

TYPICAL APPLICATIONS CHART

CARTIDGE FILTRATION

TYPE CARTRIDGE	DESCRIPTION	BENEFITS	TYPICAL APPLICATION*
Yarn Wound (Depth)	Yarn of twisted staple fibres wound around a center core.	Inexpensive, broad chemical compatability, numerous material options for many applications	Chemicals, magnetic coatings, cosmetics, oil production, food and beverage, potable water photographic applications
Non-woven (Depth)	Depth media created by layering melt-blown (extruded) fibres.	Graded pore structure, chemically inert materials, no extractables downstream	Photo chemical, potable water, solvents, ultrapure water, chemicals, beer and wine, food and beverage, enzymes, resins
Non-woven Pleated (Surface)	Pleated media: spunbonded or melt-blown sheets; paper-like.	Wide chemical compatability, large surface area per 10" cartridge, high dirt holding capacity, cheaper than depth cartridges at low microns	DI water, process water, electronics, wine filtration, photographic applications, food and beverage, various etch baths
Membrane	Polymeric sheets containing symmetric or asymmetric pores (RO membranes and most UF membranes don't have pores)	Asymmetric pores, positive mechanical retention, high flow rate, absolute ratings, resistance to bacteria, ultra fine filtration	DI water, process, water, electronics, wine filtration photographic applications magnetic coatings, chemicals, cosmetics.
Resin-Bonded	Fibres treated with resin to enhance rigidity	Rigid for high viscosity, no center core, no glues or epoxies, little media migration, one piece construction, high flow rates	Paints, inks, coatings, adhesives, oils, sealants, resins, petroleums, pesticides, salt water, varnishes
Sintered Metal	Porous media formed by sintering thin layer of metal	Absolute rating, strength, porosity, cleanability, high flow and dirt holding capacity, non-fibre releasing	High temperature, high pressure applications; corrosive fluids, polymer filtration, process steam, gas filtration, catalyst recovery
Woven Metal	Fibrous media woven into distinct pattern	Strength, cleanability, high flow, poosity, dirt holding capacity	Same as Dynalloy but at much larger micron ratings. Used more as a sieve
Granular	Porous carbon activated to develop large surface area.	Removes dissolved organics from gasses and liquids	Portable water, reverse osmosis, organics removal, instrument air, plating solutions



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