 End Caps - Hard PP or SS caps. Gaskets - Silicon, EPDM, Viton. Dimensions: External Diameter - 65mm. Length - 20” Filtration area - 0.7 m²/ 20” cartridge Max dp. - 2.0 bar at 40°C Recommended - 1.2 bar at 40°C. Max Operating Temp. - 20°C to 80°C for PP & 80°C to 120°C for SS</p>	
<p>III.</p>	<p>PP Glass Fiber Filter Cartridge (With PP Core/Cage)</p> <p>Micron Rating - 1, 2 Microns Length - 250 mm to 1000 mm Inner Dia - Approx. 28mm Outer Dia - Approx. 65-67 mm Effective surface area per 10” element - 7.5 sq. feet (0.6 msq.) Max operating temperature - 80°C continuous Sterilization Autoclave - 121°C, 30 min, 10 times Hot water - 80°C, 30 min, 30 times Max differential pressure - 5.5 bar (80 psi) @ 21°C</p>	
<p>E)</p>	<p>Capsule Filters</p> <p>Filter media – PP, PTFE, PES, NN Pore size - PP media: 10, 5, 1, 0.45, 0.2 Microns PTFE, PES, NN: 1, 0.45, 0.22 Microns Max Operating Pressure - 5.5 bar Max. Operating Temp - 50°C Sealing - Thermally sealed</p>	

F) Hydraulic Filter Cartridge



G) Moisture- Oil Removal Coalescing Filter Cartridge for Air & Gas (Complete range of port sizes, from 15 mm to 300 mm lines sizes)



H) Dessicant Breather Filter (Size: 4" dia X 9" long or as per customer specifications.)









I)	Air Dust Collector Pleated Filter Cartridge	
I.	Cellulose Dust Collector Filter Cartridges	
II.	High Efficiency Polyester Dust Collector Cartridge MOC - 100% Spun bond polyester Temperature - 93°C- 135°C Inner core - Perforated Zinc Galvanized Metal (rust free) gives good air flow Top - Electrochemical or galvanized plates /SS Bottom - Electrochemical or galvanized plates /SS Sizes - Different sizes as per customer requirement	
J)	Others	
I.	Activated Carbon Filter Cartridge Micron Rating - 5, 10µ MOC - Activated Carbon Length - 10", 20", 30" Inner Dia - 28mm Outer Dia - 63mm, 110m (Jumbo) O-ring material - EPDM, Silicone, Viton Max Operating temperature: 60° C Sterilization Autoclave - 121°C, 30 min, 10 times Hot water - 80°C, 30 min, 30 times Configuration - Double Open End (DOE)	




II.	<p>Compressed Air or Gas Filter</p>	
III.	<p>Mini Cartridge Filters</p> <p>Filter Media - Cellulose Pore size - 1 Micron, 5 microns Material of Capsule - PP Max Operating Pressure - 5.5 Kg Max Operating temperature - 50° C Length - 50mm External dia - 77mm Effective external dia - 85 mm Efficient filtration area 250 cm sq. Retention efficiency - Excellent</p>	
A)	<p>PP Bag Filter Housings</p>	
I.	<p>PP Bag Filter Housings</p> <p>MOC - Polypropylene Length of Filter bag - Dia 4" x 10" Long, dia 4"x17" dia 7" x 17", dia 7" x 32" Inlet/Outlet - 3/4" to 1.5" BSP 'O' ring connection - Silicon, EPDM Vent - Pressure relief button Max. Operating Temperature - 50 ° C Max. Operating pressure - 3.5 bar</p>	



<p>II.</p>	<p>SS Bag Filter Housings</p> <p>MOC - SS 304/ SS316/ SS 316L Length of Filter bag - Dia 4"x 10" long, Dia 4"x 17", Dia 7"x 17", Dia 7" x 32" Inlet/Outlet - ½", 1", 1.5" BSP Triclover/Flange/coupling Vent/ Drain - ¼ "BSP Finish - Mirror Polish 'O' ring - Silicon Max. Operating pressure - 10 bar at 121 °C</p>	
<p>III.</p>	<p>PP Filter Bag (Polypropylene/Microglassfiber/Cotton)</p> <p>MOC - PP/Polyester/PP felt Length of Filter bag - Dia 4" x 8", 4" x10, 4"x 14.5" 4' x 17, 7" x 17, 7"x 32" Snap ring - PP/ SS/ MS Micron rating - 1, 5, 10, 25, 50, 100 microns</p>	
<p>B)</p>	<p>PP Cartridge Filter Housing</p> <p>MOC - Polypropylene Length of Filter bag - Dia 4" x 10" Long, dia 4"x17" dia 7" x 17", dia 7" x 32" Inlet/Outlet - ¾" to 1.5" BSP 'O' ring connection - Silicon, EPDM Vent - Pressure relief button Max. Operating Temperature - 50 °C Max. Operating pressure 3.5 bar</p>	

C)	Stainless Steel Cartridge Filter Housings	
I.	<p>SS Multi Cartridge Filter Housing (Polypropylene/ Microglassfiber/Cotton)</p> <p>MOC - SS304/ SS316/ SS316 L Shell dia - Changes as per the no. of cartridges Length of cartridge - 10"/ 20"/ 30"/ 40" Inlet/ Outlet - 1/2", 1", 1.5" BSP Triclover/ Flange/ coupling Vent/Drain - 1/4" BSP Finish - Mirror polish O-ring - Silicon/ EPDM/ Viton Maximum Operating Pressure - 10 Bar at 121°C</p>	
II.	<p>Stainless Steel Single Cartridge Filter Housing</p> <p>MOC - SS304/ SS316/ SS316 L Shell dia - 100 mm Length of cartridge - 10", 20", 30", 40" Inlet/ Outlet - 1/2", 1", 1.5" BSP Triclover/ Flange/ coupling Vent/Drain - 1/4" BSP Finish - Mirror polish O-ring - Silicon/ EPDM/ Viton Maximum Operating Pressure - 10 Bar at 121°C</p>	
III.	<p>SS Vent Filter Housing</p> <p>MOC - SS304/ SS316/ SS316L Length of cartridge - 10", 20", 30", 40" Shell dia - 5.51"(140mm) O-ring - Silicon, EPDM, Viton Inlet/ Outlet - 1/2", 1", 1.5" BSP/ Triclover/ flange/ coupling Finish - Mirror polish Vent/Drain - 1/4" BSP Maximum Operating Pressure - 10 Bar at 121°C</p>	

A)	Pressure Filter Holders	
I.	<p>47 Mm Pressure Filter Holder</p> <p>MOC: SS 316 Filter Size: 47mm dia Prefilter size: 42 mm dia Filtration area: 12.5 cm² Pressure: 3.5 Kg/cm² differential to 10Kg/ cm² differential Connections: Inlet ¼ “NPTF Out let ¼ “NPTM Dimension: Dia 65mm, length 50 mm</p>	
II.	<p>SS Filter Holders in Different Sizes - 293, 142, 90, & 47mm</p> <p>Sizes - 47, 90, 142 & 293mm Model Type - SSPFH47/SSPFH90/SSPFH142/SSPFH293 Stainless Steel - SS 304/ 316 Filtration area cm² - 13.5 cm²/55 cm²/145 cm²/650 cm² Connections - Inlet ¼” BSP Outlet ¼” BSP</p>	
III.	<p>Pressure Filter Holders with Reservoir</p> <p>Model - SSPFH 47/ SSPFH 90/ SSPFH 142/ SSPFH 293 Type Stainless steel - SS 304/ 316 Filtration area cm² - 13.5 cm²/55 cm²/145 cm²/650 cm² Capacity of reservoir - 200 ml/750 ml/1.5 liters/4-5 liters Connections - ¼” BSP/ Inlet ¼” BSP Outlet ¼” BSP</p> <ul style="list-style-type: none"> • Max. Pressure differential: 7 Kg/ cm² (100 psi) • Hose barb adaptors and pressure relief valve provided • Ball valves can be provided for all sizes 	

B)	Vacuum filter holder	
I.	47 Mm Vacuum Filter Unit Glass	
II.	<p>47 Mm Vacuum Filter Unit Stainless Steel MOC Body - SS 304/ SS 316 Top Filtration flask - MOC SS 304/ SS 316 Capacity 100/ 300/ 500/ 1000 ml Support for membrane filter - Stainless steel screen Clamp - Anodized aluminum Below Vacuum filtration flask – MOC - SS 304/ SS 316 Capacity 500/ 1000/ 2000 ml Stopper - Silicon rubber with central hole Pressure - Vacuum Membrane filter size - 47 mm Filtration area - 13.5 cm² SS flask can also be made as per customer specifications.</p>	
A)	<p>Simplex Filter/ Simplex Basket Strainer</p> <p>MOC, Body - SS 304/ SS 316/ Carbon steel Filter, MOC - SS 316 mesh with supported SS perforated plate Operating Pressure - 2-5 bar Test Pressure - 6 bar Operating Temp - 10 to 200 degrees C</p>	

<p>B)</p>	<p>Duplex Filter/ Duplex Basket Strainer/ Duplex Cartridge Strainer MOC, Head MOC, Body: SS 304 SS 304/ SS 316/ Carbon steel Basket dimensions - SS 316 mesh with supported SS perforated plate Operating Pressure – 2-5 bar Test Pressure - 6 bar Operating Temp - 10 to 100 degrees C Seal Material - Silicon/ EPDM Bypass Valve - Optional Drain Valve - ½” steel ball valve Vent Valve - ½” steel ball valve</p>	
<p>A)</p>	<p>Cellulose Nitrate Membrane Filters Sterilisation - Autoclavable at 121°C in dry condition. Diameters - Are available in diameters of 13, 25, 47, 90, 142 & 293 mm Max. oper. Temperature - 80°C continuous Max. oper. pressure - 3 Kg/ cm2 Biosafety - Passes the biological tests for class VI plastics as described in USP Oxidizable matter - Passes as per US</p>	
<p>B)</p>	<p>Microglass Fiber Filter Paper Grade - GF1/ GF2/ GF3 Composition - Micro glass fiber Pore Size (microns) - 1.5/2.0/3.0 Flow (ml/min/cm2) – 1250/1400/1600 Thickness (microns) 450/500/500</p>	

<p>C)</p>	<p>Nylon 66 Membrane Filter Paper Sterilisation - Autoclavable at 121°C for 5 cycles. Diameters - Are available in diameters of 13, 25, 47, 90, 142 & 293 mm Max. oper. temperature - 80°C continuous Max. oper. pressure - 3 Kg/ cm² Biosafety - Passes the biological tests for class VI plastics as described in USP Extractables with water - Within limits as specified in USP Oxidizable matter - Passes as per USP INTEGRITY TEST DATA Type - NN Pore Size - 0.22µ/0.45µ/0.8µ/1.2µ Wetting fluid – Water Bubble Point Psi – 52/35/14/12 Kg/ cm² - 3.65/2.32/0.98/0.65 Water Flow (ml/ min/ cm) – 12/38/125/185</p>	
<p>D)</p>	<p>PTFE Membrane Disc Filter Paper Media - Expanded PTFE membrane with PP support layer Color - White Max. oper. Temperature - 120°C continuous Max. oper. Pressure - 3 Kg/ cm² Sterilisation - Autoclavable at 121°C or with ethylene oxide Bubble point - 14.5 psi with IPA for 0.2 microns 10 psi with IPA for 0.45 microns</p>	

Seed Germination Paper

Product Specifications

Name of Product – Seed Germination Paper,
Type SGPJ-80

Surface - Plain

Colour - White

Basic Weight GSM - 80 GSM

Size in CMS	Packing Qty
60X60	100pcs/pack
19X13	100pcs/pack
1105X11.5	100pcs/pack

Name of Product – Seed Germination Paper,
Type SGPK-125

Surface - Crepe

Colour - Brown

Basic Weight GSM - 125 GSM

Size in CMS	Packing Qty
60X60	100pcs/pack
30X45	100pcs/pack

Name of Product – Seed Germination Paper,
Type SGPK-145

Surface - Crepe

Colour - Brown

Basic Weight GSM - 145 GSM

Size in CMS	Packing Qty
60X60	100pcs/pack
30X45	100pcs/pack

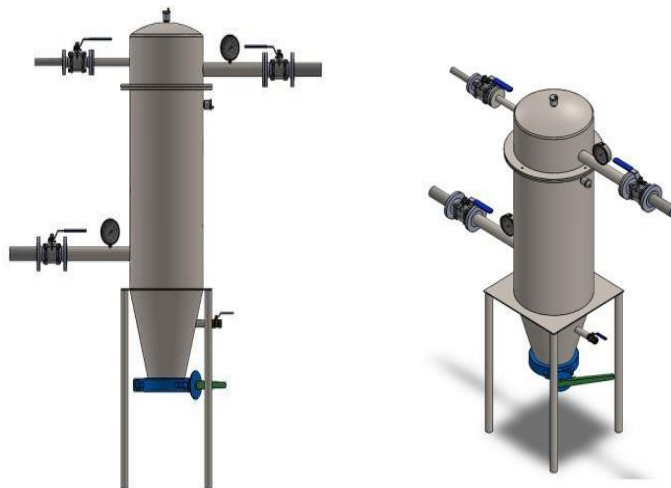
Note: Sizes as per customer specifications can also be given



E)

A)

Maximum Catalyst Retention / Recovery Filter



<p>A)</p>	<p>SS Conical Filters Micron Rating: 0.5/ 5/ 10 μ or as per your requirement MOC: SS 316 End Connections: Flange, Triclover Length: 150 mm Outer Dia: 100 mm Wall thickness: 2 mm Gasket material: Silicon Max Operating Temperature: 250°C Effective surface area: 75 cm² for 100 mm strainer.</p>	
<p>B)</p>	<p>Centrifugal Monoblock Pump Power range - 0.5kw- 3 kw Speed - 2880 RPM Versions - Single Phase: 180-220V,50HZ, A.C. supply Degree of protection - IP 44 Class of insulation - A, E, & B Direction of Rotation - Clockwise viewed from Driving end Type of Duty - S1 (Continuous)</p>	
<p>C)</p>	<p>Safe & Economical Drinking Water</p>	

D) **Kidney Loop Filtration System For Cooling Towers**



Offline Kidney Loop Diesel Filtration System

It is a Four Stage filtration system consisting of: -

- E)
- Basket Strainer-100 microns
 - Absolute pleated filter cartridge-10 microns
 - Absolute pleated filter cartridge-2 microns
 - Coalescer and separator –for water removal



F) **Reverse Osmosis Filter Systems**

8) **Tangential Edge Disc Filter**