

DESCRIPTION

The **GEFCO Select #SE142 Aeration Jet with Debris Screen** will produce a highly aerated column of white water. The Aeration Jets are extremely economical to use as they provide the least possible flow of water for the maximum visual effect. The white water of the Aeration 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 Aeration 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.

Aeration jets require a constant water level. They can also be ordered without debris strainers at the base of the jet for systems with clean treated water where floating debris is non-existent (see GEFCO Select SE104 Series).

The jet is equipped with a built-in swivel base to provide adjustment up to 17 degrees in any direction from vertical.

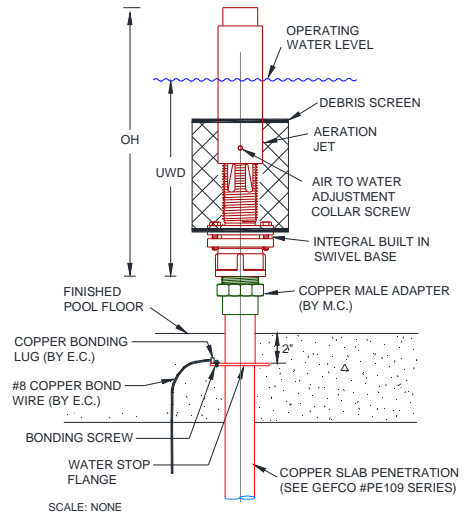
Air To Water Adjustment Collar adjustment rules are:

- Sleeve up: for more heavier and lower sprays.
- Sleeve down: for more lighter and higher sprays.

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

ADDITIONAL INFORMATION:

- * See column 'SS' in table below for strainer sizes recommended.
- * Aeration Jets require a constant water level.



TYPICAL SPECIFICATIONS:

* **GEFCO Select #SE142-XX Aeration Jet w/ Debris Screen:**

- made of cast bronze, brass, copper and stainless steel fasteners.
- debris screen, made of cast bronze & brass.
- 17 degree adjust ability from vertical.
- adjustable collar for aeration effect.
- (T)" NPT female connection (specify).

IMPORTANT

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

PERFORMANCE

| #SE142 | -07 | -08 | -10 | -12 | -15 | -20 | -25 | -30 | -40 | -41 | | | | | | | | | | | |
|--------------|----------|----------|--------|------------|------------|---------|------------|---------|---------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|
| T | 3/4" NPT | 3/4" NPT | 1" NPT | 1-1/4" NPT | 1-1/2" NPT | 2" NPT | 2-1/2" NPT | 3" NPT | 4" NPT | 4" FLG | | | | | | | | | | | |
| MWD | 9" | 9" | 12" | 12" | 14" | 18" | 24" | 24" | 30" | 30" | | | | | | | | | | | |
| DO | 0.625" | 0.750" | 1.000" | 1.250" | 1.500" | 2.000" | 2.500" | 3.000" | 3.750" | 3.750" | | | | | | | | | | | |
| OH | 7.500" | 7.750" | 9.500" | 10.500" | 13.500" | 15.500" | 17.920" | 21.500" | 25.000" | 25.000" | | | | | | | | | | | |
| UWD | 6.300" | 6.400" | 7.875" | 8.900" | 11.500" | 13.500" | 13.980" | 19.185" | 21.750" | 21.750" | | | | | | | | | | | |
| SS | 0.125" | 0.1875" | 0.200" | 0.250" | 0.325" | 0.500" | 0.500" | 0.625" | 0.750" | 1.000" | | | | | | | | | | | |
| SPRAY HEIGHT | GPM | FT HEAD | GPM | FT HEAD | GPM | FT HEAD | GPM | FT HEAD | GPM | FT HEAD | GPM | FT HEAD | GPM | FT HEAD | GPM | FT HEAD | GPM | FT HEAD | GPM | FT HEAD | |
| 3' | 3 | 21 | 4 | 16 | 7 | 13 | 9 | 12 | 11 | 11 | | | | | | | | | | | |
| 5' | 4 | 35 | 6 | 10 | 8 | 20 | 11 | 16 | 13 | 15 | 26 | 10 | | | | | | | | | |
| 8' 10" | 5 | 53 | 8 | 30 | 10 | 30 | 14 | 22 | 17 | 20 | 36 | 16 | 63 | 30 | 90 | 27 | 106 | 21 | 154 | 17 | |
| 15' | 6 | 66 | 9 | 36 | 11 | 36 | 15 | 27 | 20 | 23 | 40 | 18 | 69 | 33 | 98 | 30 | 130 | 24 | 172 | 19 | |
| 20' | | | 11 | 54 | 13 | 54 | 18 | 39 | 25 | 32 | 46 | 26 | 88 | 40 | 119 | 39 | 162 | 30 | 207 | 25 | |
| 25' | | | | | 15 | 70 | 20 | 50 | 29 | 40 | 53 | 33 | 101 | 48 | 135 | 48 | 188 | 41 | 232 | 33 | |
| 30' | | | | | | | 23 | 61 | 31 | 49 | 59 | 40 | 117 | 55 | 146 | 57 | | | 288 | | |
| 40' | | | | | | | 25 | 73 | 34 | 61 | 65 | 46 | 127 | 63 | 156 | 66 | 230 | 58 | 333 | 47 | |
| 50' | | | | | | | | | 37 | 74 | 72 | 59 | 148 | 76 | 177 | 82 | 262 | 74 | 378 | 60 | |
| 60' | | | | | | | | | | | 77 | 71 | 166 | 92 | 199 | 102 | 288 | 87 | 440 | 73 | |
| 80' | | | | | | | | | | | | 183 | 109 | 185 | 115 | 217 | 120 | 330 | 120 | 495 | 105 |
| 100' | | | | | | | | | | | | | | | | 246 | 157 | 365 | 146 | 586 | 130 |
| 150' | | | | | | | | | | | | | | | | 275 | 195 | 413 | 186 | 700 | 169 |
| | | | | | | | | | | | | | | | | | | | 542 | 306 | 288 |

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.