



## PTFE LINED Y STRAINERS - YST

The YST PTFE lined strainer meets the highest requirements of the chemical industry, where it's important to ensure high resistance to corrosion under severe working conditions. The PTFE heavy duty lining prevents any damage, even if aggressive and permeating fluids circulate inside the strainer. The Y strainers can be installed vertically or horizontally and are suitable for connection with flanges according to DIN EN 1092-1 or ANSI B 16.5 150/300 class.

**CE** Conformity acc. to European Pressure Equipment Directive 2014/68/UE (PED)

### KEY FEATURES

- ✓ Fully lined with high-quality fluorocarbon resins (PFA)
- ✓ Lining Thickness: 3mm
- ✓ Ideal for highly corrosive and aggressive flow media
- ✓ High filtering result at minimal pressure drop
- ✓ Filtering surface: 1,5 up to 1,7 of pipe diameter (meets all requirements of the chemical industry)
- ✓ Maximal flow, minimal flow resistance
- ✓ Perfect vacuum resistance by locked-in lining
- ✓ High-quality insert with perforated PTFE
- ✓ Maintenance and service-friendly design
- ✓ Simple and secure filter cleaning or exchange (directly in the piping system)
- ✓ Different mesh sizes of screen allow multifunctional filter use for various dirt levels
- ✓ Epoxy coating & drainage connection as standard

### OPERATING CONDITIONS

- ✓ Temperature range from -40°C (-40°F) up to +180°C (+356°F), depending on body material
- ✓ Pressure range from 0,05 Torr up to 16 bar (230 psi), depending on sizes/pressures/temperature

#### MATERIAL SPECIFICATION

| Sr. No. | PART NAME      | MATERIAL                      |
|---------|----------------|-------------------------------|
| 1       | STRAINER BODY  | ASTM A216 GR WCB + PFA LINING |
| 2       | END COVER      | ASTM A216 GR.WCB              |
| 3       | DRAIN PLUG     | PTFE                          |
| 4       | HEX. HD BOLT   | SS                            |
| 5       | FILTER ELEMENT | PTFE                          |

#### DIMENSION(MM)-150#

| SIZE (NB) | A   | B   |
|-----------|-----|-----|
| 25        | 190 | 105 |
| 40        | 207 | 155 |
| 50        | 230 | 170 |
| 80        | 310 | 218 |
| 100       | 415 | 218 |

#### TEST PRESSURE

|              |                            |
|--------------|----------------------------|
| BODY (HYDRO) | 20 Kg/cm2g (Before Lining) |
| SEAT (HYDRO) | 10 Kg/cm2g (Before Lining) |

#### LINING SPECIFICATION

|            |                              |
|------------|------------------------------|
| TYPE       | PFA                          |
| SPARK TEST | 15 K.V D.C                   |
| THICKNESS  | 3.0 MM OVER ALL WETTED PARTS |

Mesh - 40

