# E-DS Series

## Depth Stack Media Filter Cartridges

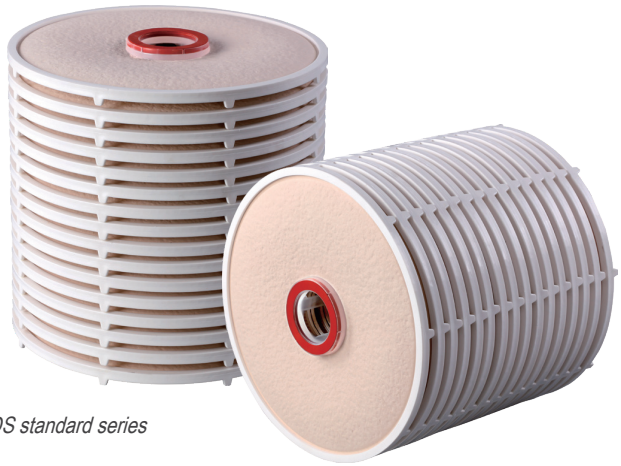
*Leading Filtration into the Future*

Our E-DS series depth-stack filter sheet media cartridges provide highly efficient clarification in biopharmaceutical, cosmetic, and food/ beverage processing.

The dual separator construction provides support and stability to prevent deformity while in use and during hot water sanitization. Rigid external clips allow ease of handling and prevent damage during loading & unloading steps. Available in a broad range of ratings.

The E-DSE series features a robust encapsulated construction allowing modules to be backwashed, removing accumulated solids. This prolongs life of the module and reduces operational costs.

Component materials comply with US FDA and EU regulations for safe use with food products and potable water.



*E-DS standard series*



*E-DSE encapsulated series*

## Features

- Durable and inert polypropylene hardware components
- Controlled back-washing allows extended life
- Easy & reliable handling
- Tolerates hot water sanitization

## Applications

- Beer, wine, juices, dairy products
- Food products & ingredients
- Cannabis oils
- Edible oils, sugars
- Blood products, vaccines, antibiotics
- Perfumes, lotions, shampoos, deodorants

## Product Quality

- Produced in a Class 10,000 clean-room environment for product purity & cleanliness.
- Manufactured within an ISO 9001:2015 certified quality management system.
- Halal certified.
- Each filter element is inspected for compliance with requirements for manufactured cartridge integrity.
- Plastic components meet Biological Reactivity Test requirements of USP <88> for Plastics Class VI-121°C.

## Materials of Construction

| | |
|---|---|
| Media: | Cellulose fiber, diatomaceous earth, resin |
| Cage; End Caps: | Polypropylene |
| Seal Options: | Silicone (standard), NBR, EPDM, FKM |

## Dimensions

| | |
|---|---|
| Diameter: | 12", 16" |
| Cell Qty: | 12, 15, 16 |

## Operating Conditions

| | |
|---|---|
| Operating Temperature: | 80°C (176°F) max. |
| Change-Out dP: | 2.6 bar (38 psi) @ 20°C (68°F) |

## Ordering Information . . . E-DS standard series Depth-Stack modules

E-DS — □□□□ — □□ — □□□ — □□ — □

**Removal Rating**
- 0020 = 0.2 - 0.4µm
- 0040 = 0.4 - 0.6µm
- 0060 = 0.6 - 1µm
- 0100 = 1 - 3µm
- 0300 = 3 - 7µm
- 1000 = 10 - 15µm
- 2500 = 25 - 30µm

**OD**
- 12 = 12"
- 16 = 16"

**End Cap Type**
- DOE = DOE

**Cell Qty**
- 12 = 12
- 16 = 16

**Seal Material**
- S = Silicone
- E = EPDM
- B = NBR
- V = FKM

*For special configuration requirements, please inquire.*

## Ordering Information . . . E-DSE encapsulated series Depth-Stack modules

E-DSE — □□□□ — □□ — □□□ — □□ — □

**Removal Rating**
- 0020 = 0.2 - 0.4µm
- 0040 = 0.4 - 0.6µm
- 0060 = 0.6 - 1µm
- 0100 = 1 - 3µm
- 0300 = 3 - 7µm
- 1000 = 10 - 15µm
- 2500 = 25 - 30µm

**OD**
- 12 = 12"

**End Cap Type**
- DOE = DOE

**Cell Qty**
- 15 = 15

**Seal Material**
- S = Silicone
- E = EPDM
- B = NBR
- V = FKM



*Endoer offers a range of sanitary housings for the E-DS cartridges. For more details, please inquire.*

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DISCLAIMER: The filtration data presented is representative of performance characterized in a laboratory setting. The data is not offered as a warranty, specification, or statement of fitness for a specific application. Performance can vary greatly depending on the fluid, contaminants present, flow conditions, and operating environment. Users are advised to conduct comprehensive qualification testing to substantiate that the product performs as required.

See the applicable Product Performance & Operating Guide for additional information on the function and capabilities of the product.



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