# ANSI FLANGED Y-TYPE STRAINER FOR WATER WORKS

**Type:V4 Doc No:DS-901-V4-01-E-S**

## 1.0 PRODUCT OVERVIEW

The strainer mainly removes impurities in the medium through the filter to prevent particulate impurities from entering the passage and causing wall plugs to protect the fittings on the equipment pipeline from wear and blockage.



### Dimensions:

1/2”(DN50)-12”(DN300)

### Design Standard:

ASME B16.42

### Connection Standard:

ASMEB16.1 CL 125, ASME B16.42 CL 150

### Working Pressure:

300PSI、250PSI、200PSI

### Application:

The flanged strainer is mainly applied in the waterworks system, working temperature is from 0℃ to 80℃。

### Materialof Matching Products:

Connect flanged pipes in accordance with American Standard ASME B16.1 CL125

### Surface Treatment:

☐Epoxy power painting (color numbers as RAL5002，RAL5005,etc)
☐Painting (color numbers as RAL5005,etc)

**Sign Off:**
Owner:_____ Contractor:_____ Engineer: _____
Location:_____ Date:_____Approved& Date: _____

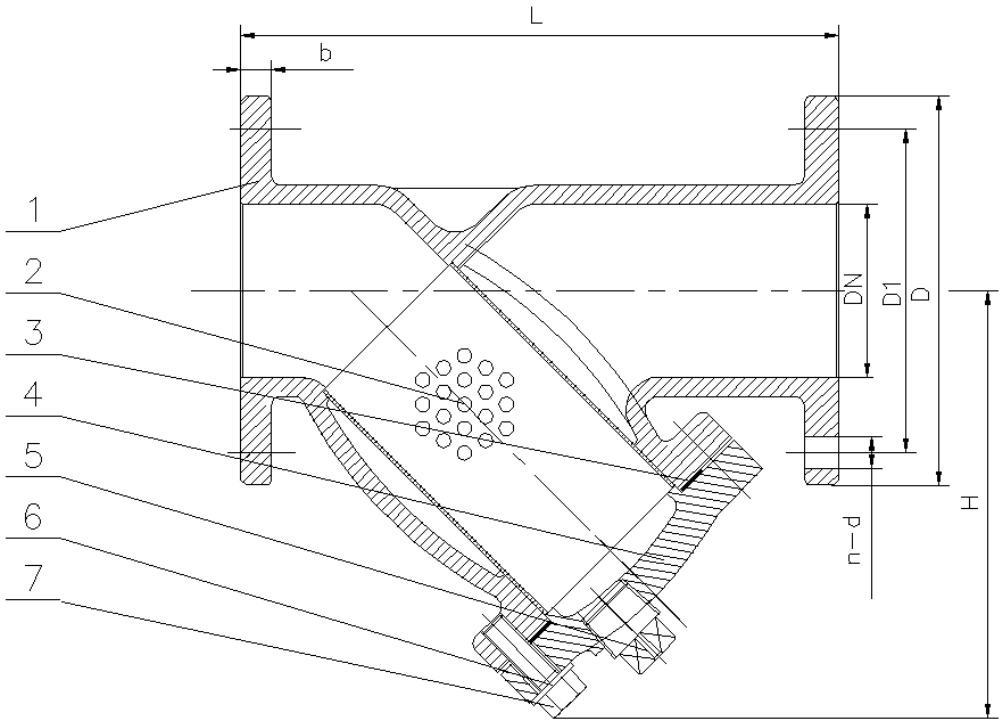
☐Others would be available upon clients' detailed request

## 2.0 APPROVALS

CE PG NSF/ANSI 61 NSF/ANSI 372

## 3.0 SPECIFICATIONS

### Product Sketch:




| Part No. | Part | Standard Specification | Options |
|---|---|---|---|
| 1 | Valve Body | ASTM A536,65-45-12 | |
| 2 | Screen | Stainless Steel 304 | ASISI316(Perforated,Knittde,Double Screen) |
| 3 | Bonnet | ASTM A536,65-45-12 | |
| 4 | Gasket | EPDM | Graphite+Acanthopore Plate |
| 5 | Plug | Malleable Iron Galvanized | Bronze ASTM B584 |
| 6 | Bolt | Carbon Steel Zinc Plated | ASISI 304，ASISI 316 |
| 7 | Flat Washer | Carbon Steel Zinc Plated | ASISI 304，ASISI 316 |

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## 4.0 DIMENSIONS AND PERFORMANCE

| DN | PSI | L（mm） | D（mm） | D1（mm） | b（mm） | n-Φd（mm） | H（mm） |
|---|---|---|---|---|---|---|---|
| 50 | 300 | 200 | 152 | 120.5 | 16 | 4-19.1 | 155 |
| 65 | 300 | 254 | 178 | 139.5 | 17.5 | 4-19.1 | 165 |
| 80 | 300 | 257 | 191 | 152.5 | 19 | 4-19.1 | 180 |
| 100 | 300 | 308 | 229 | 190.5 | 24 | 8-19.1 | 229 |
| *125* | 300 | 397 | 254 | 216 | 24 | 8-22.2 | 285 |
| *150* | 300 | 470 | 279 | 241.5 | 25.5 | 8-22.2 | 311 |
| 200 | 300 | 549 | 343 | 298.5 | 28.5 | 8-22.2 | 394 |
| 250 | 300 | 654 | 406 | 362 | 30.5 | 12-25.4 | 487 |
| 300 | 300 | 759 | 483 | 432 | 32 | 12-25.4 | 547 |

## Pressure loss at 15FT/SEC for strainers

| DN | DN50 | DN65 | DN80 | DN100 | DN150 | DN200 | DN250 | DN300 |
|---|---|---|---|---|---|---|---|---|
| Flow loss（PSI) | 6.72 | 4.18 | 3.82 | 3.76 | 4.44 | 3.9 | 3.56 | 3 |

## 5.0 REFERENCE MATERIALS

Approved certification for Strainer

**Sign Off:**

Owner:_____ Contractor:_____ Engineer: _____

Location:_____ Date:_____Approved& Date: _____