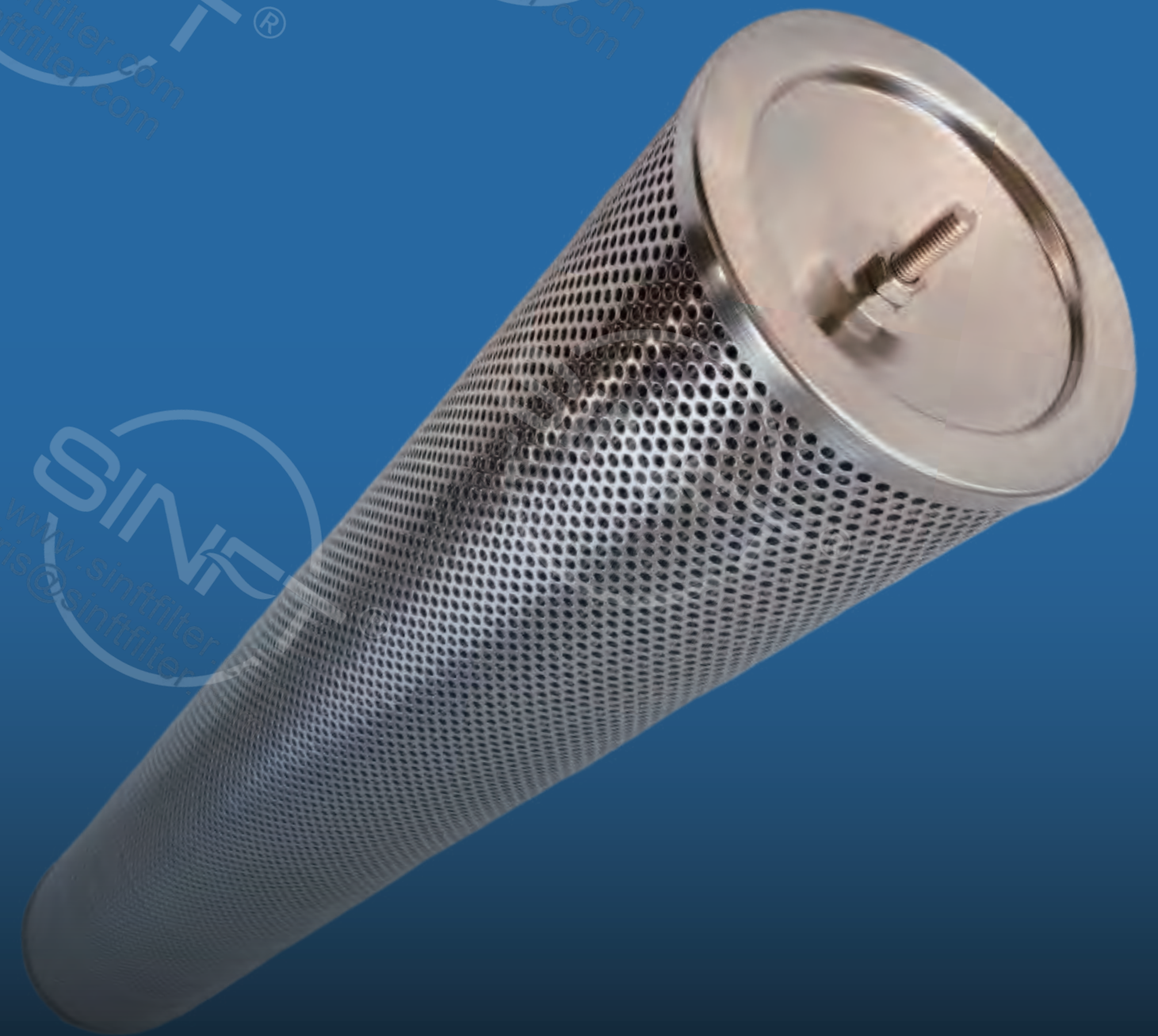


# YOUR SOLUTIONS FOR REPLACING INDUFIL FILTER ELEMENTS

From Hebei Sinft Filter Co., Ltd.



website: [www.sinftfilter.com](http://www.sinftfilter.com)

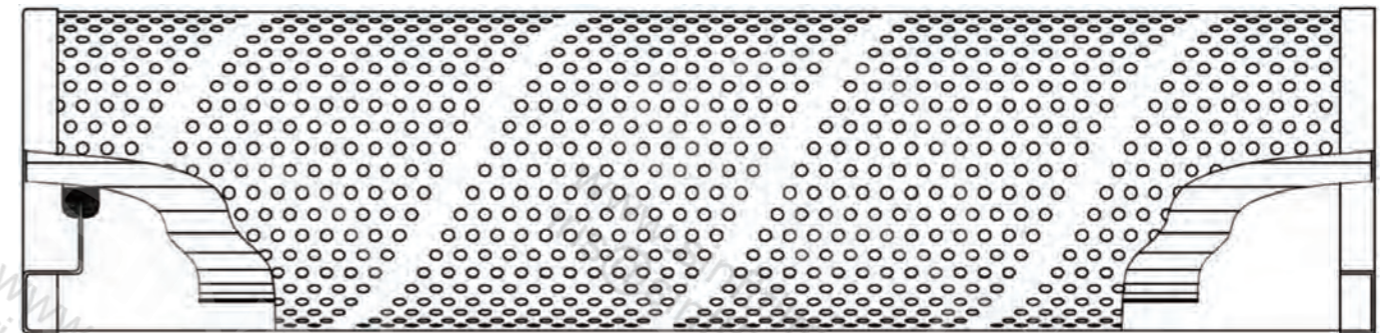
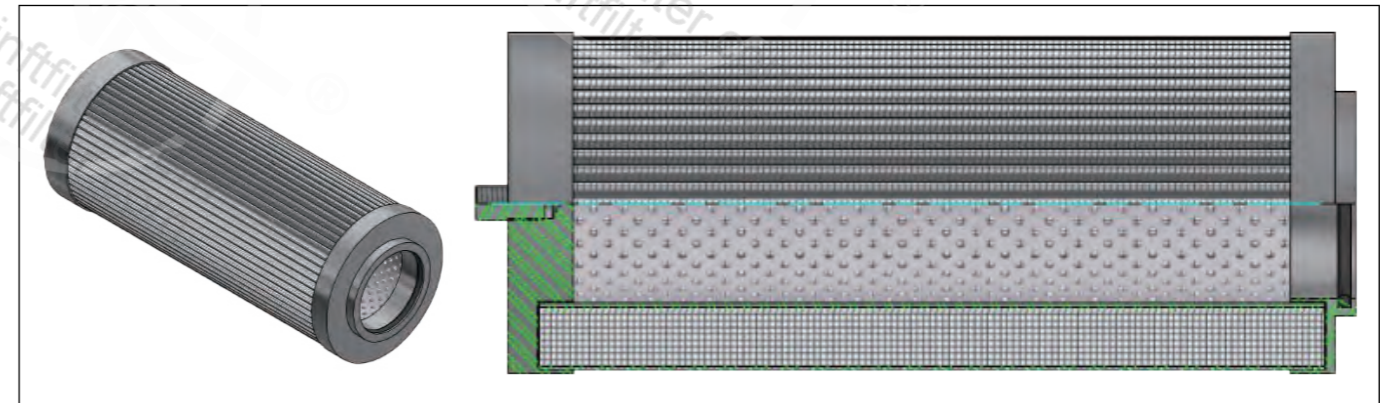
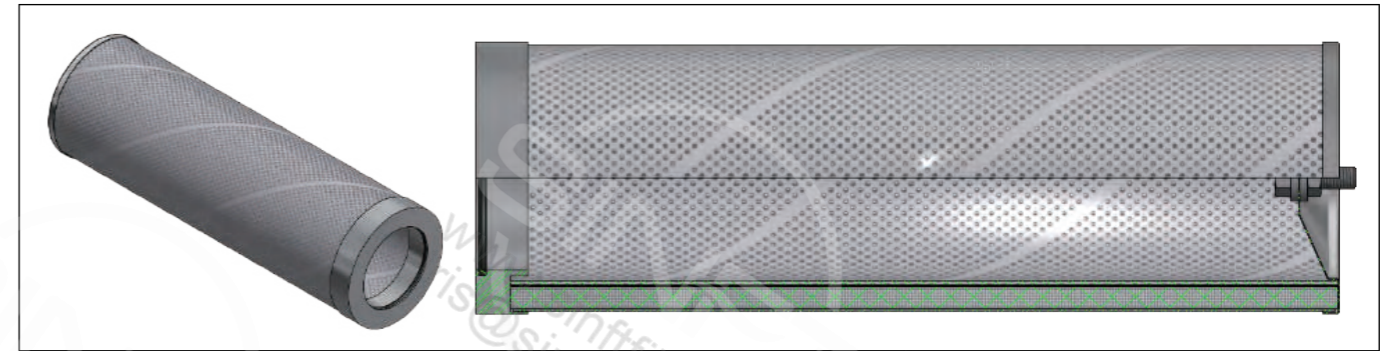


email: [iris@sinftfilter.com](mailto:iris@sinftfilter.com)



+8615303112602

■ DRAWINGS FOR EVERY FILTER ELEMENT



# WHAT CAN SINFT PROVIDE YOU?

■ INTRODUCTION:

SINFT company is located in Shijiazhuang City, Hebei Province, with a factory that covering 26,658 m2. Through 16 years of experience accumulation and technology development in filtration area, SINFT has become an excellent filtration products manufacturer in the industrial industry.

SINFT supply the full range replacements of Indufil® Filter Elements for both Gas and Liquid applications. As we all know, the performance of a filter unit is entirely dependent on the elements fitted. The user must be careful when buying the replacement filters as there are many copy products on the market which are not fit for purpose. SINFT replacement elements can be perfectly suited to your unique needs.

■ MAIN PRODUCTS CATEGORY:

- High Pressure Filter Elements
- Stainless Steel Filter Elements
- Low Pressure Filter Elements
- Pipeline Basket Strainer (Simplex&Duplex)
- Hydraulic Filter Elements
- Customized Filter Elements

■ REPLACEMENT FILTER ELEMENTS FOR OVER 200 BRANDS

INDUFIL, PALL, HYDAC, HILCO, BOLL&KIRTCH, MOATTI, FILTREC, INTERNORMAN, PARKER, SF, STAUFF, HIFI, MP, VICKERS, DONALDSON, MP, ARGO, REXROTH, HY-PRO, EATON, TAISEIKOGYO, ARGO, EPE, etc.

All SINFT replacements can be perfectly suitable for INDUFIL filter system, this conclusion is from our regular cooperation client.

- Filter Elements for Liquid Fuel Filters
- Filter Elements for Gas Filters
- Filter Elements for Demineralized Water Filters

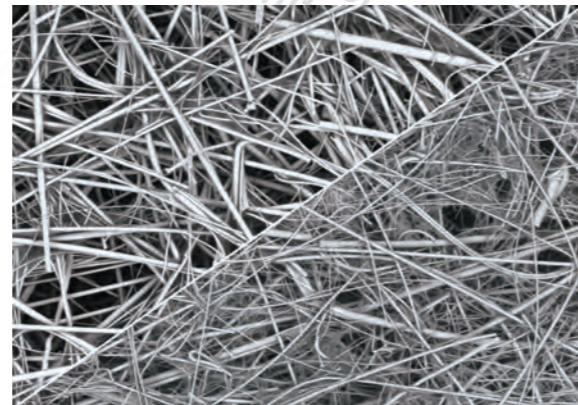
## SINFT MATERIALS CHOICES FOR REPLACING INDUFIL FILTER ELEMENTS

SINFT filter elements are designed to meet the specifications of the OEM filtration media and surface area. We use high quality media for our filter elements. We have 3 agents of imported raw materials to support ours' production including cellulose fiber, fiberglass, stainless steel wire mesh, and other specialty filtration medias for high pressure or special applications.

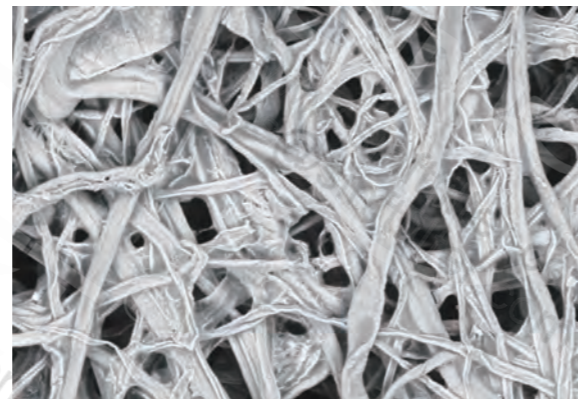
SINFT replacements with a high dirt-holding capacity to ensure consistent filter efficiency and long element service-life. Filter materials are the most important parts for a qualified filter elements.

### DIFFERENT MATERIALS FOR INDUFIL FILTER ELEMENT REPLACEMENT

**GF:** Glass fibers, it it a common choice for filter media because they are durable, resistant to moisture, and can withstand high temperatures.



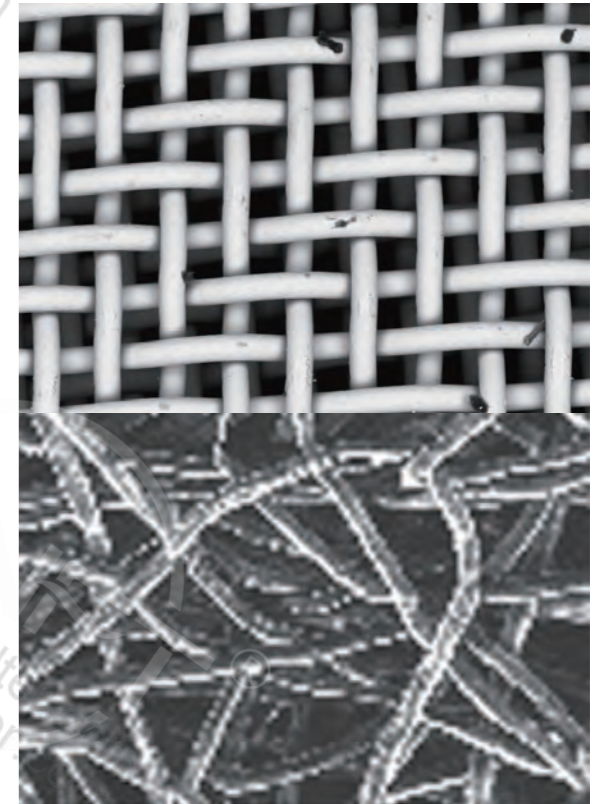
**CC:** Cellulose-based media: such as paper, are commonly used in hydraulic oil filtration. They provide good filtration efficiency for removing particulate contaminants and have a high dirt-holding capacity.



**PX:** Polyester-based media, a kind of synthetic fiber filter media, which is made from synthetic fibers and has a tighter weave. Synthetic fiber filter media can achieve high filtration efficiencies, capturing a wide range of particle sizes. They are designed to effectively remove contaminants, including solid particles, dust, pollen, lint, and fine particulate matter, from air, liquids, and gases.



**SS:** Stainless Steel; There are several types of filtration media made of stainless steel. Here are some common examples: wire mesh; sintered powder/wire mesh; perforated metal sheets; stainless steel fiber media. They can provide effective filtration for larger particles and can be easily cleaned and reused.



SINFT filter elements are designed to replace Indufil filter elements, and effectively remove contaminants from fluids and gases to ensure product quality, equipment protection, and process efficiency.

## APPLICATIONS OF SINFT EQUIVALENT TO INDUFIL

This filter element can be used for filtering hydraulic fluid, water glycols, diesel, machining fluids, lubricating oil, coolants, gasoline, process fluids, turbine and compressor lube oils, synthetic lubricants, and many more chemicals. And especially for INDUFIL filtration systems.



|                     |                          |                          |
|---------------------|--------------------------|--------------------------|
|                     | OIL AND GAS              | POWER GENERATION         |
| FUEL GAS FILTRATION | GAS TURBINES             | GAS TURBINES             |
| FUEL OIL FILTRATION | GAS TURBINES             | GAS TURBINES             |
| LIQUID FILTRATION   | GAS TURBINES             | GEARBOXES                |
|                     | STEAM TURBINES           | STEAM TURBINES           |
|                     | GAS TURBINES             | GAS TURBINES             |
|                     | CENTRIFUGAL COMPRESSORES | GENERATORS               |
|                     | OTHER COMPRESSORE TYPES  | OTHER ROTATING EQUIPMENT |

## SINFT REPLACEMENT CHARACTERISTICS

### CONSTRUCTIONS OF FILTER ELEMENTS:



- 1 Protection layer: metallic, surface-coated for corrosion protection;
- 2 External metal mesh: which support for protection of the filtration medias from flow and pressure fluctuations and also protect the element's pleated structure.
- 3 External pre-filtration layer: be made of synthetic fibres available in two types: polyester material for protection of filter medias manufactured in microfibre (ultra-fine and fine); microfibre material (fibreglass) for elements retaining large size solid particulates.
- 4 Filter layer: microglass fibre. Primary microfibre filtration for fine applications ensuring maximum dirt-holding capacity combined with low pressure drop characteristics.
- 5 Polyester downstream support for protection layer of the pleat structure.
- 6 Metal mesh for internal support of the filter medias to maintain the integrity of the overall element pleat pack. The mesh is available in stainless steel, or carbon steel with epoxy resin coating.
- 7 Support Core: protection of the element assembly from differential pressures is provided by the perforated inner support tube ensuring the integrity of the filter element pleat pack therefore preventing its collapse.

### SINFT REPLACEMENT FILTER ELEMENTS ADVANTAGES

- Made in self-factory and flexible to ship on demand.
- Exact fit in accordance with the original elements.
- Ensure performance in filtration efficiency and dirt holding.
- High quality raw materials exceed the specifications of the original OEM part.
- Elements are inspected and packaged safety to shipment.

### FILTRATION EFFICIENCY OF SINFT FILTER ELEMENTS

Different raw materials are available in various filter micron ratings, the retention efficiency of which is designated by the beta value ( $\beta$ ): The larger the beta value, the more particles are retained by the filter and the higher the retention efficiency.

8000

$\geq x \mu\text{m}$



| No. of particles after filter | $\beta$ value | Retention efficiency |
|-------------------------------|---------------|----------------------|
| 800                           | 10            | 90 %                 |
| 400                           | 20            | 95 %                 |
| 80                            | 100           | 99 %                 |
| 40                            | 200           | 99.50 %              |
| 8                             | 1,000         | 99.90 %              |
| 1.6                           | 5,000         | 99.98 %              |

The beta value provides information about the retention efficiency and thus the performance of a filter element.

All filter elements can be customized for your specific demand.

Our goal is to provide customized services to our clients.

With our extensive experience in production and R&D technology, SINFT can be your trusted partner.

### SINFT QUALITY ASSURANCE

SINFT produces high quality accessories and spare parts compatible with major brands in the world market with much competitive prices. We use advanced, professional, automated and precise equipment to escort the orders, and our professional quality department from the operator to the precise control system of the machine which all ensure the safety and reliability of the quality.



Bubbling Test Bench



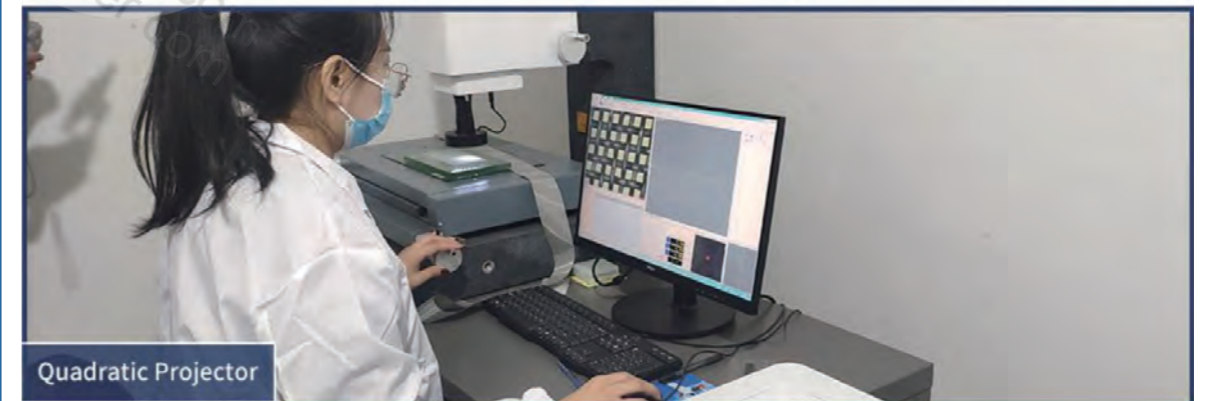
Burst Tester



Handheld Spectrometer



Air Permeability Tester



Quadratic Projector

# SINFT QUALITY ASSURANCE

SINFT filters and filter elements are produced according to the following international standards:

| Norm        | Designation  |
|-------------|--|
| ISO 2941    | Hydraulic fluid power filter elements; verification of collapse/burst resistance                           |
| ISO 2942    | Hydraulic fluid power filter elements; verification of fabrication integrity                               |
| ISO 2943    | Hydraulic fluid power filter elements; verification of material compatibility with fluids                  |
| ISO 3723    | Hydraulic fluid power filter elements; method for end load test  |
| ISO 3724    | Hydraulic fluid power filter elements; verification of flow fatigue characteristics                        |
| ISO 3968    | Hydraulic fluid power-filters-evaluation of pressure drop versus flow characteristics                      |
| ISO 10771.1 | Fatigue pressure testing of metal containing envelopes in hydraulic fluid applications                     |
| ISO 16889   | Hydraulic fluid power filters; multi-pass method for evaluation filtration performance of a filter element |

The development, manufacture and assembly of SINFT filter elements is carried out within the framework of a certified quality management system in accordance with ISO 9001:2015. Meantime, SINFT products are guaranteed under CE, EPR, etc.



# SINFT RETROFITS MODELS FOR INDUFIL

Below are the sampling of replacement filter elements SINFT can offer to replace Indufil. Please email us if your part number isn't listed.

## SINFT CROSS REFERENCE TO INDUFIL FILTER ELEMENTS

|  |  |  |
|--|--|--|
| INR-Z-1813-H-CC **(-V)<br>INR-Z-1813-H-GF**(-V)<br>INR-Z-1813-PX**(-V)<br>INR-Z-1813-A-CC**(-V)<br>INR-Z-1813-A-GF**(-V)<br>INR-Z-1813-A-PX**(-V)<br>NR-Z-1813-A-PX1**(-V)<br>INR-Z-1813-CC**(-V)<br>INR-Z-1813-GF**(-V)             | INR-Z-200-A-CC **(-V)<br>INR-Z-200-A-GF **(-V)<br>INR-Z-200-A-PX **(-V)<br>INR-Z-200-CC **(-V)<br>INR-Z-200-GF**(-V)<br>INR-Z-200-H-CC**(-V)<br>INR-Z-200-H-GF**(-V)<br>INR-Z-200-PX**(-V)   | INR-Z-220-A-CC**(-V)<br>INR-Z-220-A-GF**(-V)<br>INR-Z-220-A-PX**(-V)<br>INR-Z-220-A-SS**(-V)<br>INR-Z-220-CC**(-V)<br>INR-Z-220-GF**(-V)<br>INR-Z-220-PX**(-V)<br>INR-Z-220-H-CC**(-V)<br>INR-Z-220-H-GF**(-V)   |
| VTR-S-400-GF**(-V)<br>VTR-S-400-CC**(-V)<br>VTR-S-400-A-GF**(-V)<br>VTR-S-400-A-CC**(-V)<br>VTR-S-400-A-GF**(-V)<br>VTR-S-400-A-CC**(-V)<br>VTR-S-200-GF**(-V)<br>VTR-S-200-A-GF**(-V)<br>VTR-S-200-A-CC**(-V)<br>VTR-S-200-CC**(-V) | VTR-Z-700-GF**(-V)<br>VTR-Z-700-CC**(-V)<br>VTR-Z-700-A-GF**(-V)<br>VTR-Z-700-A-CC**(-V)<br>VTR-Z-620-GF**(-V)<br>VTR-Z-620-CC**(-V)<br>VTR-Z-620-A-GF**(-V)<br>VTR-Z-620-A-CC**(-V)<br>VTR-Z-400-GF**(-V)<br>VTR-Z-400-CC**(-V)<br>VTR-Z-400-A-GF**(-V)<br>VTR-Z-400-A-CC**(-V) | VTR-Z-320-GF**(-V)<br>VTR-Z-320-CC**(-V)<br>VTR-Z-320-A-GF**(-V)<br>VTR-Z-320-A-CC**(-V)<br>VTR-Z-220-CC**(-V)<br>VTR-Z-220-GF**(-V)<br>VTR-Z-200-GF**(-V)<br>VTR-Z-200-CC**(-V)<br>VTR-Z-200-A-GF**(-V)<br>VTR-Z-200-A-CC**(-V)<br>VTR-Z-200-GF**(-V)<br>VTR-Z-200-A-CC**(-V) |
| INR-Z-00320-API-PF**(-V)<br>INR-Z-0320-CC**(-V)<br>INR-Z-0620-API-PF**(-V)<br>INR-Z-0700-API-PF**(-V)<br>INR-Z-0880-API-PF**(-V)   | INR-Z-320-A-CC**(-V)<br>INR-Z-320-A-GF**(-V)<br>INR-Z-320-A-PX**(-V)<br>INR-Z-320-CC**(-V)<br>INR-Z-320-GF**(-V)   | INR-Z-326-A-CC**(-V)<br>INR-Z-326-A-GF**(-V)<br>INR-Z-326-A-PX**(-V)<br>INR-Z-326-CC**(-V)<br>INR-Z-326-GF**(-V)   |

## SINFT RETROFITS MODELS FOR INDUFIL

|  |  |  |
|--|--|--|
| INR-Z-1800-A-CC**(-V)<br>INR-Z-1800-API-PF**(-V)<br>INR-Z-1800-CC**(-V)  | INR-Z-320-H-CC**(-V)<br>INR-Z-320-H-GF**(-V)<br>INR-Z-320-PX**(-V)   | INR-Z-326-PX**(-V)   |
| MDR-S-180-A-CC<br>MDR-S-180-A-GF<br>MDR-S-180-A-PX<br>MDR-S-180-GF<br>MDR-S-180-CC<br>MDR-S-180-H-CC<br>MDR-S-180-H-GF<br>MDR-S-180-PX   | MDR-S-1813-A-CC**(-V)<br>MDR-S-1813-A-GF**(-V)<br>MDR-S-1813-A-PX**(-V)<br>MDR-S-1813-CC**(-V)<br>MDR-S-1813-GF**(-V)<br>MDR-S-1813-PX**(-V)<br>MDR-S-1813-H-CC**(-V)<br>MDR-S-1813-H-GF**(-V)   | MDR-Z-1813-A-CC<br>MDR-Z-1813-A-GF<br>MDR-Z-1813-A-PX<br>MDR-Z-1813-CC<br>MDR-Z-1813-GF<br>MDR-Z-1813-PX<br>MDR-Z-1813-H-CC<br>MDR-Z-1813-H-GF   |
| RRR-S-95-GF**(-V)<br>RRR-S-95-PF**(-V)<br>RRR-S-95-CC**(-V)<br>RRR-S-95-PX**(-V)<br>RRR-S-95-A-GF**(-V)<br>RRR-S-95-A-PF**(-V)<br>RRR-S-95-A-CC**(-V)<br>RRR-S-95-A-PX**(-V)<br>RRR-S-95-API-GF**(-V)<br>RRR-S-95-API-PF**(-V)<br>RRR-S-95-API-CC**(-V)<br>RRR-S-95-API-PX**(-V) | RRR-S-200-GF**(-V)<br>RRR-S-200-PF**(-V)<br>RRR-S-200-CC**(-V)<br>RRR-S-200-PX**(-V)<br>RRR-S-200-A-GF**(-V)<br>RRR-S-200-A-PF**(-V)<br>RRR-S-200-A-CC**(-V)<br>RRR-S-200-A-PX**(-V)<br>RRR-S-200-API-GF**(-V)<br>RRR-S-200-API-PF**(-V)<br>RRR-S-200-API-CC**(-V)<br>RRR-S-200-API-PX**(-V) | RRR-S-400-GF**(-V)<br>RRR-S-400-PF**(-V)<br>RRR-S-400-CC**(-V)<br>RRR-S-400-PX**(-V)<br>RRR-S-400-A-GF**(-V)<br>RRR-S-400-A-PF**(-V)<br>RRR-S-400-A-CC**(-V)<br>RRR-S-400-A-PX**(-V)<br>RRR-S-400-API-GF**(-V)<br>RRR-S-400-API-PF**(-V)<br>RRR-S-400-API-CC**(-V)<br>RRR-S-400-API-PX**(-V) |
| RRR-S-700-GF**(-V)<br>RRR-S-700-PF**(-V)<br>RRR-S-700-CC**(-V)<br>RRR-S-700-PX**(-V)<br>RRR-S-700-A-GF**(-V)<br>RRR-S-700-A-PF**(-V)<br>RRR-S-700-A-CC**(-V)   | DRR-S-95-GF**(-V)<br>DRR-S-95-PF**(-V)<br>DRR-S-95-CC**(-V)<br>DRR-S-95-PX**(-V)<br>DRR-S-95-A-GF**(-V)<br>DRR-S-95-A-PF**(-V)<br>DRR-S-95-A-CC**(-V)  | DRR-S-00095-GF**(-V)<br>DRR-S-00095-PF**(-V)<br>DRR-S-00095-CC**(-V)<br>DRR-S-00095-PX**(-V)<br>DRR-S-00095-A-GF**(-V)<br>DRR-S-00095-A-PF**(-V)<br>DRR-S-00095-A-CC**(-V)   |

## SINFT RETROFITS MODELS FOR INDUFIL

|  |  |  |
|--|--|--|
| RRR-S-700-A-PX**(-V)<br>RRR-S-700-API-GF**(-V)<br>RRR-S-700-API-PF**(-V)<br>RRR-S-700-API-CC**(-V)<br>RRR-S-700-API-PX**(-V)   | DRR-S-95-A-PX**(-V)<br>DRR-S-95-API-GF**(-V)<br>DRR-S-95-API-PF**(-V)<br>DRR-S-95-API-CC**(-V)<br>DRR-S-95-API-PX**(-V)  | DRR-S-00095-A-PX**(-V)<br>DRR-S-00095-API-GF**(-V)<br>DRR-S-00095-API-PF**(-V)<br>DRR-S-00095-API-CC**(-V)<br>DRR-S-00095-API-PX**(-V)   |
| DRR-S-200-GF**(-V)<br>DRR-S-200-PF**(-V)<br>DRR-S-200-CC**(-V)<br>DRR-S-200-PX**(-V)<br>DRR-S-200-A-GF**(-V)<br>DRR-S-200-A-PF**(-V)<br>DRR-S-200-A-CC**(-V)<br>DRR-S-200-A-PX**(-V)<br>DRR-S-200-API-GF**(-V)<br>DRR-S-200-API-PF**(-V)<br>DRR-S-200-API-CC**(-V)<br>DRR-S-200-API-PX**(-V) | DRR-S-400-GF**(-V)<br>DRR-S-400-PF**(-V)<br>DRR-S-400-CC**(-V)<br>DRR-S-400-PX**(-V)<br>DRR-S-400-A-GF**(-V)<br>DRR-S-400-A-PF**(-V)<br>DRR-S-400-A-CC**(-V)<br>DRR-S-400-A-PX**(-V)<br>DRR-S-400-API-GF**(-V)<br>DRR-S-400-API-PF**(-V)<br>DRR-S-400-API-CC**(-V)<br>DRR-S-400-API-PX**(-V) | DRR-S-700-GF**(-V)<br>DRR-S-700-PF**(-V)<br>DRR-S-700-CC**(-V)<br>DRR-S-700-PX**(-V)<br>DRR-S-700-A-GF**(-V)<br>DRR-S-700-A-PF**(-V)<br>DRR-S-700-A-CC**(-V)<br>DRR-S-700-A-PX**(-V)<br>DRR-S-700-API-GF**(-V)<br>DRR-S-700-API-PF**(-V)<br>DRR-S-700-API-CC**(-V)<br>DRR-S-700-API-PX**(-V) |

## SINFT-FILTER: EXTENSIVE LINE OF REPLACEMENT FILTER ELEMENTS

### ■ HOW TO ORDER OR SEND INQUIRY?

To get a suitable replacement filter element, you can tell us the original brand and the part number(model) of the filter element you are looking for. There are more than 150,000 models of filter elements in SINFT database. With the information, SINFT can offer you the correct filter elements to meet your requirements.

To meet our customer's requirements, we have made some modifications to the sizes and materials of the replacement filter elements in order to provide an improved filtration solution. The feedback from our customers indicates that the filtration result is excellent.