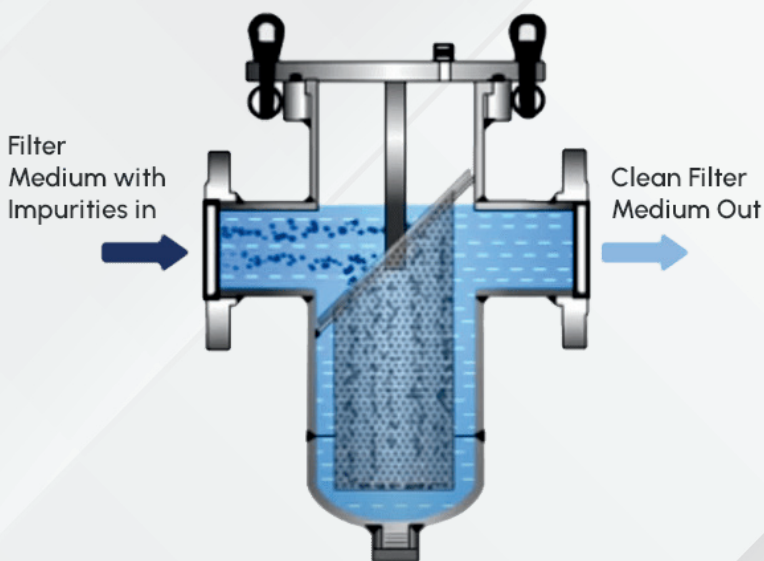


ANKA BFS

BASKET FILTER STRAINERS



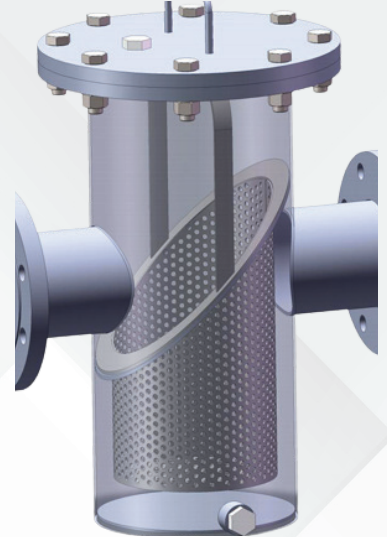
Pressure Vessels & Pressurized Equipments

BASKET FILTERS



BASKET FILTERs Simple and Effective

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.



Basket Filters provide robust and efficient filtration for liquids, removing larger particles and debris to protect downstream equipment. Designed for high-flow applications, they offer durable construction, easy cleaning, and long service life. Available in various materials and mesh sizes, they ensure reliable performance in water treatment, chemical processing, and industrial applications. With a removable basket design for quick maintenance, they deliver cost-effective and dependable filtration solutions.



A Basket Filter removes solid particles from liquids by directing flow through a perforated or mesh-lined basket. Contaminants are trapped while clean fluid exits. The removable basket allows easy cleaning and maintenance, making it ideal for high-flow applications in water treatment, chemical processing, and industrial filtration.



Pressure Vessels & Pressurized Equipments

BASKET FILTER



Basket filters are expected to be simple, easy to maintain, and ensure zero bypass. They must be robust enough to withstand water hammer effects, preventing structural failure and maintaining filtration integrity. Their design prioritizes durability, efficient contaminant removal, and seamless maintenance for reliable operation in demanding industrial applications.

Basket filters come in three main configurations based on inlet design and basket shape:

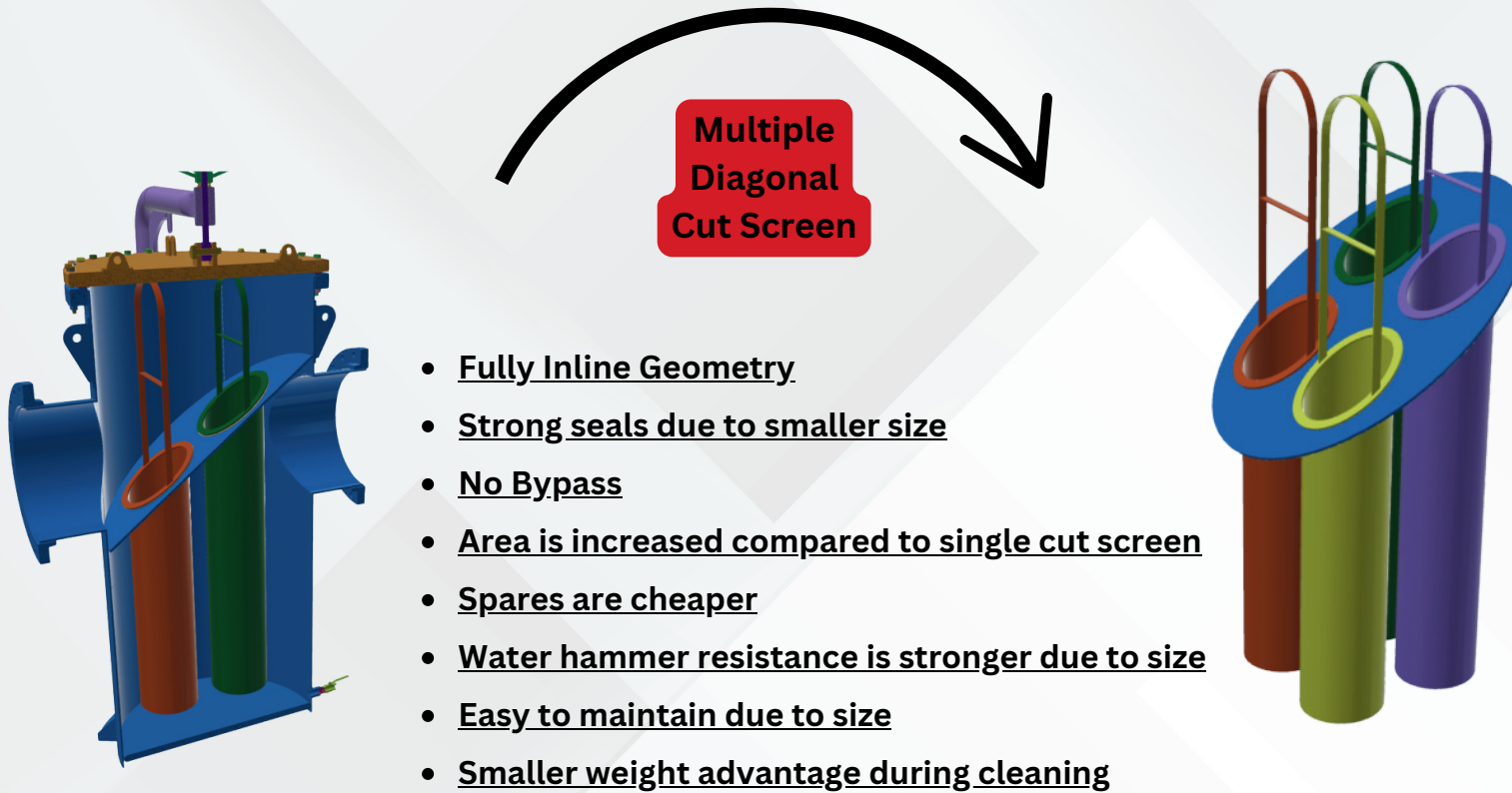


Diagonal Cut	Inlet Frame Cut	Full Circular
Bypass Avoiding Gaskets	Bypass Problem	Bypass Avoiding Gaskets
Suitable with Inline Installation	Suitable with Inline Installation	Not Suitable with inline installation, there must be elevation difference between inlet-outlet
Area Lost Larger Housing Required	Area Lost Larger Housing Required	Area Not lost, smallest pressure vessel body
Strong Against Hammers	Structurally Weak	Strong Against Hammers
Recommended Inline	Not recommended Poor design	Recommended Online

BASKET FILTER



In Ankara, we combined the advantages of each basket filter configuration to develop a Multiple Diagonal Screen concept. This innovative design enhances flow distribution, minimizes pressure drop, and maximizes filtration efficiency. By integrating multiple diagonal screens, we achieve superior contaminant capture, extended service life, and improved resistance to water hammer effects.



Parameter	ANKARA PVE Offers
Filtration Rating	Down to 20 micron
Materials	SS304-SS316-SuperDuplex Coated Carbon Steel
Design Parameters	Up to 100barg Up to 350 deg C

BASKET FILTERs



MEET THE ANKA BASKET FILTERS FAMILY MULTIPLE SCREEN SERIES

Models are named with inlet-outlet sizes. BFS 80 means filter is with DN80 inlet/outlet area

ANKA BFS	Volumetric Flow Rate	TOTAL Screen AREA	Screen Config	F-F Distance
BFS80	36m3/hr	1350cm2	1	550mm
BFS 100	57m3/hr	1350cm2	1	550mm
BFS150	127m3/hr	4000cm2	1	650mm
BFS200	226m3/hr	7000cm2	1	800mm
BFS250	353m3/hr	7000cm2	1	800mm
BFS300	509m3/hr	14300cm2	Multiple	1000mm
BFS350	693m3/hr	14300cm2	Multiple	1000mm
BFS400	905m3/hr	18000cm2	Multiple	1250mm
BFS450	1145m3/hr	18000cm2	Multiple	1250mm
BFS500	1414m3/hr	26000cm2	Multiple	1500mm
BFS600	2036m3/hr	32500cm2	Multiple	1600mm
BFS700	2771m3/hr	46000cm2	Multiple	1750mm
BFS800	3619m3/hr	60000cm2	Multiple	2000mm

Pressure Vessels & Pressurized Equipments



PRESSURE
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www.pressurevesselequipment.com

Pressure Vessel Solutions



Storage Vessel



Multimedia Filtration Vessels



Hydraulic Surge Tanks



Reactor Vessels



Air Receivers



Hydrocyclones



Process Vessels



Bag Filters

Process Equipment Solutions



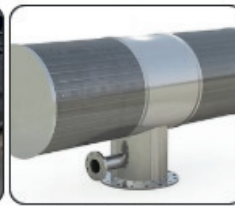
Static Rundown Screens



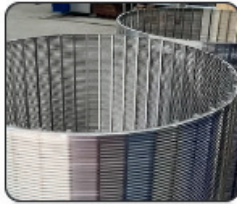
Channel Type Drum Filter



Conduit Type Drum Filter



Passive Intake Screen



Custom WedgeWire screen



Dissolved Air Flotation



Piping Spools



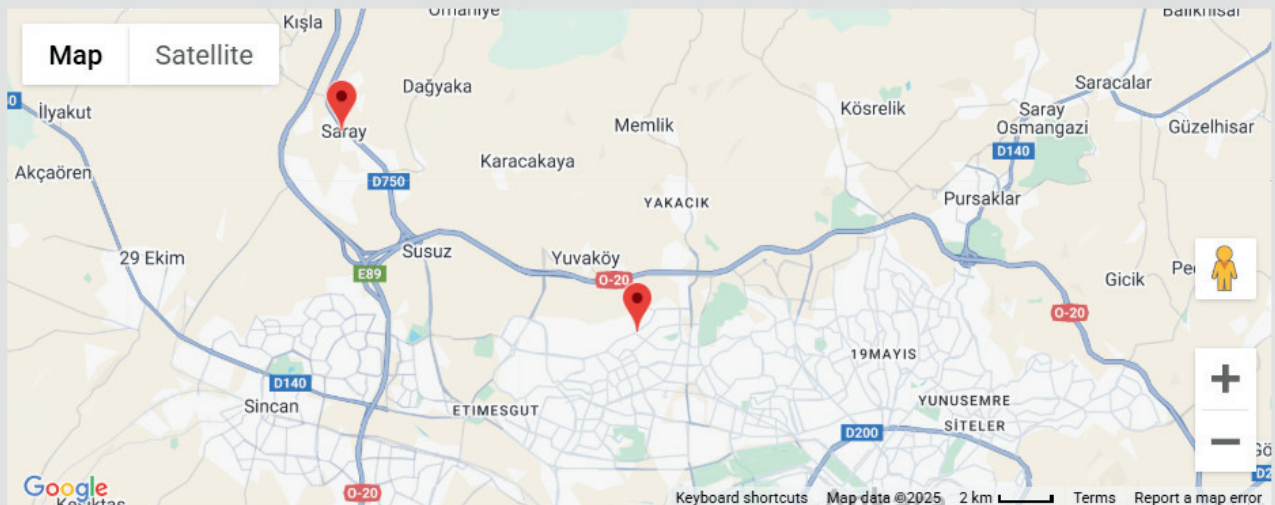
Inclined Belt Filter

Office & Prototype Manufacturing

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DESIGN <> MANUFACTURE <> VALIDATE