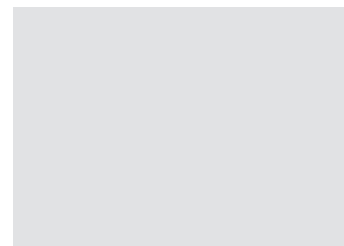
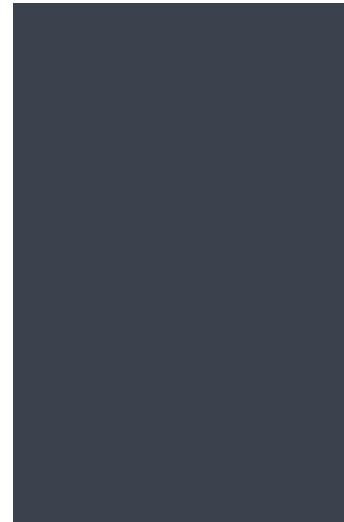
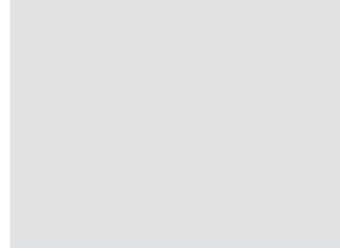
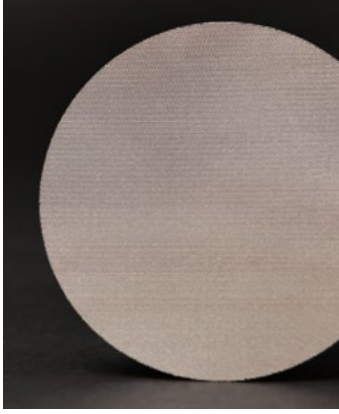




Mesh Discs

Ideal for filtering and separating chemical products, metal powders, paper, and other materials of various sizes.





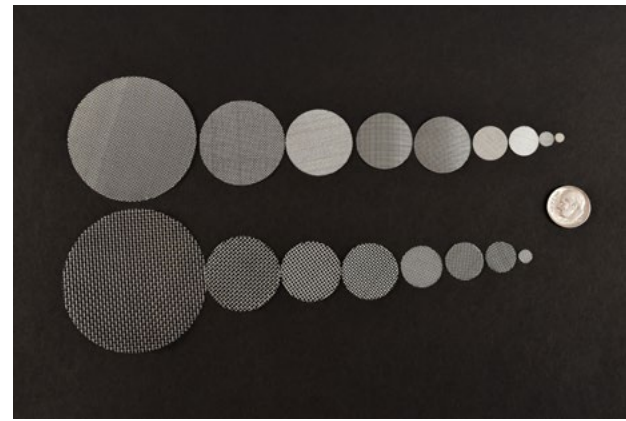
Sturdy & Long-Lasting, Functional & Versatile

Wire mesh filter discs are perfect for a wide range of filtration applications, such as sieving through wood shavings for paper, sorting phosphate fertilizers, or removing the dust from animal feed pellets.

Wire mesh filter discs are available in various metals, weave types, disc sizes, and surface finish coatings. This means there are options for any industry, from food and beverage to pulp and paper.

Explore Your Options: Metals, Weaves & Finishes

Wire mesh filter discs can make sorting many materials a snap, as well as provide durability you can count on for the most demanding projects.



Metals



Aluminum

Benefits

- ✓ Lightweight (65% lighter than steel)
- ✓ Strong
- ✓ High electrical conductivity

Galvanized

Benefits

- ✓ Rust resistant
- ✓ Wide variety of opening sizes

Sintered

Benefits

- ✓ Non-fraying fused mesh
- ✓ Oxidation resistant

Brass & Bronze

Benefits

- ✓ Abrasion resistant
- ✓ Higher tensile strength
- ✓ Rust resistant
- ✓ Durable

Micronic

Benefits

- ✓ Strong
- ✓ Precise

Stainless Steel

Benefits

- ✓ High tensile strength
- ✓ Wear resistant
- ✓ Corrosion resistant

Copper

Benefits

- ✓ Soft, easily soldered
- ✓ Ductile and malleable
- ✓ Excellent thermal and electrical conductivity

Plain Steel

Benefits

- ✓ Inexpensive
- ✓ Tough

Welded Stainless

Benefits

- ✓ Strong, consistent welds
- ✓ Non-toxic
- ✓ Non-fraying
- ✓ Large openings
- ✓ Corrosion-resistant

Uses



Depending on the combination of metal, weave, and finish type, wire mesh discs can be used in an array of applications, including:

- Particle separation and sifting (PW and TW weave types)
- Gas diffusers and hydraulic fluid filters (PDW and TDW)
- Fuel filters (TW)
- Sorting and screening abrasives, liquids, powders, and other solids
- Hydraulic filters
- Diffuser screens
- Oil strainers

Metals	Weaves	Finishes
 Aluminum	Int, PW, TW	Plain Bright Mill Finish
 Brass	Int, PW	Bare Mill Finish
 Bronze	Int, PW, TW	Bare Mill Finish, Clear Lacquered
 Copper	Int, PW, TW	No Finish
 Galvanized	PW, Welded	Black Polyester Coated, Dark Green Polyester Powder Coating, Mill Finish
 Micronic	PDW, PW, TDW, TW	Mill Finish
 Plain Steel	PW	Mill Finish
 Sintered	1 Ply, 2 Ply, 3 Ply, 5 Ply	Mill Finish
 Stainless Steel	PW, TW	Mill Finish
 Welded Stainless	Welded	Mill Finish

Weave Types



For any filtration or separation task, you'll want to choose a weave type that works with the materials at hand. Fortunately, there are a range of options!



Intercrimp (Int)

The wires of intercrimp mesh running the length of the mesh roll (warp wires) and the wires running the width of the roll (shute wires) are crimped before the mesh is woven. The corrugations in the wire increase the stability of the mesh.



Plain Dutch Weave (PDW) and Twilled Dutch Weave (TDW)

PDW and TDW wire mesh filter discs are mainly used in fluid, vacuum, and pressure filtration of liquids and gases. They're Dutch weaves, meaning they're light, tight, thick, and strong.



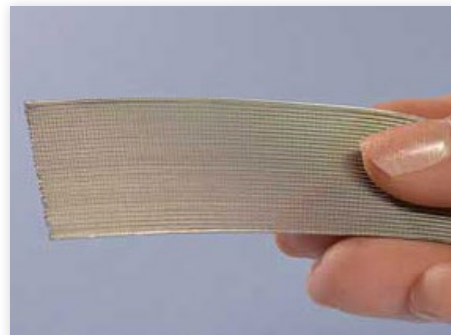
Twill (TW)

Twilled wire mesh filter discs are able to support heavier loads, high pressure, and finer filtrations than a plain weave. They don't have any visible openings and the filtrate passes through a double layer of shute wires.



Plain Weave (PW)

Plain weave wire mesh filter discs take advantage of the most commonly used weave. The thin and flexible plain weave micron mesh allows for efficient separation and classification of solid particles with high flow rates.



Sintered

Sintered wire mesh filter discs are perfect when you're seeking a single or multilayered non-fraying mesh.

Surface & Finish Coatings



Wire mesh secondary finish coatings help the material achieve a specific color and reflectivity. Additionally, these finishes usually provide another level of corrosion resistance.



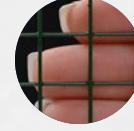
Mill Finish

Mill finished meshes are typically rough to the touch, but some can be smoother.



Clear Lacquered

Shiny bronze shines through clear lacquered meshes.



Polyester Coatings

Polyester coatings are available in dark green and black varieties for galvanized wire mesh filter discs.

Get the Job Done Right

Whether you're a plumber, chef, farmer, or factory owner, wire mesh filter discs are tough enough to tackle nearly all of your sorting needs.

From inline filters inside ducts and pipes, to sugar and salt sizing, there's no end to the uses of wire mesh filter discs.

We invite you to get in touch to discuss your project with our expert team.



This product guide provides an overview of just some of the wire mesh filter discs TWP Inc. offers by material. Contact us to learn more about our products and services.



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