

# Fig. 807/907 Bronze Y-Type



## FEATURES AND BENEFITS

- Robust and high quality bronze body
- Streamlined flow contours minimise pressure drop
- Compact design with short face to face
- Perforated stainless steel screen
- Captive asbestos-free non-stick gasket
- Comprehensive flow characteristics available

## MATERIAL SPECIFICATION

| Component | Material                  | Specification        |          |
|-----------|---------------------------|----------------------|----------|
|           |                           | BS EN                | ASTM     |
| Body      | Bronze                    | 1982 CC491K          | B62      |
| Screen    | Stainless Steel           | 10088-1 X10CrNi18-10 | AISI 304 |
| Gasket    | Asbestos Free (non-stick) |                      |          |
| Cap       | Bronze                    | 1982 CC491K          | B62      |



## PRESSURE/TEMPERATURE RATING

PN32  
14 bar at 198°C  
32 bar from -10 to 100°C  
Note: Fig. 907 restricted to 135°C

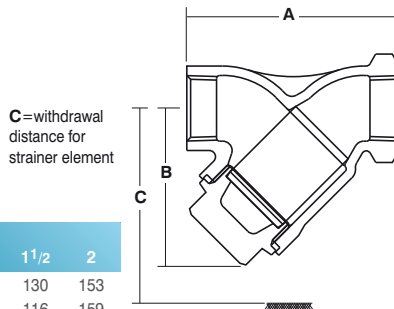
## TEST PRESSURES (HYDRAULIC)

Shell: 6 bar air

## SPECIFICATION

Standard screen has 0.75mm diameter holes.  
Screwed cap.  
Ends threaded to BS EN 10266 (BS21 ISO R7).  
Figure 907 supplied complete with two Figure 631 test points and plugs.

## DIMENSIONAL DRAWINGS

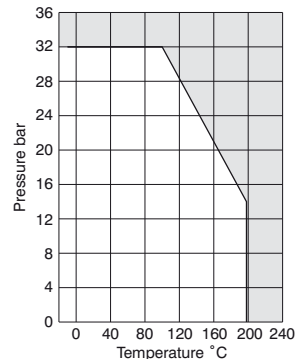


## DIMENSIONS AND WEIGHTS

| Nom Size | in | 1/2 | 3/4 | 1   | 1 1/4 | 1 1/2 | 2   |
|----------|----|-----|-----|-----|-------|-------|-----|
| A        | mm | 68  | 80  | 95  | 115   | 130   | 153 |
| B        | mm | 49  | 64  | 89  | 97    | 116   | 159 |
| C        | mm | 65  | 90  | 115 | 135   | 165   | 235 |
| k Factor |    | 3.3 | 4.2 | 3.6 | 3.2   | 3.3   | 3.5 |
| Weight   | kg | 0.4 | 0.5 | 0.9 | 1.5   | 1.8   | 3.3 |

## SCREEN DATA

| Nom Size              | in              | 1/2  | 3/4  | 1    | 1 1/4 | 1 1/2 | 2    |
|-----------------------|-----------------|------|------|------|-------|-------|------|
| Holes Dia             | mm              | 0.75 | 0.75 | 0.75 | 0.75  | 0.75  | 0.75 |
| Holes cm <sup>2</sup> |                 | 50   | 50   | 50   | 50    | 50    | 50   |
| Free Flow Area        | cm <sup>2</sup> | 22.6 | 22.6 | 22.6 | 22.6  | 22.6  | 22.6 |
| Element Area          | cm <sup>2</sup> | 24.6 | 36   | 68.5 | 107.1 | 143.1 | 255  |
| Free Flow Area        | cm <sup>2</sup> | 5.5  | 8.1  | 15.5 | 24.2  | 32.3  | 57.6 |
| % Nominal Bore        |                 | 434  | 284  | 305  | 305   | 283   | 284  |



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