



PROCESS INDUSTRY SCREENS

www.dynamicoiltools.com

DYNAMIC
OIL TOOLS

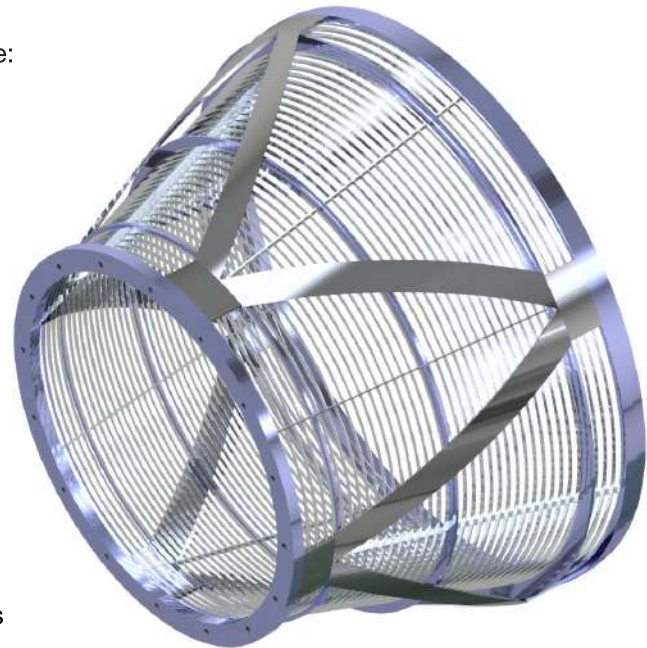
Process Industry Screens

DOT offers profile wire screens for several different applications. Each profile wire screen product is custom designed to suit the specific requirements of the customer and provides high-performance solutions.

Some of the applications where profile wire screens can be found are:

Applications

- ▶ Mining and Mineral Processes
- ▶ Water Treatment Processes
- ▶ Food and Beverage Industry
- ▶ Chemical and Pharmaceutical Industry
- ▶ Oil and Gas Industry



Benefits and Features

- ▶ Wide range of profile wires are available to suit most systems
- ▶ **Low maintenance costs:**
Separation at the screen surface which can be easily cleaned by scraping or back washing
- ▶ **Maximum process output:**
Precise and continuous slot openings resulting in accurate separation without loss off media
- ▶ **Low operational costs:**
Large open area with an effective flow, high yield and a low pressure drop (dP)
- ▶ **Long life:**
Welded at each intersection creating a strong and durable screen
- ▶ **Chemical and thermal resistant:**
A variety of corrosion resistant stainless-steel materials and many exotic alloys suitable for high temperatures and pressures



Mining and Mineral Processes

Applications: • Coal • Potash • Salt • Sand • Pulp • Paper • Other Chemicals

A.Flat Panels



B.Sieve Bends



Advantages

- High abrasion and corrosion resistance
- High temperature resistance
- Balanced and self-supporting
- Low pressure drop
- High durability
- Easy Installation
- No-clogging structure

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc.
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above



C.Centrifuge Baskets



Advantages

- High abrasion and corrosion resistance
- High temperature resistance
- Balanced and self-supporting
- Low pressure drop
- High durability
- Easy Installation
- No-clogging structure

Technical Specification:

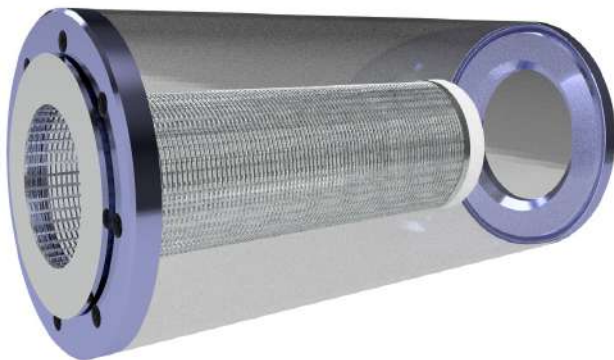
- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc.
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above

Water Treatment Processes

Applications

• Industrial Wastewater • Cooling Water • Sewage Treatment • Municipal Water Intake • Solids Dewatering • Ion Exchange

A. Resin Traps with Housing



B. Screen Support Grids



Advantages

- Easy to maintain
- Strong and durable
- Extreme applications
- Minimal pressure drop
- High open area and precise opening
- High abrasion and corrosion resistance
- High temperature resistance

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above



C. Sea Water Intake Screens



Advantages

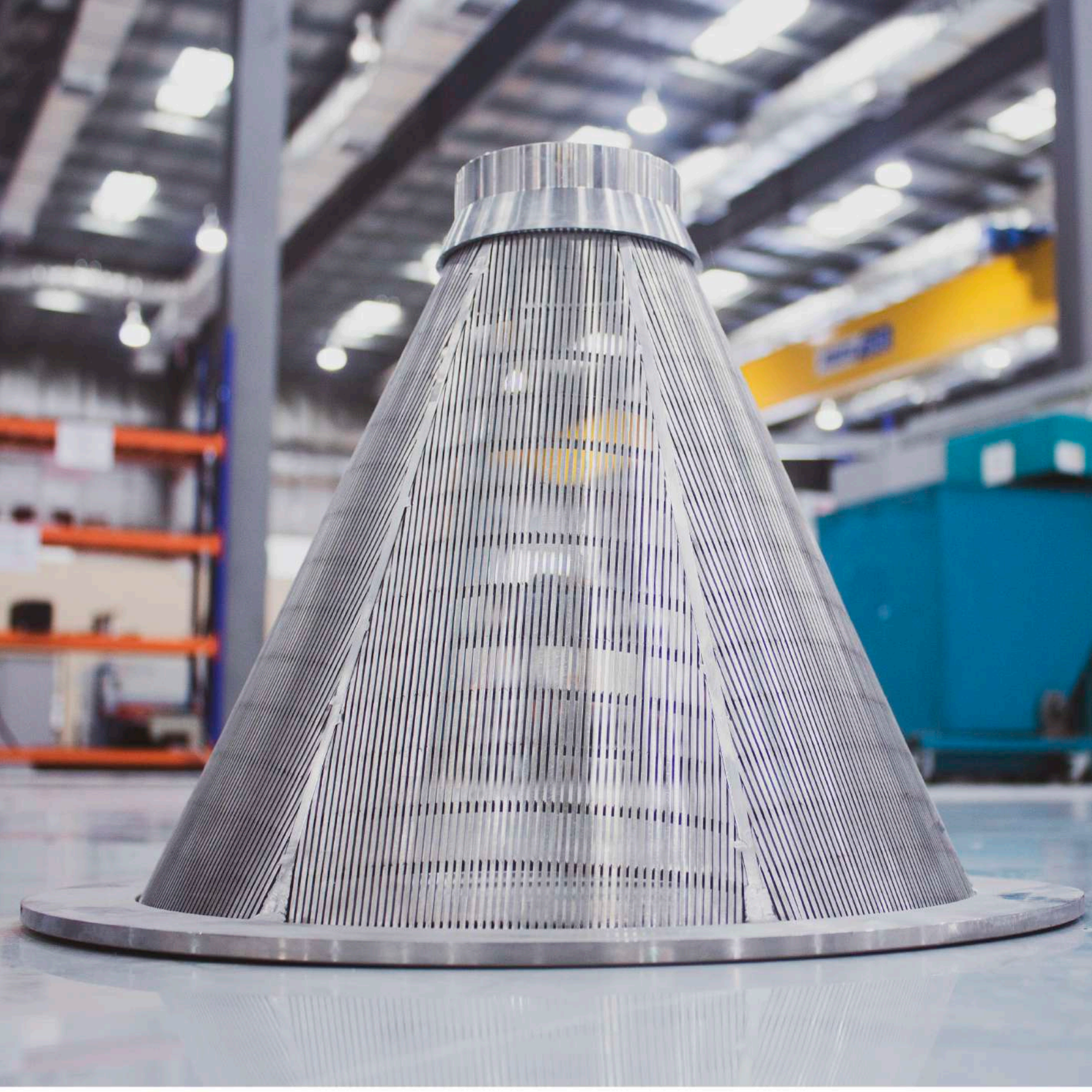
- High strength and durability
- No moving parts
- Reliable system for aquaculture protection
- Maximum water flow
- High abrasion and corrosion resistance
- High temperature resistance

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc.
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above



Manufacturing products
with the highest quality



Food and Beverage Industry

Applications

• Food processes • Brewing Processes • Sugar Processes • Corn Wet Milling • Fruit extraction • Coffee and cacao processes

A.Screen Baskets



B.Flat Sieves



Advantages

- Strong and durable
- Wide range of profile wire is available to suit most systems
- Smooth surface and long service life
- Easy of replacement will reduce downtime
- Easy to clean and backwash
- High abrasion and corrosion resistance

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above



C.Screen Support Grids



Advantages

- High strength and durability
- No moving parts
- Reliable system for aquaculture protection
- Maximum water flow
- High abrasion and corrosion resistance
- High temperature resistance

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc.
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above

Oil and Gas Industry

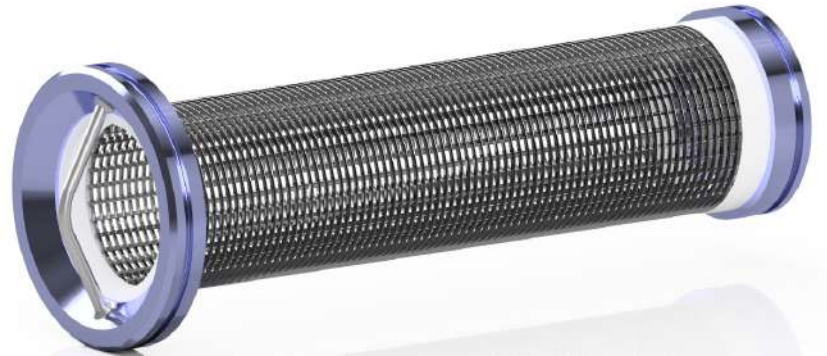
Applications

- protection of pumps, Valves etc.
- standard coiled tubing
- abrasive pumping

A. Inline Surface Filter



B. Well Test Screen



Advantages

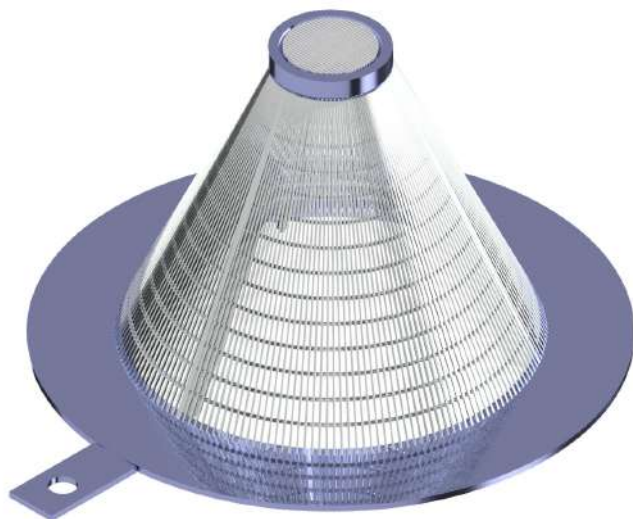
- Consistency of viscosity and smoothness
- The highest levels of product security
- Designed to allow fluids to pass, but traps debris
- High abrasion and corrosion resistance
- High temperature resistance
- Easy to install and replace
- High filtering efficiency without clogging

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc.
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above



C.Strainers



Advantages

- High filtration efficiency
- Can be installed either vertically or horizontally
- Profile wire strainer provide greater open area than perforated mesh strainer
- Particles are retained by the screen and can be easily removed for disposal
- Wide range of profiled wire are available to suit most systems

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc.
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above

Chemical and Pharmaceutical Industry

Applications

• Paints • Gas absorbers • Base Chemicals • Acids • resins • inks

A. Filter Nozzle



B. Collector/Distribution Screen



Advantages

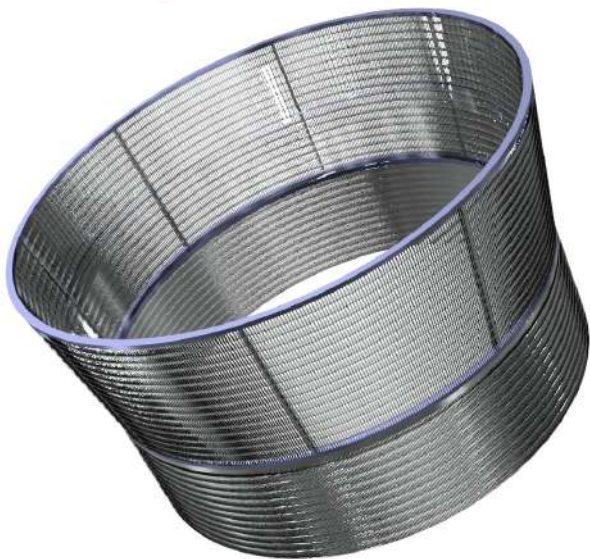
- High strength and durability
- Easy to install and replace
- High filtering performance
- Corrosion and rust resistance
- High temperature resistance
- Various ending types

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc.
- Sizes: In accordance to client's requirement
- Slot ranges: 50 microns and above



C.Centrifuge Screen Baskets



Advantages

- High filtration efficiency
- Long service life
- High abrasion and corrosion resistance
- High temperature resistance
- High open area and precise opening

Technical Specification:

- Materials: All grades of stainless steel, duplex, super duplex, alloy, etc.
- Sizes: In accordance with client's requirement
- Slot ranges: 50 microns and above



Contact us

Industrial City 3, Sector II, Block 7,
Dammam, Saudi Arabia

info@dynamicoiltools.com
www.dynamicoiltools.com

☎ : +966 13 804 1290