

DESCRIPTION:

The **GEFCO Select #SE114-Series Calyx Jet** will produce a clear bubble or mushroom style spray effect created by the deflecting of a flow of water at various angles from a circular orifice. This effect 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 Calyx Jet must be fed with a non-turbulent water supply that is % filtered to reduce maintenance and increase 100 the life of the jet.

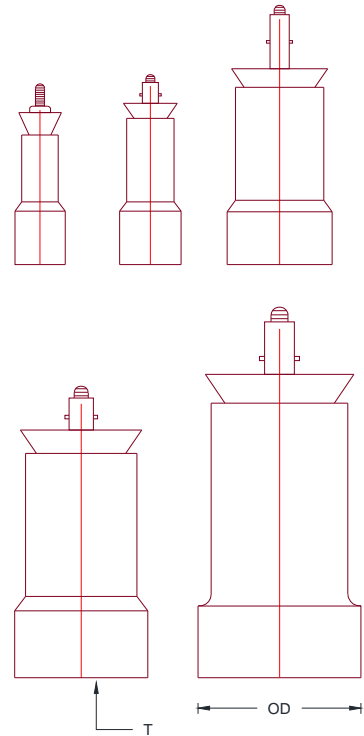
A **GEFCO Select #SE137-Series Adjustment Flange** is designed to correct the vertical adjustment of sprays up to 5 degrees off of vertical, for larger adjustments use a **GEFCO Select #SE138-Series Swivel Union** (both #SE137-Series and #SE138-Series can be ordered separately). The **GEFCO Select #SE114-Series Calyx Jet** can be installed on a **GEFCO #PE109-Series Slab Penetration** which will provide a rigid, non-corrosive waterproofing penetration.

TYPICAL SPECIFICATIONS:

- * **GEFCO Select #SE114-XX-Y** Calyx Jet:
 - made of single piece cast bronze.
 - vandal proof SST hardware.
 - machined brass cone.
 - YY° spray angle (specify).
 - XX" NPT female connection (specify).

ADDITIONAL INFORMATION:

- **Suction Straining required to be: MAX. 50% of OS**
- **Flow & performance vary with adjustment of cone (open/close).**
- **Angle must be specified (otherwise 25 ° will be supplied)**
- **The breakup point "F" varies with flow and cone adjustment.**



PERFORMANCES

SE114	-15	-20	-30	-40	-60
T	1-1/2"	2"	3"	4"	6"
OH	8.00"	9.00"	12.00"	14.00"	16.00"
OD	xx	xx	xx	xx	xx

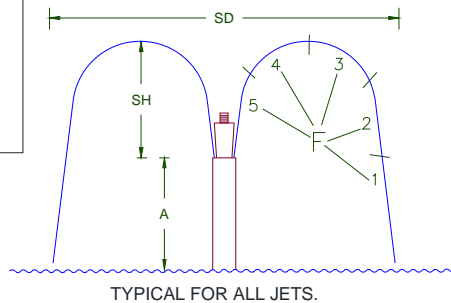
SPRAY ANGLE	At F1-F2 Break Up Point of solid water skin:					
20°	SD	14	18	36	60	72
	SH	16	18	24	30	36
	OS	0.3	0.4	0.5	0.5	0.5
	FH	36	48	60	82	84
	GPM	20	41	130	200	360
	25°	SD	16	24	60	84
SH		14	16	20	28	32
OS		0.3	0.4	0.5	0.4	0.4
FH		24	36	48	60	72
GPM		20	35	100	170	220
30°		SD	18	30	77	90
	SH	13	14	18	24	30
	OS	0.3	0.4	0.5	0.4	0.4
	FH	24	36	48	60	72
	GPM	22	40	120	180	239
	35°	SD	24	36	72	96
SH		12	12	16	20	26
OS		0.3	0.4	0.5	0.4	0.4
FH		24	24	48	48	60
GPM		25	40	130	190	250
40°		SD	27	42	78	108
	SH	10	10	14	16	20
	OS	0.4	0.5	0.5	0.4	0.5
	FH	24	24	36	48	60
	GPM	28	50	150	230	330
	45°	SD	30	48	96	120
SH		7	8	12	14	16
OS		0.4	0.5	0.5	0.5	0.5
FH		24	24	36	48	60
GPM		36	60	190	340	420

PERFORMANCE CODES IDENTIFICATIONS

- A- Height of orifice above waterlevel: 12".
- SD- Diameter of Spray at orifice level.
- SH- Height of spray above Orifice.
- OS- Opening of orifice ring.
- F- Break up point of solid sheet of Water.
- FH- Manometric Head Preasure at orifice ring.
- GPM- Gallons Gallons per minute.

Available Angles for all Jets:(YY Suffix)

Degrees:	20°	25°	30°	35°	40°	45°
Add Suffix:	-2	-3	-4	-5	-6	-7



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