

# DT DIYA TRADERS

Filtration Made Simple

DEALERS IN : Cartridge Filters/ AHU Filters / Hepa Filters / Dust Collection Cartridge & Various Industrial Items....

## COMPANY PROFILE :

### ABOUT US :

We are pleased to introduce ourselves as a company with immense expertise in filtration technology, offering complete solution for various filtration requirements of Air, Gas & Liquid for almost all industries like Oil & Gas, Petrochemicals, Pharma & Biotech, Steel & Power, Chemicals, Cement, Agro Chemical, Fermentation, Dyes & intermediates, Paints & inks, Food & Beverages, Metal & Minerals, Textiles, Electronics & more...

### OUR PRODUCT RANGE :

Air Filter Panels - GI, Aluminum, S.S. with HDPE, Non woven, Filter Paper ranging from 5 micron rating to 20 micron.

HEPA Filters - ranging from Eu-9 to Eu-13 Efficiency 0.3 Micron up to 99.99%

Cartridge Filters - PP Spun bonded, Wounded, Pleated, S.S. Sintered, S.S. Pleated, Cellulose Melamine.

Dust collecting cartridges for Improved filtration efficiency on sub-micron particulate (99.9% + on .2 to 2 micron)

RO Membranes for Tap water, surface water, ground water, lake water treatment for drinking water.  
Industrious Wastewater Recycling

Readymade Stitched Filter Bags - Centrifuge, FBD, Dust Collector, Neutch, Filter press Butterfly pc.

Speciality Fabric's - Fiber glass, Nomex, Rayton, Nylon Bolting, HDPE

### INFRASTRUCTURE :

We have the kind of infrastructure that facilitates every activity and each facet of our business with our trained workers & imported machinery.



## OUR PRODUCTS :

### Filter Paper



- Cellulose & Glass Fibre Filter Paper

#### Application

- Quantitative & Qualitative Analysis
- Environmental Analysis
- Particulate Detection By Color Contrast
- General Liquid Filtration
- Carbon & Filter Aid Retention
- Electrophoresis & Blotting Paper



Ahlstrom

### Filter system



- Filter Housing
- Skid Mounted System
- Back Washable Filter System
- Solid/Liquid Recovery Filter System

#### Application

- SS / CS / MS Single Bore & Multi Bore Filter Housing For Bag, Module & Cartridges
- Single Bore & Multi Bore Plastic Filter Housing For Bag & Cartridge
- Parallel & Series Filter System With Pump Or Without Pump And Skid Mounted. (As Per ASME & Under Third Party Inspection)

### Filter Pad & Module



- Cellulose & Carbon Impregnated Filter

#### Application

- Beverages - Alcoholic & Non Alcoholic
- Pharmaceutical - Sterile & Non Sterile Liquid
- Pyrogen Reduction
- Carbon & Filter Acid Retention
- Hot Oil
- Cosmetics & Toiletries
- Food & Gelatine
- Paint & Resin
- General Filtration - Liquid



CARLSON  
FILTRATION LTD

### Filter Cartridge



- Cleanable & Disposable Nominal & Absolute Rated Filter Cartridge

#### Application

- General, Potable And Process Water
- Bulk Chemical & Solvent
- Active & Spent Catalysts Retention & Recovery
- Guard Filters Before Bottling.
- RO Guard
- Utilities - Steam , Air & Gas
- Bulk Intermediates & Finished Products
- Resin Trap Filter



## Melt- blown PP Depth Filter



### Features & Benefits

- Multi-Layers Structure cartridge
- High contaminant holding capacity
- Micro-fiber melt blown cartridge, high removal ratings.
- Formed by thermal bond without use of any binders and adhesives.
- Certified by NSF42(PP) and FDA CFR Title 21

### Specification

- MOC : PP, Nylon, Polyester
- Filtration Rating : 0.5 to 100  $\mu$
- OD X ID : 63mm x 28mm , 110mm x 28mm
- Length : 10" ~ 40"

## String Wound Filter Cartridge



### Features & Benefit

- Polypropylene media is FDA CFR Title 21 listed offers excellent chemical compatibility.
- No leaching, No media migration.
- High structural stability –no shifting of media, excellent knife edge sealing.
- Lower pressure drop- liquid flows through the entire media
- Multiple length & various nominal ratings are available.

### Specification

- MOC : PP, Cotton , Glass Fiber (With PP & SS Core)
- Filtration Rating : 0.5 to 100  $\mu$
- Size : 63mm x 28mm, 110mm x 28mm
- Length : 10" ~ 40"

## Absolute Rated Pleated Filter



### Features & Benefits

- Manufactured in clean room, highly clean cartridge.
- Pre-flush with 18 Megohm-cm DI water
- End caps and connectors sealed by thermal bond, free of binder
- End configuration to fit all standard housing

### Specification

- MOC : PP, Nylon, PES, PTFE
- Support : PP
- Filtration Rating : 0.05 to 50  $\mu$  (Absolute)
- End Connection : DOE, 226, 222, internal oring etc.
- Length : 2.5" ~ 40"
- Execution : Sewn & Welded

## Multi Flow Filter Cartridge



### Features & Benefit

- Large Diameter Single Open ended horizontal cartridge
- Inside to outside flow pattern
- Available in 20" to 80" with one piece media , which ensure the higher quality filtration
- Maximum operating temperature is 80 deg C
- Recommended flow in water : 25m<sup>3</sup> / hr / 20"

### Specification

- MOC : Melt blown Polypropylene Micro-fiber
- Support : Polypropylene
- Filtration Rating : 2,4,5,10,20,40,70  $\mu$
- Outer Diameter : 6"
- Length : 20", 40", 60" & 80"



## Bag Filters



### Features & Benefits

- High performance
- All material is FDA compliant
- Wide selection of filter media. e. g. Nylon, Polypropylene, Polyester, Non woven.
- Conventional sewn bag or the poly weld seam bags available
- Broad chemical compatibility.

### Specification

- MOC : PP Needle felt, Nylon, Polyester
- Support : PP
- Filtration Rating : 0.5 to 1400
- Size : 4"x9", 4"x15", 7"x16", 7"x32"
- Collar:- Plastic, Galvanized or Stainless Steel ring
- Execution :- Sewn & Welded

## Stainless Steel Cartridges



For Filtration at high temperature and high corrosion processing application

### Features & Benefits

- High dirt holding capacity
- Low pressure drop due to high porosity
- Accurate filtration rating
- High reliable Standard specification
- Easily cleanable by conventional chemical cleaning & ultrasonic etc.

### Product Specification

- Filtration Rating : 0.5, 1, 3, 5, 10, 20, 40,75, 100μ
- Material of Construction : S.S. 316L
- Support, Core & End Cap : S.S. 304 / 316 / 316L
- Length : 10", 20", 30", 40" & in tube Forms
- Inner Diameter : 28mm
- Outer Diameter : 63mm, 70mm, 80mm
- Configuration : Double Open End (DOE)/ 1" BSP, 222, 226

## Carbon Filter Cartridge



The MOF-E series is formed Acid washed coconut shell activated carbon and is molded together with synthetic fiber binder via a wet production method. Adsorption capacity is unaffected because the surface of activated carbon is not hindered by a binder. So, can maintain high levels of chlorine reduction and chemical adsorptive capacity.

- Surface area for E3 : 1900m<sup>2</sup>/g iodine number:1600mg/g

- MOF-E2 and E3 are designed with antibacterial function in mind.
- Type : E1, E2 & E3
- Micron Rating : 5 micron
- Material of Construction : Molded Activated Carbon
- Length : 250mm, 500mm
- Diameter : 30mm ID X 65mm, 110mm(Jumbo) OD
- Configuration : Double Open End

## Filter Housing



### Features & Benefits

- Leak proof sealing
- Virgin Polypropylene for Opaque Housing & AS (Acrylonitrile styrene copolymer) Material for transparent housing to add clarity and strength
- Chemical resistance
- Available in blue bowl & black cap & white bowl & white cap

### Specification

- Sizes : Suitable for 2.5" & 4" Dia Cartridge in 5", 10" & 20" long
- End Connection : 1/2", 3/4", 1" 1-1/2"
- Available with silicone o-ring



## Dust Collecting Cartridges



### Benefits Include

- Improved filtration efficiency on sub-micron particulate (99.9% + on .2 to 2 micron)
- Greater air handling capacity for existing installations
- Improved filter life
- Ease of installation, no cages required
- Allows for the design of physically smaller units where space limitations exist
- Reduces compressed air requirements
- Increase filter area by 200-300%, resulting in lower filter ratios/and reduced operating pressure differentials

### Media Options:

- Spunbonded Polyester - for operation up to 280 degrees F
- Carbon Impregnated or Metalized for static control
- PTFE Membrane Media for ultra high efficiency, non-stick surface
- High Temperature Medias - Aramid and Ryton medias for operations up to 375 degrees F

## Resin Bonded Cellulose Melamine



### RBCM

The RBCM (resin bonded cellulose melamine) Cartridge or Cellulose Cartridge is produced from cellulose fibers, which have been intrinsically bonded together by a melamine resin, to create a solid, highly durable, yet porous structure. By treating the fiber in this fashion, we can assure a stronger cartridge that is less subject to collapse than any wound or plated cartridge.

### Media Options:

**Media** : Acrylic Fibers bonded with Phenolic  
**Resin** : Cellulose Fibers bonded with Melamine Resin (CFR 21 Listed) Removal  
**Ratings** : 1, 2, 3, 5, 10, 25, 50, 75, 100, 125, 150  $\mu$ m

### Dimensions

**Nominal lengths** : 9.75, 10, 20, 30, 40 inches  
**Outside Diameter:** 2.6 inches (6.6 cm)  
**Inside Diameter** : 1 inch (2.54 cm)

## Air Filter Panels



### Benefits Include

Panel filters are used in industries to retain particles ranging from 1 micron to 50 micron. These filters are basically air intake filters, which is working with negative pressure of systems.

**Type** : Flange or Box  
**Construction** : M.S. duly painted, Aluminium, G.I. or S.S.

### Media Options:

- The media is sandwiched between layers of HDPE mesh which act as a retainer and screens out large particles and prevents them from being embedded in the media. The media is pleated and held rigidly in place by a rod frame
- Crimps are separated by aluminium or S.S. spacers for uniform distribution of flow
- Low pressure drop due to pleated configuration
- Easy to install
- No bypassing
- High dirt holding capacity
- Washable & reusable ake
- Good mechanical strength
- Retrofit to any standard make

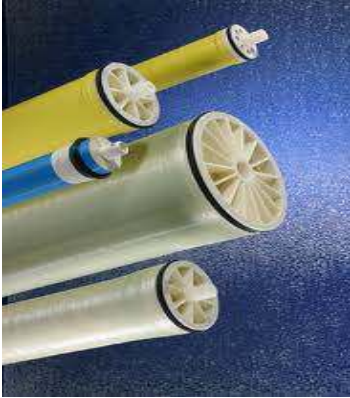
## COMPRESSOR FILTERS



Air Filters  
 Oil Filters  
 Air Oil Separators  
 Retrofit Equivalent to : Atlas, IR, Kirloskar



## Reverse Osmosis Membranes



### Benefits Include

The A-series family of unique thin-film reverse osmosis membrane elements are characterized by high flux and high sodium chloride rejection.

AK low pressure brackish water elements are selected when high rejection and low operating pressures are desired. These elements allow significant energy savings since good rejection is achieved at operating pressures as low as 689kPa (100psi).

AG standard brackish water elements are selected when high rejection and operating pressures as low as 1379kPa (200psi) are desired. These elements allow moderate energy savings and are considered a standard in the industry.

### Applications

- ✂ Tap water, surface water ,ground water, lake water treatment for drinking water.
- ✂ Industrious Wastewater Recycling
- ✂ Domestic Wastewater Treatment
- ✂ Pretreatment equipment for RO system and for seawater desalination
- ✂ Emergency drinking water system
- ✂ Other membrane separation, purification, and concentration process

**Make : GE, DOW**

## HEPA Filters



### Benefits Include

Hepa Filters are available in anodized aluminium frames.

The filter media is glass micro fiber filter paper folded around corrugated aluminium / PVC separators potted on the sides with the help of special self leveling epoxy compound, preventing by pass of air between filter pack and the sturdy frame. A closed cell sponge rubber on both the face provides a positive airtight seal on installation whether In-terminal or plenum frames.

### Media Options:

- Features :** Glass Fibre Filter paper)
- Separators :** Aluminium/ Also P.V.C. for Special Applications
- Casing :** Anodised Aluminium/S.S. 304/M.S. powder coated
- Gasket :** Soft Sponge Rubber? Neoprene Double Faced.
- SideSealant :** Epoxy Resin Maximum Penetration 0.03%- at nominal air volume on Hot DOP (Factory Test)