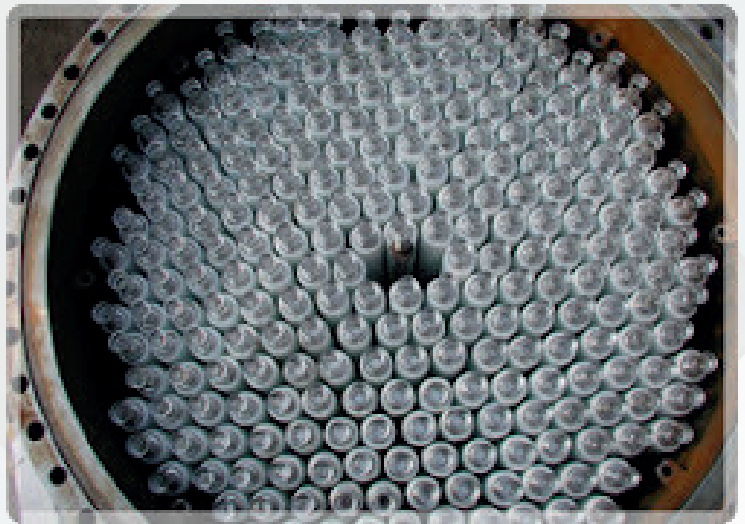


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CARTRIDGES
CARTRIDGE FILTERS



Pressure Vessels & Pressurized Equipments

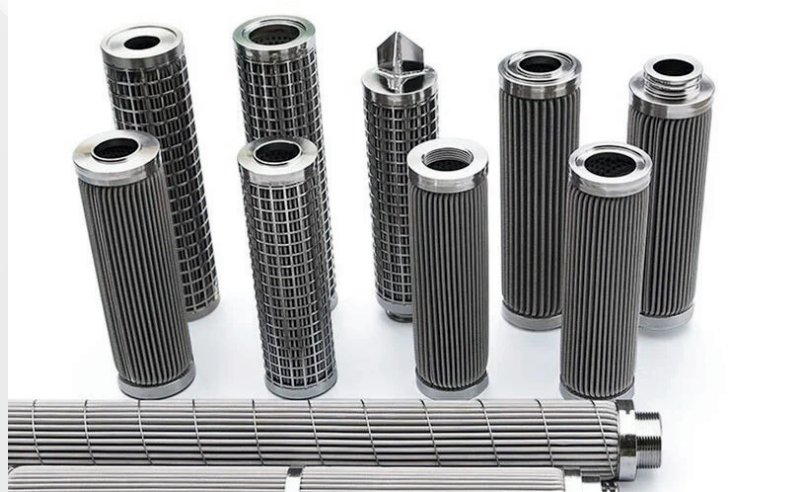
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CARTRIDGE FILTERS



Cartridge Filters – Precision Filtration for High-Purity Applications

At Ankara Pressure Vessels & Equipment (Ankara PV&E), we specialize in engineering-driven solutions for industrial filtration. Our cartridge filters provide high-efficiency and cost-effective filtration across various industries, including mining, water treatment, chemicals, food & beverage, and industrial processes. Designed for precision filtration, they ensure reliable performance, easy maintenance, and long service life.



Cartridge Filters provide precise and efficient filtration for liquids, capturing fine particles down to sub-micron levels. Designed for industries requiring high-purity filtration, they offer easy replacement, long service life, and minimal maintenance. Available in various materials and micron ratings, they ensure reliable performance in water treatment, chemicals, and industrial processes.



With decades of expertise in pressure vessel manufacturing and separation technologies, we provide high-performance, durable, and customizable filtration solutions tailored to your needs. Our cartridge filters offer precise filtration, easy maintenance, and extended service life, ensuring optimal efficiency, smooth operation, and minimal downtime across various industrial applications.



Pressure Vessels & Pressurized Equipments

CARTRIDGE TYPES

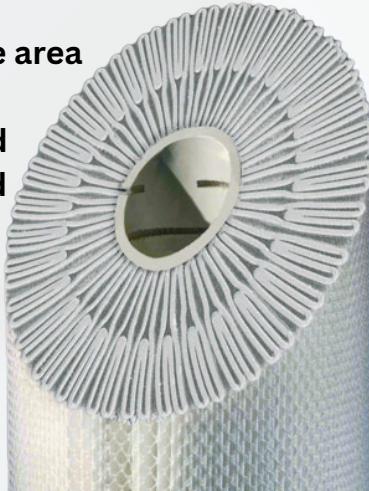


Cartridge Filter Types

Cartridge filters come in various designs to meet different industrial filtration needs. The right cartridge type ensures efficient contaminant removal, extended service life, and optimized performance for your specific application. Below are the most common types of cartridge filters:

1. Pleated Cartridge Filters

Pleated filters provide high surface area filtration, allowing for greater dirt-holding capacity and extended filter life. They are commonly used in applications requiring fine particle retention, such as water treatment, food & beverage, and pharmaceuticals.



2. Melt-Blown Cartridge Filters

These filters are made from thermally bonded fibers, offering graded density filtration for capturing particles of varying sizes. Ideal for sediment removal, they are widely used in chemical processing, oil & gas, and pre-filtration applications.



3. String-Wound Cartridge Filters

String-wound filters are constructed by wrapping a yarn-like material around a core, creating a depth filtration structure. They provide excellent sediment and particulate removal in industries like power generation, wastewater treatment, and manufacturing.

4. Activated Carbon Cartridge Filters

Designed for chlorine, taste, odor, and organic contaminant removal, activated carbon cartridges are essential in food & beverage processing, pharmaceuticals, and water purification. They help improve product quality and safety.



5. Membrane Cartridge Filters

Membrane filters offer absolute filtration with precise micron ratings, making them ideal for sterile filtration in pharmaceuticals, biotechnology, and high-purity applications. They are commonly used in final filtration processes requiring high-efficiency contaminant removal.

Each cartridge filter type serves a unique purpose, ensuring the highest level of filtration efficiency and performance for various industrial applications. Selecting the right cartridge type enhances process reliability, reduces downtime, and optimizes operational costs.



Pressure Vessels & Pressurized Equipments

CARTRIDGE FILTERS



MEET THE ANKA BAG FILTERS FAMILY SINGLE BAG FILTERS

The sizes of cartridge filter bodies vary from one cartridge to another, making it difficult to fully define a family for cartridge filters. However, a table is provided below for the defined process parameters.



Parameter	ANKARA PVE Offers
Filtration Rating	Up to 0.1 Micron
Cartridge Sizes	10"-20"-30"-40"
Number of Cartridges	Single, Multi-round: 3, 5, 10, 20,50,100
Lid Mechanism	Flat Plate- Quick Opening Closure
Desing Parameters	Up to 25 barg-160 deg C
Body Materials Pressure Vessel Design	CS-SS304 -SS316 - Duplex -Super Duplex ASME/EN13445
Flow Rate	Variable Based on Cartridge Data
Cartridge Function	Filtration/Coalescer/Active Carbon
Custom Design	Based on Performance Criteria
Purgable Cartridge Filter	Available with SS cartridge above 10micron filtration

Pressure Vessel Solutions



Storage Vessel



Multimedia Filtration Vessels



Hydraulic Surge Tanks



Reactor Vessels



Air Receivers



Hydrocyclones



Process Vessels



Bag Filters

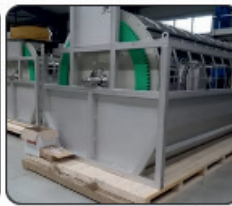
Process Equipment Solutions



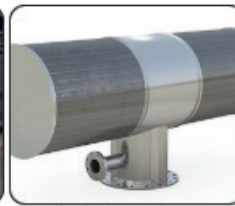
Static Rundown Screens



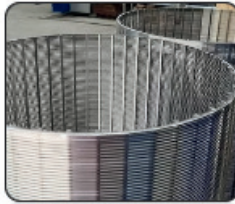
Channel Type Drum Filter



Conduit Type Drum Filter



Passive Intake Screen



Custom WedgeWire screen



Dissolved Air Flotation



Piping Spools



Inclined Belt Filter

Office & Prototype Manufacturing

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