



Darly SIN Series filter cartridges are composed of high purity industrial grade titanium powder with all elements sintered at high temperatures. It features anti-chemical corrosion, oxidation and high temperature resistance, and long service life. As a low viscosity liquid cartridge, this cartridge has excellent solid-liquid separation efficiency. It is mainly used as a chemical filter to remove ozone depleting substance and for removing carbon dioxide in food, pharmaceutical, and water treatment applications.

## Features

- High purity titanium construction
- High temperature corrosive and oxidation resistant
- Uniform structure with narrow pore size distribution and high filtration efficiency
- No free falling particles
- High porosity, low filtration resistance and high filtration efficiency
- Good compatibility with human tissue and blood due to its non-toxic and non-magnetic nature

## Ordering Information

|                       |                 |                       |               |                     |                      |          |
|-----------------------|-----------------|-----------------------|---------------|---------------------|----------------------|----------|
| <b>SIN</b>            | <b>60</b>       | <b>304</b>            | <b>0100</b>   | <b>5</b>            | <b>M</b>             | <b>E</b> |
| <b>Outer Diameter</b> | <b>Material</b> | <b>Removal Rating</b> | <b>Length</b> | <b>End Cap Type</b> | <b>Seal Material</b> |          |
| 60 = 60mm             | Titanium        | 0100 = 1µm            | 5 = 5"        | F = Double Open End | S = Silicone         |          |
| 65 = 65mm             |                 | 0300 = 3µm            | 10 = 10"      | M = 222/Flat        | E = EPDM             |          |
| 68 = 68mm             |                 | 0500 = 5µm            | 20 = 20"      | T = 226/Flat        | B = NBR              |          |
|                       |                 | 1000 = 10µm           | 30 = 30"      | S = Screw           | V = FKM              |          |
|                       |                 | 2000 = 20µm           | 40 = 40"      |                     | T = E-FKM            |          |

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.

## Applications

- Steam Filtration
- Oxidizing Liquids
- Corrosive Liquids
- Liquid/gas filtration at high temperature and pressure
- Viscous Liquids
- Strong-polar Liquids
- Liquid Filtration for Decarburization

## Dimensions

|        |                        |
|--------|------------------------|
| OD     | 60mm/65mm/68mm         |
| Length | 5", 10", 20", 30", 40" |

## Material of Constructions

|                    |                                 |
|--------------------|---------------------------------|
| Media              | High-purity Titanium            |
| End Caps           | High-purity Titanium            |
| Screw Cap          | 304SS                           |
| Reinforcing Layers | 304/316SS                       |
| Sealing            | Silicone, EPDM, NBR, FKM, E-FKM |

## Performance

|                            |        |
|----------------------------|--------|
| Max. Operating Temperature | 280°C  |
| Max. Operating DP          | 3.0bar |

## Quality

Manufactured according to ISO9001:2015 certified Quality Management System

