



TRI-STAR™ Series Disposable Cage Assembly

Proprietary Non-Metallic Disposable Cage Assembly

- Holds 15 Filter Cartridges in 20", 30" or 40" Lengths
- Can Be Fit With Your Choice of Pall Filter Cartridges
- Rigid Design Resists Twisting and Eliminates Bypass Potential
- Optional Cartridge O-Ring Seal Available
- 85% Faster Change Outs Compared to Individual Filters
- Reduced Operator Exposure to Hazardous or Toxic Fluids
- Entire Cage Unit Can Be Incinerated For Lower Disposal Costs
- Non-Metallic Polypropylene Construction Eliminates Potential For Sparking During Handling
- Fits Most Disposable Cage Housings

Housing Specifications

Cage Material: Polypropylene

Cage Gasket:

Standard: EPR
Optional: Viton¹ A

Maximum Operating Conditions²:

When used in authentic

Tri-Star Housings: 35 psid (2.4 bar) @ 176°F (80°C)
50 psid (3.5 bar) @ ambient
or the limit of the filter cartridge,
whichever is lower

All other cage

housings: 20 psid (1.4 bar) @ 140°F (60°C)
50 psid (3.5 bar) @ ambient

Cartridges Per Cage: 15

Standard Cartridge Lengths (nominal):

20" (50.8 cm), 30" (76.2 cm), 40" (102 cm)

Cage Dimensions (nominal):

Height: 20 5/8" (52.4 cm), 30 5/8" (77.8 cm),
40 5/8" (103 cm) (plate to gasket, not
including 2.5" (6.4 cm) high handle)

Outside Diameter: 13 1/4" (33.7 cm)

Packaging:

Cages are individually boxed and wrapped in polyethylene bags. Spent cages can be repackaged in original bags for easy disposal.



Performance Specifications

Please consult specific filter cartridge product data sheets for information such as:

- Retention Ratings
- Materials of Construction
- Flow Specifications

¹ - Registered trademark of DuPont Dow.

² - For temperature and differential pressure beyond the recommended range, please consult Technical Services.

Filter Selection

Model	Type	Media	Retention Ratings ³
Depth:			
NEXIS® A	High Efficiency CoLD technology melt blown	Polypropylene	0.5, 1, 3, 5, 10, 20, 30, 40, 50, 70, 90, 120, (>99.9% efficiency)
Nexis T	CoLD technology melt blown	Polypropylene	0.5, 1, 3, 5, 7, 10, 15, 20, 25, 30, 40, 50, 75, 100, 120, 150, 200 (90% efficiency)
CLARIS®	Economical melt blown	Polypropylene	1, 3, 5, 10, 20, 30, 50, 75 (nominal)
POLY-FINE® ARD	Spiral wrapped melt blown	Polypropylene	0.5, 1, 3, 5, 10, 20, 40, 70 (>99.9% efficiency)
DFT CLASSIC®	String wound	Polypropylene, Cotton	0.5, 1, 2, 3, 5, 7, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, 200 (nominal)
Hi-V®	Resin impregnated wound	Phenolic resin impregnated polyester	XF, 5, 10, 25, 50, 75, 125, XL (nominal)
Pleated:			
Poly-Fine XLD	Melt blown pleated depth	Polypropylene	1.5, 3, 4.5, 10, 20, 30, 40, 70, 90 (>99.9% efficiency)
Poly-Fine II	Classifying melt blown	Polypropylene	0.25, 0.45, 0.8, 2, 3, 5, 10, 30, 50, 100 (90% efficiency)
DUO-FINE®	Fiberglass	Microfiberglass	0.2, 0.45, 1, 3, 10, 30, 50 (90% efficiency)

³ - ASTM F-795 Test.

Applications

Tri-Star Disposable Cage Assemblies are ideal for applications with high flow requirements where the cage assembly reduces filter changeout time. Also recommended when filtering hazardous or toxic chemicals to minimize operator exposure.

Typical Applications Include:

- Polymer
- Power Plants
- Cooling Water
- Municipal Pre RO
- Resins
- Catalyst Recovery

Part Numbers/Ordering Information

TS - ❖ - ▼ ◆ - 1PK (e.g., TS-CLR5-30-M25N-1PK)

Code ❖	Cartridge Nomenclature	Code ▼	Cartridge-to-Cage Seal	Code ◆	O-ring Materials (M25 only)
	Standard filter cartridge nomenclature	Blank ⁴	Industrial DOE, double knife edge seal to cage	S	Silicone
		-M25	Internal O-ring seal to cage posts	N	Buna N
				V	Viton A
				E	EPDM

⁴ - Available for Nexis, Claris, and DFT Classic filters only.



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