

# Fig.816W Strainers

## FEATURES & BENEFITS

- Hattersley strainers will help eliminate the problems caused by foreign matter within piping systems
- WRAS approved range from DN65 to DN150
- WRAS approved for use with wholesome (potable) water
- DN200 is not WRAS approved
- WRAS approved internal and external epoxy powder coating



## MATERIAL SPECIFICATION

| Component              | Material                      | Specification         |
|------------------------|-------------------------------|-----------------------|
| Body                   | Cast Iron                     | BS EN 1561 EN-GJL-250 |
| Cap                    | Cast Iron                     | BS EN 1561 EN-GJL-250 |
| Gasket                 | Asbestos Free                 | -                     |
| Stud                   | Steel                         | BS 4439 GRADE 8.8     |
| Nut                    | Steel                         | BS 4439 GRADE 8.8     |
| Screen                 | Hole Size $\varnothing$ 1.5mm | Stainless Steel 304   |
|                        | 32% Open Ratio                |                       |
| Drain Plug             | Malleable Iron                | -                     |
| Test Point Plug Rc 1/4 | Malleable Iron                | -                     |

## PRESSURE/ TEMPERATURE RATING

PN16  
-10 to 85°C

## END CONNECTION

Flanged to BS EN 1092-2 PN16

## SPECIFICATION

End flanges conform to BS EN 1092-2 PN16 Section 3.2 table 11 with raised face and are normally supplied drilled. Strainers are normally supplied with a stainless steel perforated strainer element having 1.5mm diameter holes. This product is not suitable for use on group 2 liquids only, as defined by the Pressure Equipment Directive 2014/68/EU. Bosses drilled, tapped and plugged.

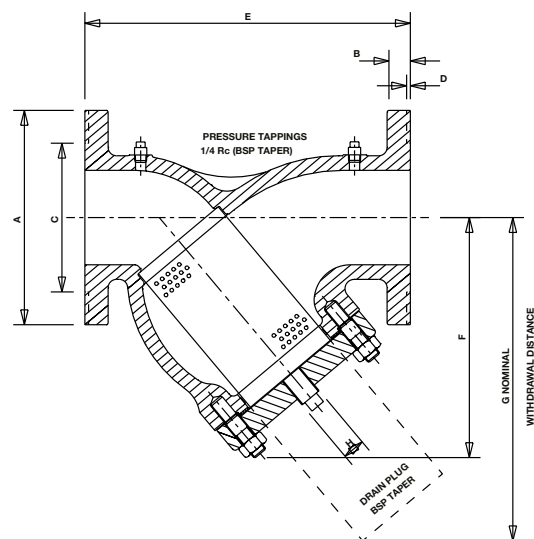
## SCREEN DATA

| Nom size                           | mm | 65  | 80  | 100 | 125 | 150 | 200 |
|------------------------------------|----|-----|-----|-----|-----|-----|-----|
| Hole Dia                           | mm | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Free Flow Area                     | %  | 32  | 32  | 32  | 32  | 32  | 32  |
| Screen Flow Area to Pipe Bore Area | %  | 381 | 287 | 272 | 268 | 245 | 227 |

## DIMENSIONS & WEIGHTS

| Size (DN) |    | 65     | 80     | 100    | 125    | 150    | 200 |
|-----------|----|--------|--------|--------|--------|--------|-----|
| A         | mm | 185    | 200    | 220    | 250    | 300    | 340 |
| B         | mm | 20     | 22     | 24     | 26     | 28     | 30  |
| C         | mm | 122    | 138    | 158    | 188    | 212    | 268 |
| D         | mm | 3      | 3      | 3      | 3      | 3      | 3   |
| E         | mm | 290    | 310    | 350    | 400    | 480    | 600 |
| F         | mm | 210    | 215    | 245    | 297    | 333    | 416 |
| G         | mm | 298    | 301    | 350    | 430    | 484    | 611 |
| H         | Rc | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 2"  |
| Weight    | kg | 23     | 30     | 43     | 71     | 93     | 161 |

## DIMENSIONAL DRAWING



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