

**DESCRIPTION**

The **GEFCO Select #SE102-Series Cascade Jet** will produce a large, highly visible frothy and foamy white, inverted cone shaped water effect. The white water of the Cascade Jet makes an aesthetic statement in both a daytime operation or at night when used in combination with any type of underwater illumination by Georgia Fountain Company. The Cascade Jet must be fed with a non-turbulent water supply and protected with a surge collar in small or circular pools to reduce wave action on the water surface.

A **GEFCO Select #SE137-Series Adjustment Flange** is designed to correct the vertical adjustments of sprays up to 5 degrees off of vertical, for larger adjustments use a **GEFCO Select #SE138-Series Swivel Union** (both #SE137-Series and #SE138-Series can be ordered separately).

The Cascade Jet can be installed on a **GEFCO #PE109- Series Slab Penetration** which will provide a rigid, non-corrosive, water-proofing penetration. The Cascade Jet can also be mounted on a spray pod, spray ring, spray bar or a spray arc.

**ADDITIONAL INFORMATION:**

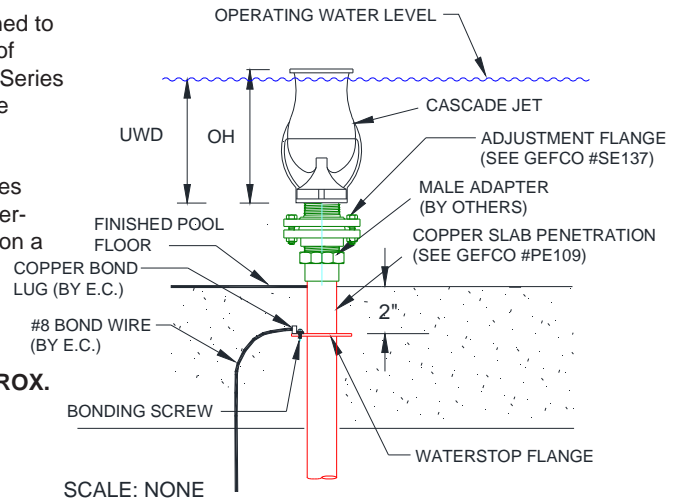
- \* **THIS EFFECT HAS A DIAMETER AT THE BASE OF APPROX. 30 - 35% OF THE SPRAY HEIGHT.**
- \* **Cascade Jets require a constant water level.**
- \* **See column 'SS' below for strainer size recommended.**

**TYPICAL SPECIFICATIONS:**

- \* **GEFCO Select #SE102-XX Cascade Jet:**
  - made of a single piece bronze casting.
  - orifice size (specify).
  - (T)" NPT female connection (specify).

**REPLACEMENT PARTS:**

- NONE



**PERFORMANCE:**

| #SE102       | -05      | -07      | -12        | -15        | -15A       | -20     | -25        | -30     |
|--------------|----------|----------|------------|------------|------------|---------|------------|---------|
| T            | 1/2" NPT | 3/4" NPT | 1 1/4" NPT | 1 1/2" NPT | 1 1/2" NPT | 2" NPT  | 2 1/2" NPT | 3"NPT   |
| OS           | 1.500"   | 2.000"   | 2.755"     | 3.000"     | 3.000"     | 4.000"  | 4.724"     | 6.000"  |
| OH           | 3.750"   | 5.500"   | 7.519"     | 9.000"     | 9.000"     | 11.000" | 11.811"    | 14.000" |
| UWD          | 3.500"   | 5.250"   | 7.280"     | 8.500"     | 8.500"     | 10.500" | 11.270"    | 13.500" |
| SS           | 0.25"    | 0.32"    | 0.32"      | 0.32"      | 0.400"     | 0.625"  | 0.700"     | 0.875"  |
| SPRAY HEIGHT | GPM      | FT HEAD  | GPM        | FT HEAD    | GPM        | FT HEAD | GPM        | FT HEAD |
| 2'           | 11       | 42       | 18         | 30         | 23         | 22      | 28         | 15      |
| 3'           | 12       | 52       | 20         | 34         | 26         | 25      | 30         | 20      |
| 4'           | 14       | 62       | 22         | 43         | 29         | 28      | 33         | 27      |
| 5'           | 16       | 72       | 24         | 51         | 31         | 31      | 36         | 33      |
| 6'           |          |          | 26         | 61         | 33         | 40      | 40         | 37      |
| 8'           |          |          | 30         | 77         | 37         | 54      | 47         | 50      |
| 10'          |          |          | 34         | 83         | 41         | 65      | 51         | 60      |
| 15'          |          |          |            |            |            | 68      | 83         | 68      |
| 20'          |          |          |            |            |            |         | 77         | 57      |
| 30'          |          |          |            |            |            |         |            | 164     |
| 40'          |          |          |            |            |            |         |            |         |
| 50'          |          |          |            |            |            |         |            |         |

**IMPORTANT REQUIREMENT**

Designers and Engineers shall be responsible for the accuracy of system flow rates and especially system head loss requirements. Stated flows and head pressure requirements for any listed spray height are required AT THE NOZZLE. Extrapolations for unlisted spray heights are at the sole responsibility of the Designers and/or Engineers.

**IMPORTANT**

Dimensions, Manufacturers and/or Materials subject to change without notice