# FLANGED “Y” STRAINER

## Model FY-300-F

## Flanged Y Strainer 300 psi / 233 psi

2”, 2 ½”, 3”, 4”, 5”, 6”, 8”, 10” & 12”



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## PRODUCT DESCRIPTION

The Y strainer model FY-300-F flanged ends is wye pattern, cast iron strainer with stainless steel perforated screen, a cast iron flanged retainer cap and a drain connection furnished with a closure plug.

## TECHNICAL DATA

| | |
|---|---|
| **Model** | FY-300-F - Flanged Y Strainer 300 psi / 233psi |
| **Sizes** | 2 ” DN50, 2 ½ ” DN65, 3” DN80, 4” DN100, 5” DN125[(1)], 6” DN150 , 8” DN200, 10” DN250 & 12” DN300 |
| **End Connection** | Flange to ASME/ANSI B 16.1 FF<br>BS EN 1092-2 RF |
| **Working pressure** | Flange to ASME/ANSI B 16.1: 300psi (21,4bar)<br>Flange to BS EN 1092-2: 233psi (16bar) |
| **Working temperature** | 32ºF to 176ºF (0ºC to 80ºC) |
| **Coating** | Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550 |
| **Finish** | Red RAL 3000 |

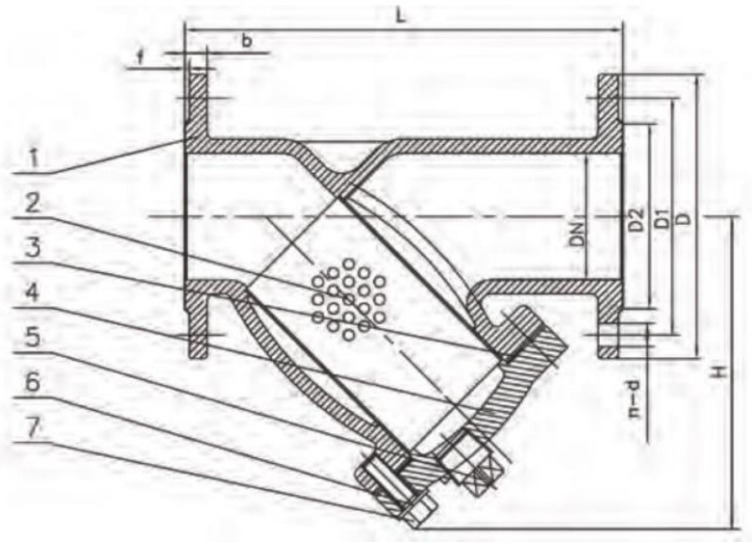
[(1)]The model FY-300-F with DN125 (5”) is not UL listed

## DIMENSIONS

| SIZES | | Working pressure | DIMENSIONS (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Inch | mm | | L | D | D1 | D2 | b | n-Φd | f | H |
| 2 | 50 | 233 psi | 230 | 165 | 125 | 99 | 19 | 4-Φ19 | 3 | 140 |
| | | 300 psi | 200 | 152 | 120,5 | - | 16 | | - | 155 |
| 2 ½ | 65 | 233 psi | 290 | 185 | 145 | 118 | 19 | 4-Φ19 | 3 | 175 |
| | | 300 psi | 254 | 178 | 139,5 | - | 16 | | - | 165 |
| 3 | 80 | 233 psi | 310 | 200 | 160 | 132 | 19 | 8-Φ19 | 3 | 198 |
| | | 300 psi | 257 | 191 | 152,5 | - | 16 | | - | 180 |
| 4 | 100 | 233 psi | 350 | 220 | 180 | 156 | 19 | 8-Φ19 | 3 | 229 |
| | | 300 psi | 308 | 229 | 190,5 | - | 16 | | - | 229 |
| 5 | 125 | 233 psi | 400 | 250 | 210 | 184 | 19 | 8-Φ19 | 3 | 287 |
| | | 300 psi | 397 | 254 | 216 | - | 16 | 8-Φ22,2 | - | 285 |
| 6 | 150 | 233 psi | 480 | 285 | 240 | 211 | 19 | 8-Φ23 | 3 | 304 |
| | | 300 psi | 470 | 279 | 241,5 | - | 16 | 8-Φ22,2 | - | 311 |
| 8 | 200 | 233 psi | 600 | 340 | 295 | 266 | 20 | 12-Φ23 | 3 | 370,5 |
| | | 300 psi | 549 | 343 | 295,5 | - | 16 | 8-Φ22,2 | - | 394 |
| 10 | 250 | 233 psi | 730 | 405 | 355 | 319 | 22 | 12-Φ28 | 3 | 469 |
| | | 300 psi | 654 | 406 | 362 | - | 16 | 12-Φ25,4 | - | 487 |
| 12 | 300 | 233 psi | 850 | 460 | 410 | 370 | 24,5 | 12-Φ28 | 4 | 540 |
| | | 300 psi | 759 | 483 | 432 | - | 16 | 12-Φ25,4 | - | 547 |



C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08




## MATERIAL LIST

| Nº ITEM | NAME | MATERIAL |
|---|---|---|
| 1 | Valve body | EN-GJS-450-10 |
| 2 | Screen | SS304 (Perforated) |
| 3 | Gasket | Graphite + Acanthopore Plate |
| 4 | Bonnet | EN-GJS-450-10 |
| 5 | Plug | Malleable Iron Galvanized |
| 6 | Bolt | Carbon Steel Zinc Plated |
| 7 | Flat Washer | Carbon Steel Zinc Plated |

## MAINTENANCE

It is recommended to check the perforated filter grid annually when general maintenance of the installation is carried out. At the beginning of the installation it is recommended to carry out this cleaning immediately after the start-up due to the accumulation of precipitates derived from the installation.

## ORDERING INFORMATION

| SIZE | FLANGE TYPE | |
|---|---|---|
| | BS EN 1092-2 RF PN16 | ANSI B16.1 FF #125 |
| 2” DN50 | FY050BR0300 | FY050BR0301 |
| 2 ½” DN65 | FY065BR0300 | FY065BR0301 |
| 3” DN80 | FY080BR0300 | FY080BR0301 |
| 4” DN100 | FY100BR0300 | FY100BR0301 |
| 6” DN150 | FY150BR0300 | FY150BR0301 |
| 8” DN200 | FY200BR0300 | FY200BR0301 |
| 10” DN250 | FY250BR0300 | FY250BR0301 |
| 12” DN300 | FY300BR0300 | FY300BR0301 |

Specify:

| | |
|---|---|
| Model | |
| Quantity | |
| Size of valve | |
| End connection | |

The equipment presented in this data sheet is to be installed in accordance with the latest published Standards of the national fire protection association (NFPA), FM Global, LPCB, VdS or other similar organizations, also with the provisions of governmental codes or ordinances whenever applicable.
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