

For Commercial and Industrial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series 777/777S

Cast Bronze Wye Strainers, Threaded Connections

Sizes 1/4" – 4" (8-100mm)

Features

777 Strainers, 1/4" – 4" (8-100mm)

These wye-pattern strainers have 20 mesh 304SS screens, (except 3" furnished with 3/64" perf. screen, and 4" with 1/8" perf. screen), cast bronze body, threaded connections, and solid retainer cap with an EPDM O-ring. Not tapped for closure plug.

777S Strainers, 1/2" – 4" (15-100mm)

Same as the 777 series, except furnished with a tapped retainer cap for a closure plug. Closure plug not provided.

Pressure – Temperature

Maximum Pressures (Non-Shock) & Temperatures

400psi (27.6 bar) WOG at 210°F (99°C), and 150psi (10.3 bar)

WSP @ 250°F (121°C)

4" (100mm) - 300psi (20.7) WOG and 125psi (8.6.bar).



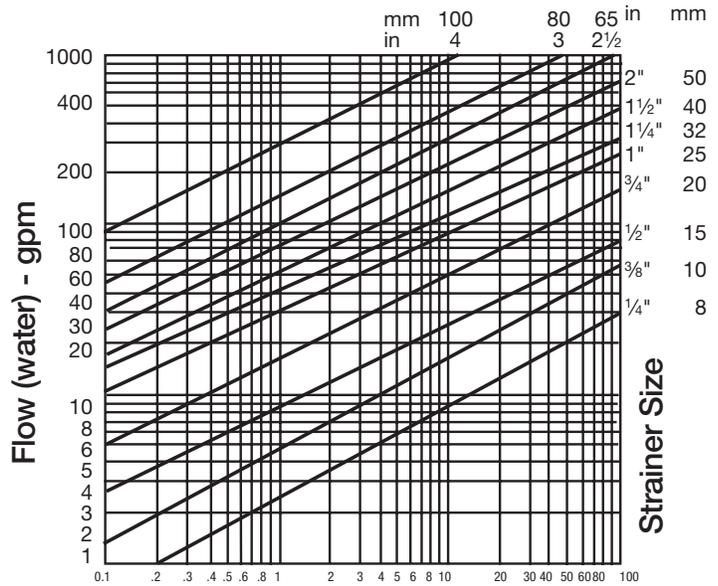
No. 777S-M1

Materials

| | |
|-------------------------|---|
| Body: | Cast bronze ASTM B-584 |
| Retainer Cap: | 1/2" - Brass ASTM B16 |
| Cap Gasket: | EPDM O-ring |
| Standard Screen: | 1/4" – 2" (8-50mm): 304 stainless steel #20 mesh, 3" (80mm) 304 stainless steel 3/64" perf 4" (100mm) 304 stainless steel 1/8" perf |

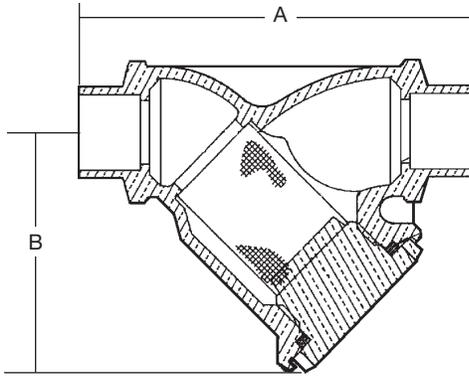
Performance Data

Table shows flow rates (gpm-water) through the domestic 777 strainer series at various pressure drops (psig) using standardly furnished screens.

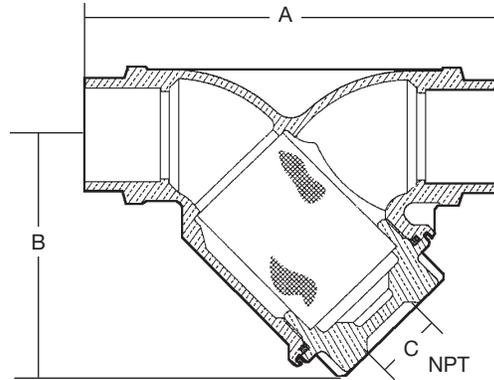


Pressure Drop - psig

Conversions: For gpm to lpm, multiply by 3.8
For psi to bar, multiply by .069.



777 - Solid Retainer Cap with Gasket



777S - Retainer Cap Tapped for Closure Plug
(Closure plug not furnished)

| Ordering Code | | Size (DN) | | Dimensions (approx.) | | | | | | Weights | |
|---------------|---------|-----------|-----|----------------------|-----|---------|-----|----------|----|---------|------|
| 777 | 777S | in. | mm | A | | B | | C* (NPT) | | lbs. | kgs. |
| | | | | in. | mm | in. | mm | in. | mm | | |
| 0384363 | - | 1/4 | 8 | 2 1/16 | 68 | 1 11/16 | 43 | - | - | 1.8 | .8 |
| 0384364 | - | 3/8 | 10 | 2 1/16 | 68 | 1 11/16 | 43 | 3/8 | 10 | 1.8 | .8 |
| 0384372 | 0384373 | 1/2 | 15 | 3 | 76 | 2 | 51 | 3/8 | 10 | 1.8 | .8 |
| 0384382 | 0384381 | 3/4 | 20 | 3 5/16 | 84 | 2 5/16 | 59 | 1/2 | 15 | 1.8 | .8 |
| 0384398 | 0384397 | 1 | 25 | 4 1/2 | 114 | 2 15/16 | 75 | 3/4 | 20 | 2.8 | 1.3 |
| 0384416 | 0384417 | 1 1/4 | 32 | 5 5/8 | 130 | 3 3/8 | 79 | 3/4 | 20 | 3.0 | 1.4 |
| 0384432 | 0384431 | 1 1/2 | 40 | 5 7/8 | 149 | 3 3/4 | 95 | 1 | 25 | 4.0 | 1.8 |
| 0385145 | 0384007 | 2 | 50 | 6 3/16 | 157 | 4 7/8 | 124 | 1 1/4 | 32 | 7.4 | 3.4 |
| 0384670 | 0384675 | 2 1/2 | 65 | 8 3/8 | 206 | 4 15/16 | 125 | 1 1/4 | 32 | 12.0 | 5.4 |
| 0384680 | 0384685 | 3 | 80 | 10 1/8 | 257 | 6 11/16 | 170 | 1 1/2 | 40 | 24.0 | 10.9 |
| 0384776 | 0384775 | 4 | 100 | 13 | 330 | 10 1/2 | 267 | 1 1/2 | 40 | 41.0 | 18.6 |

*Note: C dimension is for plug tapping.



A Watts Water Technologies Company



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