



The Great Parks Fountains



Aerated Jets

PF-4000CB Series

Foam Effect Nozzles

Design/Application Data:

3400 series Aerating Jets are made of cast Bronze, Brass and stainless steel. The unique water level independent and Flow Adjustable Aerating Jets are for installation above water level the complete Jet has to be above water level.

Operating Data :

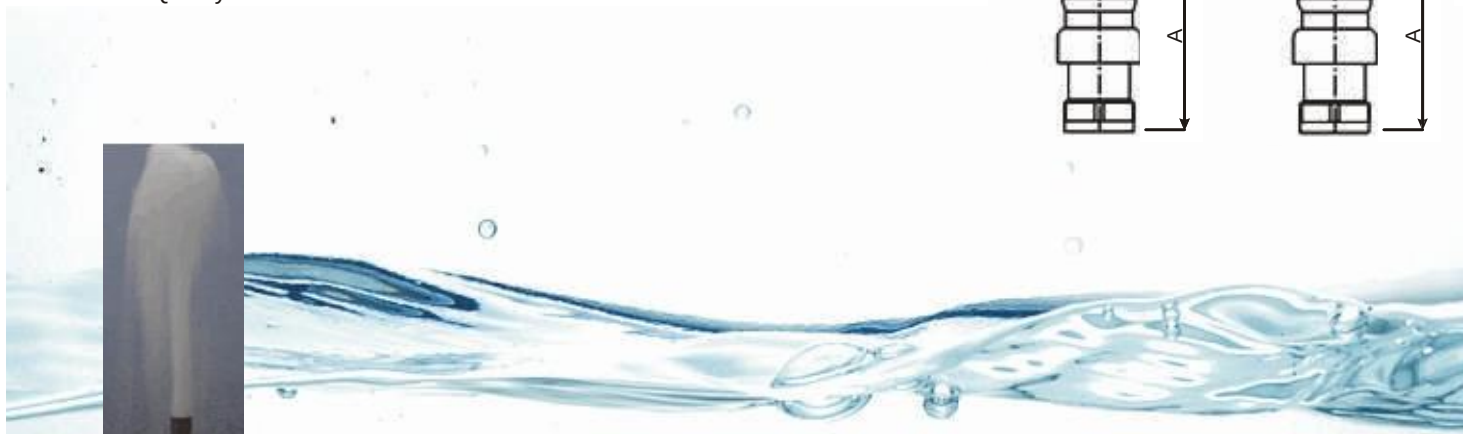
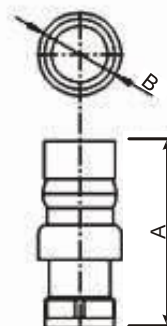
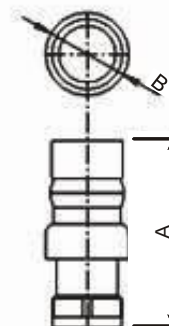
- Noise : Good
- Visibility : Excellent
- Splash/Mist : Low to moderate
- Wind Stability : Excellent
- Aeration Quality : Excellent



PF-3480 CB



PF-3481 CB



Hydraulic Data

Model	BSP	Nozzle Length	Jet	Spray height in meter									
No.	Con.	Dimn 'A'	Orifice		0.50	1.00	1.50	2	2.5	3	4	5	6
PF-3480CB	1.1½"	170mm	51mm	LPM	90	110	130	150	168	190	238	-	-
				Head in Mtr	2.5	4.3	5.9	7.00	8.00	10.5	11.00	-	-
PF-3481CB	2"	250mm	76mm	LPM	-	-	270	310	350	380	445	485	530
				Head in Mtr	-	-	3.5	4.00	5.2	6.2	7.7	9.9	12.5



Jet Cluster Nozzles

PF-4000 Series

Foam Effect Nozzles

Design/Application Data:

Jet Cluster nozzles produces a Vertical columns of water using connection rows of clear stream jet giving the appearance of a large diameter water columns. Due to the refractive quality of the individual streams, jet cluster nozzles offer good visibility at the long range viewing distance.

Nozzle is further enhanced when combined with submersible lighting. Applications include indoor or shielded out door use in commercial, institutional and municipal building and landscape projects, as primary display features, or as peripheral accents to primary display features they are also used effectively in series or grouped in clusters.

Specification Data:

Machined brass and bronze construction machined brass jets female threaded connection.

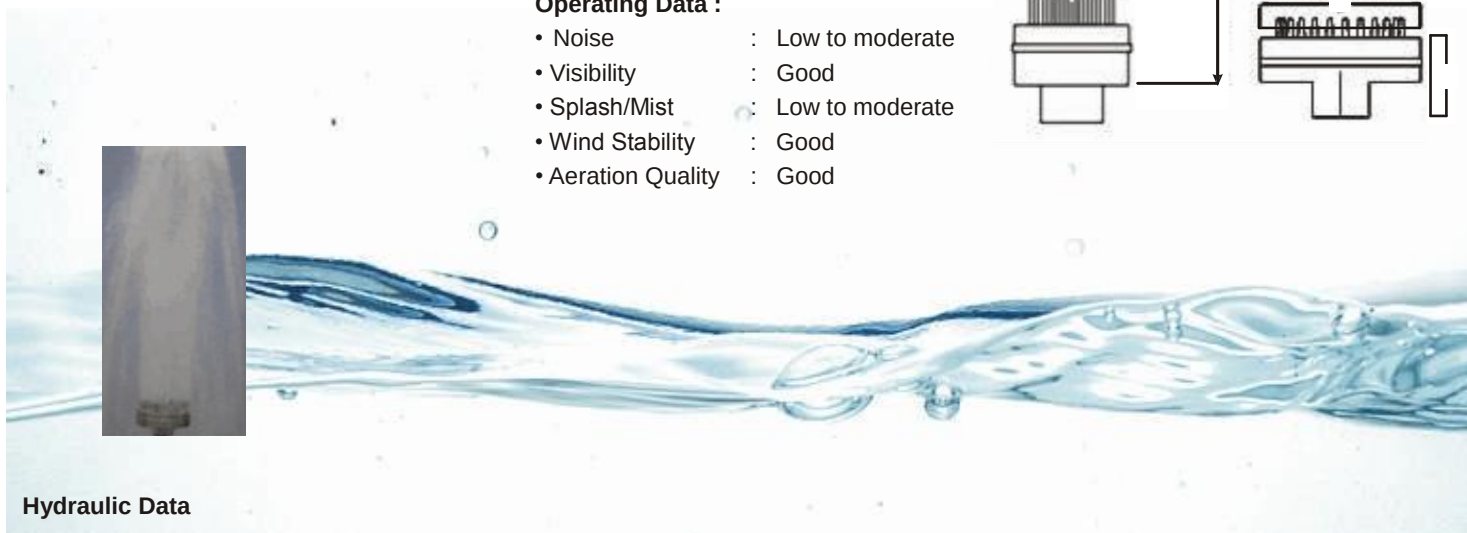
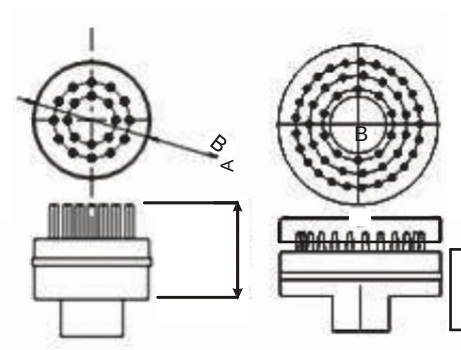
Operating Data :

- Noise : Low to moderate
- Visibility : Good
- Splash/Mist : Low to moderate
- Wind Stability : Good
- Aeration Quality : Good



PF-3490

PF-3492



Hydraulic Data

Model	BSP	No. of	Jet	Dimn.	Dimn.	Stream Height in Meter						
No.	Conn	Jets	Orifice	A	B		0.50	1.00	1.50	2.00	2.50	3
PF-3490	1"	30	4.00mm	100mm	110mm	LPM	66	102	132	159	183	210
						Head in Mtr	1.00	1.50	2.00	2.5	3.10	4.00
PF-3492	2"	50	4.00mm	130mm	203mm	LPM	110	170	220	265	305	345
						Head in Mtr	1.00	1.50	2.00	3.0	3.25	3.70



Aerated Jets

PF-4000 Series

Foam Effect Nozzles

Design/Application Data:

The "Aquascape" Aerated Jet Nozzles are injection Nozzles that are independent on the water level. Because of the injection effect the surrounding Air is sucked in, intensively mixed and thrown high into the Air by the injector jet Aerating, Jet Nozzles are designed to produce columns of highly aerated water with a frothy effected.

Specification Date:

Made from Copper and Brass Pipe with Cast Bronze inlet.



PF-4001



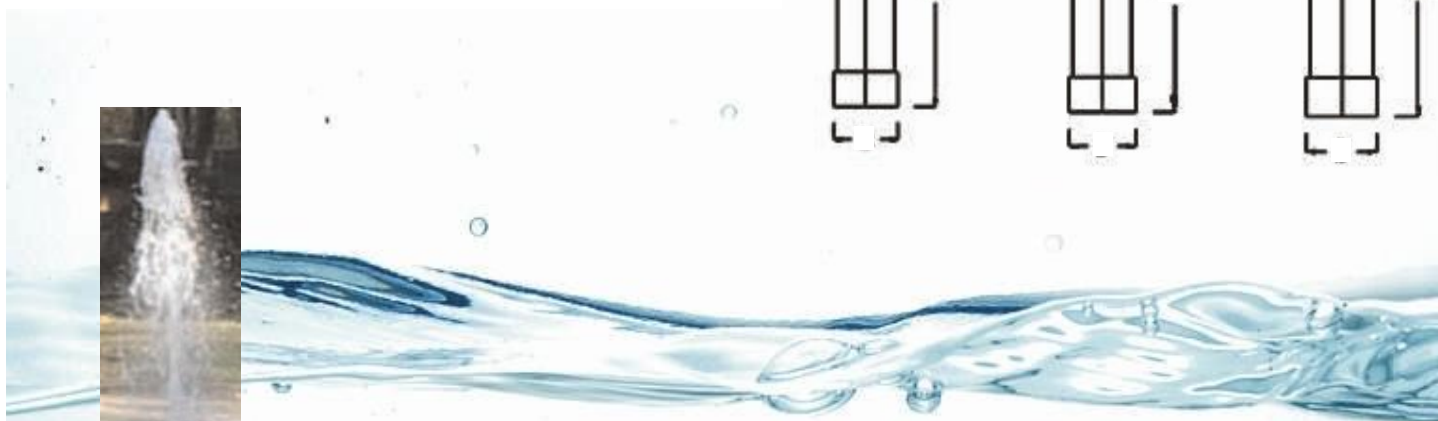
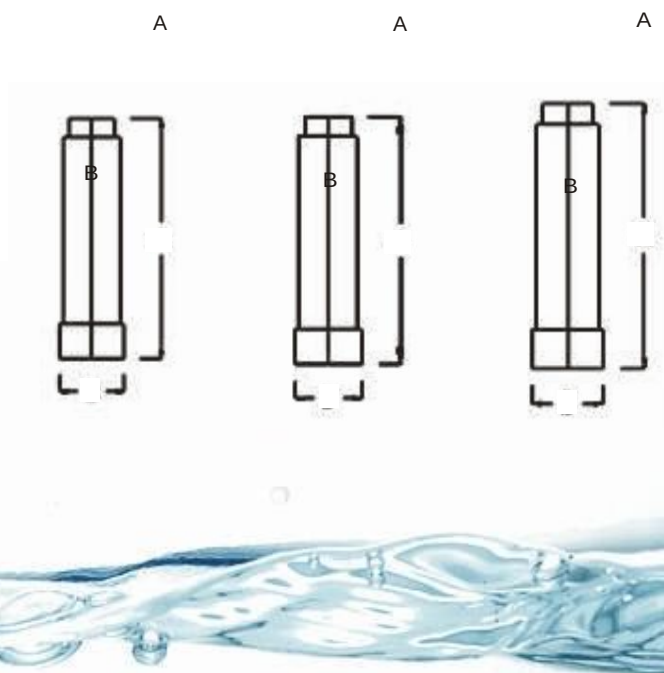
PF-4002



PF-4003

Operating Data :

- Noise : Moderate
- Visibility : Excellent
- Splash/Mist : Low to moderate
- Wind Stability : Good
- Aeration Quality : Good



Hydraulic Data

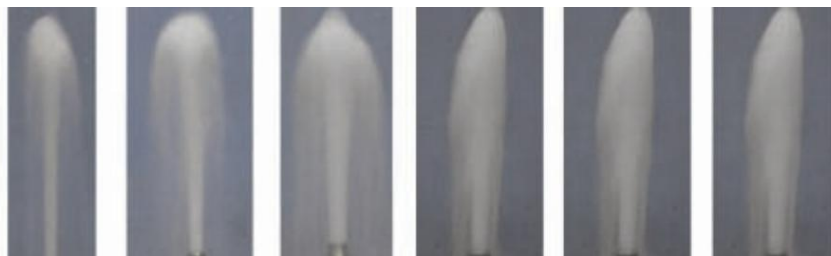
Model No.	BSP Con.	Dim. A	Jet Orifice	Spray height in meter					
				1	2	3	4	5	6
PF-4001	1"	150mm	25mm	LPM	40	55	70	-	-
				Head in Mtr	6	8	10	-	-
PF-4002	1½"	210mm	40mm	LPM	100	140	170	200	-
				Head in Mtr	6	8	10	12	-
PF-4003	2"	230mm	50mm	LPM	110	180	210	240	275
				Head in Mtr	6	8	10	14	16



Foam Nozzles

PF – 4000 Series

Foam Effect Nozzles

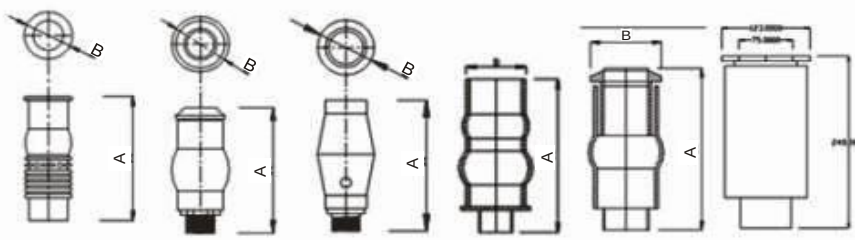


Design/Application Data :

A column of Frothy, aerated water, Recommended for small and medium displays in shallow pools. Beautiful when lighted. Jet has low profile and neat appearance. No constant water level is required.

Specification Data :

Cast bronze and brass with internal air/water ration adjustment. Exterior is of Bronze.



Hydraulic Data

Model No.	BSP Con.	Dia. A	Jet Orifice	Spray height in meter										
					0.50	1	1.50	2	2.5	3	3.5	4	4.5	5
PF-3401	½"	100mm	23 mm	LPM	40	60	-	-	-	-	-	-	-	-
				Head in Mtr	1.25	2.1	-	-	-	-	-	-	-	-
PF-3402	1"	140mm	35 mm	LPM	55	80	97	111	123	-	-	-	-	-
				Head in Mtr	1.38	2.7	3.99	5.23	6.50	-	-	-	-	-
PF-3403	1"	160mm	40mm	LPM	60	95	125	140	160	185	-	-	-	-
				Head in Mtr	2	4	5.76	7.5	9.20	10.9	-	-	-	-
PF-3409	1"	160mm	50 mm	LPM	70	100	135	150	170	195	-	-	-	-
				Head in Mtr	2	4	5.76	7.5	9.20	10.9	-	-	-	-
PF-3410	1.½"	185mm	50 mm	LPM	125	176	217	252	282	310	335	360	381	402
				Head in Mtr	1.7	1.90	2.84	3.81	4.79	5.76	6.74	7.32	8.71	9.69
PF-3412	2"		70mm	LPM		230	270	315	347	385	400	440	450	485
				Head in Mtr		2.5	3.5	4.00	5.00	6.00	7.00	8.00	9.00	10.00



Foam Geyser Jets

PF-4000 Series

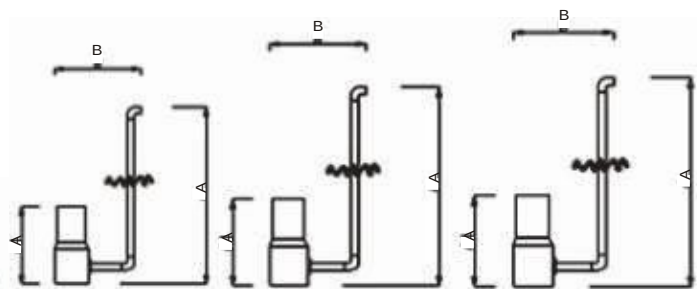
Foam Effect Nozzle (Water Level Dependent)

Design/Application Data :

The Foam Geyser Nozzles are designed to provide in their lowest spray heights white mounds of water. While at greater spray height to provide highly visible fluffy white spray effect. Foam Geyser nozzles are made of cast bronze with hard copper air snorkels.

Operating Data :

- Noise : Good
- Visibility : Excellent
- Splash/Mist : Low to moderate
- Wind Stability : Excellent
- Aeration Quality : Excellent



Hydraulic Data

Model No.	BSP Con.	Dimension			Jet Orifice		Spray height in meter								
		A	A1	B			1.00	1.50	2	2.5	3	4	5	6	8
PF-3461	1.1/4"	347	125	119	32mm	LPM	125	150	175	190	200	230	-	-	-
	Dim.	mm	mm	mm	Dim.	Head in Mtr	5.00	7.00	8.0	8.36	10.8	15	-	-	-
PF-3462	1.1/2"	375	138	138	38mm	LPM	175	205	231	258	281	337	380	-	-
	Dim.	mm	mm	mm	Dim.	Head in Mtr	5	7	8.4	11.6	17	21.1	23.5	-	-
PF-3463	2"	422	180	180	51mm	LPM	265	305	337	364	383	432	473	515	1007
	Dim.	mm	mm	mm	Dim	Head in Mtr	3.9	5.2	6.3	7.4	8.2	10	11.6	13.2	21



Water level dependent Cascade Jet

PF-4000 Series

Foam Effect Nozzle (Water Level Dependent)

Design/Application Data:

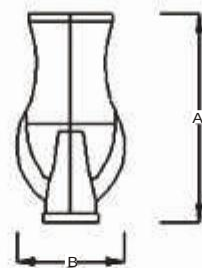
The Cascade nozzles produce a graceful conical Shaped while display. The water level dependent aerated display is suitable for clam to light wind conditions. Exhibits excellent light reflecting properties.

Specification Data:

Constructed of machined cast bronze natural finish.

Note:

The prevent undulating water display avoid installations where water level varies or where waves may develop.



Hydraulic Data		Dim A											
Model	BSP	Nozzle	Jet	Spr y heigh t in meer									
No.	Con.	Length	Orifice		1	2	3	4	5	6	8	10	12
PF-3450	1"	152 mm	50mm	LPM	100	131	153	174	-	-	-	-	-
		(6")		Head in Mtr	8	14	20	24	-	-	-	-	-
PF-3451	1.1/2"	228 mm	70mm	LPM	122	160	190	224	-	-	-	-	-
		(9")		Head in Mtr	6.60	12.60	16	23	-	-	-	-	-
PF-3452	2"	254 mm	90mm	LPM	194	320	380	420	467	489	570	720	-
		(10")		Head in Mtr	7	9	13	19	23	26	33	39	-
PF-3453	3"	335 mm	150mm	LPM	333	560	645	743	844	930	1132	1390	1552
		(14")		Head in Mtr	6	8	10	14	17	20	34	40	57



High Jet

PF-1000 Series

Single Jet Nozzles

Design/Application Data:

The High Jet Nozzle is Special Nozzle that is used to achieve greater Fountain Height, preferred in Floating and lake fountains.

- Clear wind stable and full stream jet
- Independent from the water level
- For greater fountain Height

Specification Data :

Made from cast bronze with mirror in side surface.

Operating Data :

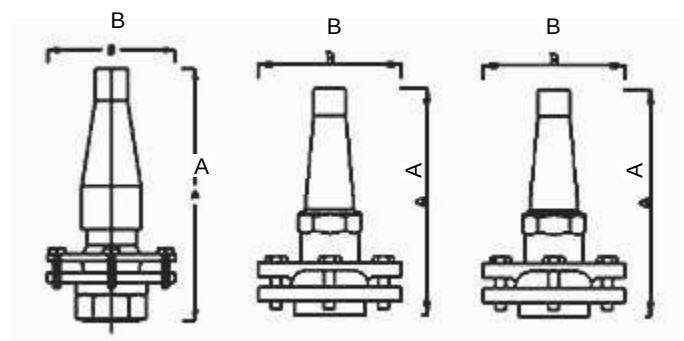
- Noise : Moderate
- Visibility : Excellent
- Splash/Mist : Low to moderate
- Wind Stability : Good
- Aeration Quality : Good



PF-1048

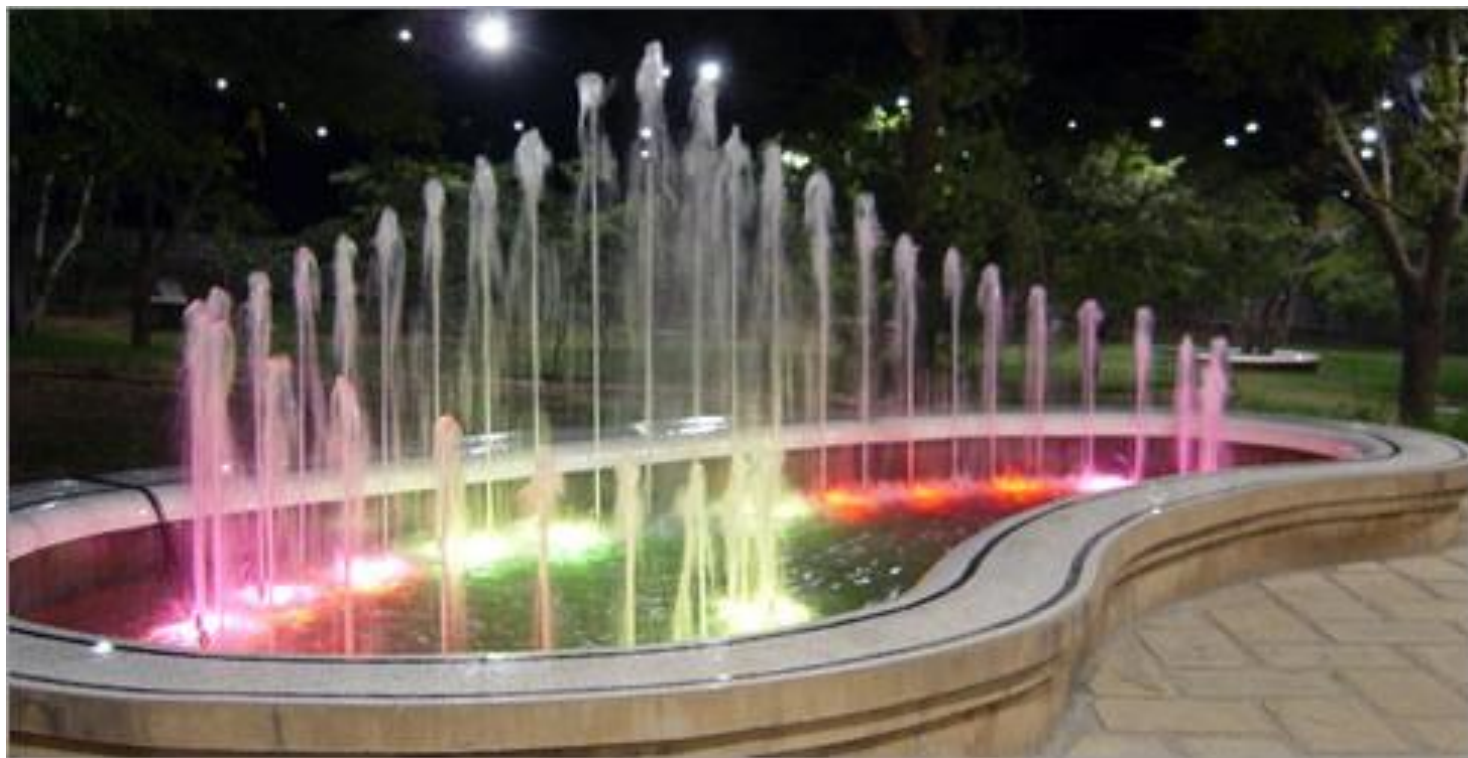
PF-1050

PF-1051



Hydraulic Data

Model	BSP	Dimension	Jet Orifice		Stream Height in Meter								
No.	Conn.				2	3	4	5	6	8	10	15	20
PF-1048	1½"	235mm	19mm	LPM	105	125	150	180	215	255	280	-	-
				Head in mtr.	3	4	5	6.5	8	10	12.5	-	-
PF-1050	3"	315mm	45mm	LPM	555	675	875	990	1230	1500	1700	2000	2275
				Head in mtr.	3	4	5	6.5	8	10	12.5	20	27
PF-1051	4"	410mm	55mm	LPM	690	907	1123	1300	1684	2050	2300	2800	3200
				Head in mtr.	3	4	5	6.5	8	10	12.5	20	27



Adjustable Clear Stream Jets

PF – 1000 Series

Single Jet Nozzles

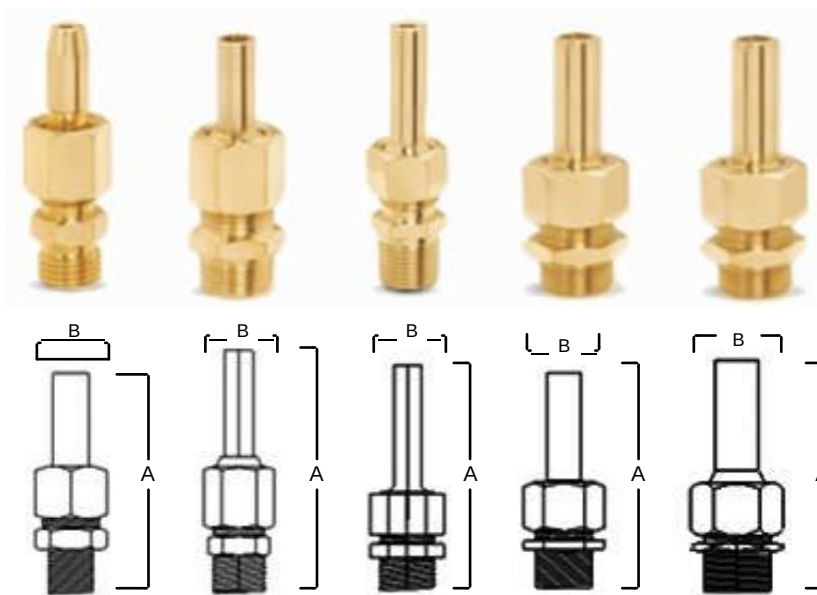
Design/Application Data:

Small tapered Adjustable clear stream nozzle develops display with a minimum of distortion. Designed for precision use with spray ring, spray ring, spray bars or other installations where precision vertical columns or trajectory patterns are desired.

Note

- (1) Smaller orifice water patterns are sensitive to wind and should be used indoors or in protected areas.
- (2) Larger orifice water patterns are more stable to wind conditions be develop a greater return splash and a louder sound lever, which may in some interior locations.

PF-1009 PF-1010 PF-1011 PF-1012 PF-1013



Hydraulic Data

Model	BSP	Dim. A	Orifice		Stream Height in Meter						
No.	Conn.				1	1.5	2	2.5	3	3.5	4
PF-1008	1/8"	43mm	3mm	LPM	1.45	2.30	3.00	3.50	4.20	4.70	5.00
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
PF-1009	1/4"	53mm	3mm	LPM	1.45	2.30	3.00	3.50	4.20	4.70	5.00
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
PF-1010	3/8"	63mm	4.75mm	LPM	7.60	9.15	10.50	11.25	12.00	12.75	13.75
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
PF-1011	1/2"	87mm	6.35mm	LPM	12.00	15.50	17.60	19.00	21.00	22.00	24.50
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
PF-1012	3/4"	110mm	10mm	LPM	14.50	20.00	27.00	32.00	37.00	41.00	46.00
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
PF-1013	1"	122mm	16mm	LPM	44.00	55.00	80.00	90.00	100.00	110.00	121.00
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35



Vulcan Fix Jets

PF – 1100 Series

Multi Jet Nozzles

Design/Application Data :

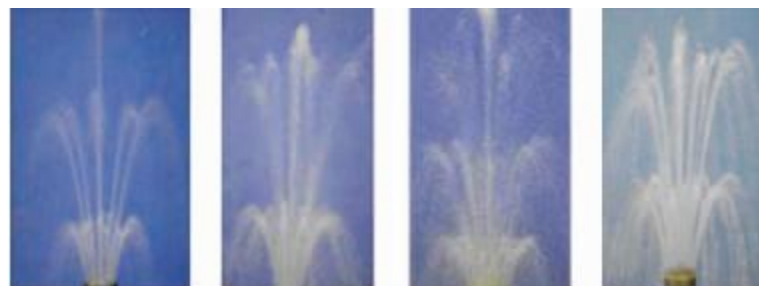
A sparkling and unique triple – tiered effect of clear streams. Ideal for small and medium sized displays. No constant water level is required.

Specification Data :

Cast bronze construction with Fix Jets removable cap for easy cleaning.

Operating Data :

- Noise : Low
- Visibility : Moderate
- Splash/Mist : Poor
- Aeration Quality : Poor

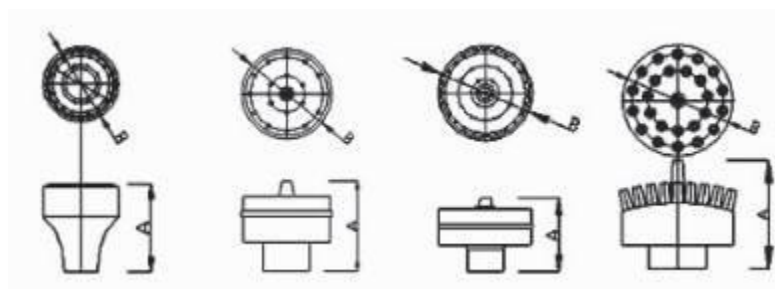


PF-1101

PF-1102

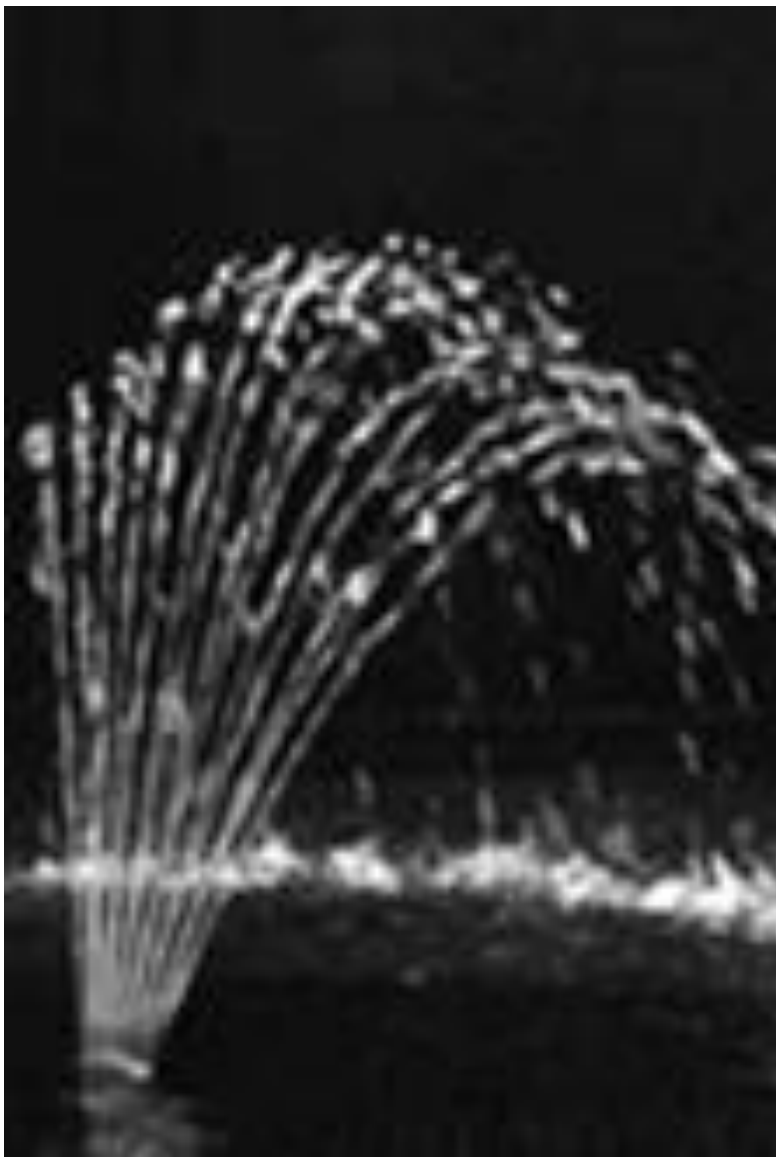
PF-1103

PF-1104



Hydraulic Data

Model No.	BSP Conn	No. of Jets	Dimension		Orifice			Stream Height in Meter						
			A	B				1	1.5	2	2.5	3	3.5	4
PF-1101	½"	31	70mm	60mm	31@	2.00mm	LPM	25	40	-	-	-	-	-
							Head in Mtr	1.5	2.30	-	-	-	-	-
PF-1102	1"	19	85mm	85mm	1@	5.00mm	LPM	65	80	95	110	120	130	150
							Head in Mtr	2.5	2.6	3.5	5.00	6.5	8.00	9.00
PF-1103	1"	43	85mm	115mm	1@	5.00mm	LPM	80	120	135	145	165	180	190
							Head in Mtr	3.00	3.5	4.00	6.00	9.00	10.00	11.50
PF-1104	1"	26	80mm	85mm	1@	5.00mm	LPM	100	120	135	150	165	175	190
							Head in Mtr	3.00	3.50	4.00	6.00	9.00	10.00	11.50



Finger Jet

PF-1100 Series

Multi Jet Nozzles

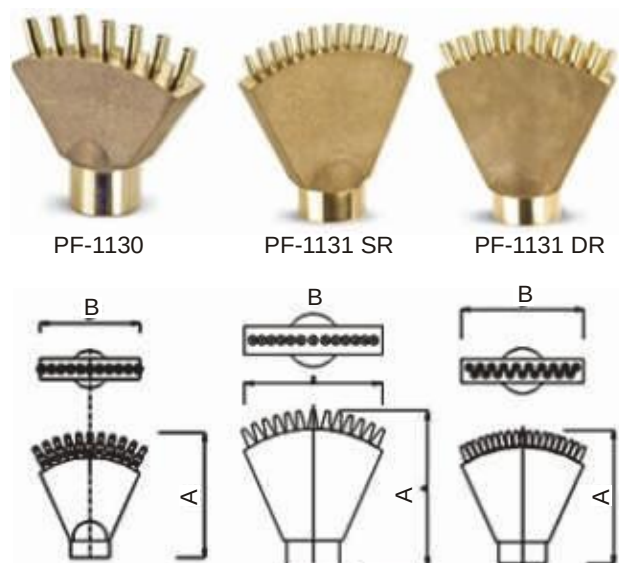
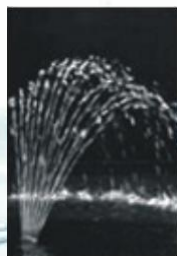
Design/Application Data :

Finger jet nozzle produces a delicate, arching spray pattern using precision clear stream jets. Combined with a main swivel connection permits a wide range of spray patterns and angles. Due to the low noise and splash reduced, finger jets are ideal use in courtyard or entryway pools designed for close range viewing distance.

Application includes indoor or shielded outdoor use in commercial institutional and municipal building and landscape projects as primary display features, or as peripheral accents to primary display features they are also used effectively in series or grouped in clusters.

Specification Data :

Machined brass and bronze construction. Female threaded connection.



Operating Data :

- Noise : Low
- Visibility : Poor
- Splash/Mist : Low to moderate
- Wind Stability : Poor
- Aeration Quality : Poor

Hydraulic Data

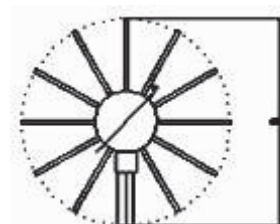
Model No.	BSP Conn	No. of Jets	Diamm. A	Orifice	Parabolic Length	Parabolic Height	Parabolic Width	LPM	Head Meter
PF-1130	1"	07	110mm	4mm	1.00 m	0.12 m	1.00 m	48	1.22
					1.50 m	0.21 m	1.25 m	58	2.00
					2.00 m	0.30 m	1.50 m	65	2.50
PF-1130 SR	1½"	13	175mm	4mm	1.00 m	0.12 m	1.50 m	78	1.00
					1.50 m	0.21 m	2.20 m	100	1.20
					2.00 m	0.30 m	2.80 m	117	1.60
					2.50 m	0.39 m	3.40 m	122	2.00
					3.00 m	0.50 m	3.60 m	130	2.50
PF-1130 DR	1½"	19	175mm	4mm	1.00 m	0.25 m	1.50 m	114	1.00
					1.50 m	0.40 m	2.20 m	152	1.20
					2.00 m	0.60 m	2.80 m	170	1.60
					2.50 m	0.80 m	3.40 m	180	2.00
					3.00 m	1.00 m	3.60 m	190	2.50



Dandelion(sphere)
PF-6400 Series
Sphere Effect Nozzles

Design/Application Data :

The Dandelion Sphere effect is created by multiple discs of water radiating from a center manifold. These effects produce a fine spray that results evaporation cooling in the area of the effect. Construction is of cast bronze and precision machined brass.



Hydraulic Data

Model No.	BSP Con.	Dimension B Sphere O.D.	Dimension A Hub Dia	No. of Arms	LPM	Head in Meter
PF-6441	2.½"	1.00 Mtr.	204 mm	40	450	10.00
PF-6443	2.½"	1.20 Mtr.	204 mm	40	500	10.00
PF-6445	4"	2.00 Mtr.	254 mm	110	1500	15.00



Tulip Jet

PF-1300 Series

Water Film Nozzles

Design/Application Data :

A Clear pulsating sheet of water in a mushroom form when operated in a full sheet pattern there is very little shape or splash, ideal for both silent and windy locations. Preferred for floating or lake fountain.

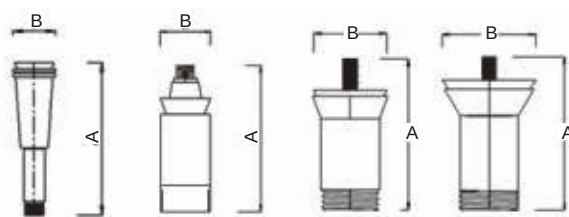
Specification Data :

Cast bronze and brass construction with adjustable top cone.

- Bottom of nozzle must be installed at water level.
- Water supply must be non-trouble.

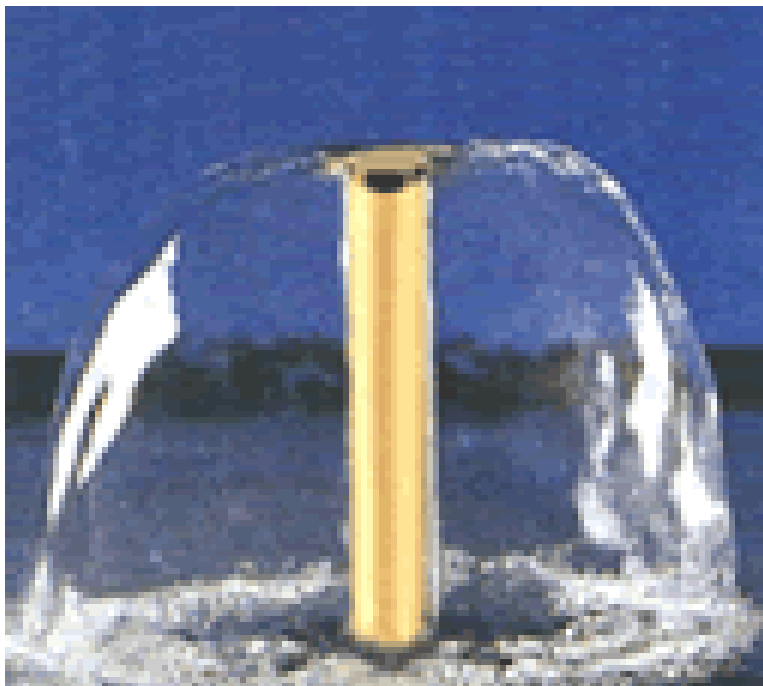
Operating Data :

- Noise : Good
- Visibility : Excellent
- Splash/Mist : Excellent
- Wind Stability : Excellent
- Aeration Quality : Moderate



Hydraulic Data

Model	BSP	Dimension			Spray height in cm				
No.	Con.	A	B		15 cm	30 cm	45 cm		
PF-1303	½"	160 mm	45 mm	LPM	10	22	30		
Spread Head in Mtr					1	1	1		
Model	BSP	Dimension			Spray height in meter				
No.	Con.	A	B		0.5	1	2	3	4
PF-1332	1.½"	140	50	LPM	50	80	-	-	-
		MM	MM	Spread dia in mtr.	0.50	1.00	-	-	-
Head in Mtr					3.00	5.00	-	-	-
PF-1333	2.½"	200	100	LPM	-	200	300	400	-
		MM	MM	Spread dia in mtr	-	1.00	2.50	4.00	-
Head in Mtr					-	5.00	6.00	7.00	-
PF-1334	3"	260	140	LPM	-	300	400	500	600
		MM	MM	Spread	-	1.50	3.00	5.00	6.00
Head in Mtr						5.00	6.00	7.00	8.00



Bell
PF-1300 Series
Water Film Nozzles

Design/Application Data:

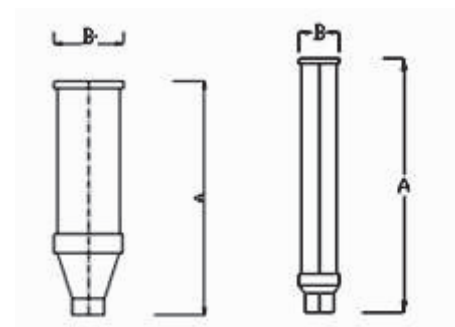
A Clear of water in the shade of a bell. Minimum sound or splash. For silence wind-free locations in small and medium sized displays. Ideal in grouping of various heights. No. Constant water level required.

Specification Data :

Brass with adjustable top.

Note : (for Optimum Effects)

- Requires non-turbulent water supply.
- Requires fine screening at pump.



Hydraulic Data

Model No.	BSP Con.	Dimension			Spr y diameter (cm)			
		A	B		15 cm	30 cm	45 cm	60 cm
PF-1301	½"	176	56	LPM	8	12	20	30
		mm	mm	Head in Mtr	1	1	1	1
PF-1302	1"	350	56	LPM		15	22	35
		mm	mm	Head in Mtr		1	1	1



Water Lily
PF-1300 Series
Water Film Nozzles

Design/Application Data :

A study in contrasting waterborne art Waterlily nozzle produces an eye-catching display that's both light and delicate. A miniature version of our Crystal Arch nozzle, the waterlily combines that lofty, single tier arching pattern with a lower bell shape feature similar to the Trumpet, with a compact, sheeting fall.

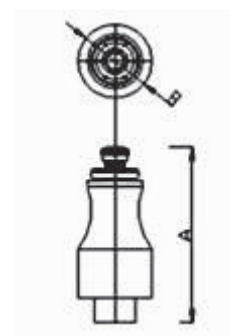
The waterlily exhibits excellent prismatic light reflecting prosperities, thanks to the multi-channeled nozzles individual water trajectories that expand to form liquid crystalline drops many times larger than the original clear streams. This nozzle is at its best when illuminated at night with adequate perimeter light placement.

Technical Description :

- Excellent pattern stability even in moderate wind conditions.
- The waterlily is water level independent and can be located in dry areas.
- The waterlily has a female BSP threaded connection.



PF-1308



Hydraulic Data

Model No.	BSP Conn.	Dim. A		Spray height in meter			
				0.25	0.5	0.75	1
PF-1308	1"	190mm	LPM	64	75	83	90
			Head in Mtr	2	3	3.50	4
			Dia of Cone	0.25	0.50	0.75	1



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Aerated Jets GP-4000CB Series Foam Effect Nozzles

Design/Application Data:

3400 series Aerating Jets are made of cast Bronze, Brass and stainless steel. The unique water level independent and Flow Adjustable Aerating Jets are for installation above water level the complete Jet has to be above water level.

Operating Data :

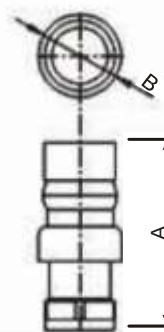
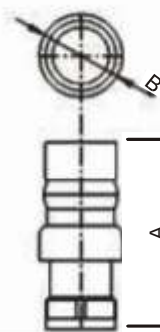
- Noise : Good
- Visibility : Excellent
- Splash/Mist : Low to moderate
- Wind Stability : Excellent
- Aeration Quality : Excellent



GP-3480 CB



GP-3481 CB



Hydraulic Data

Model No.	BSP Con.	Nozzle Length Dimn 'A'	Jet Orifice		Spray height in meter								
					0.50	1.00	1.50	2	2.5	3	4	5	6
GP-3480CB	1.½"	170mm	51mm	LPM	90	110	130	150	168	190	238	-	-
				Head in Mtr	2.5	4.3	5.9	7.00	8.00	10.5	11.00	-	-
GP-3481CB	2"	250mm	76mm	LPM	-	-	270	310	350	380	445	485	530
				Head in Mtr	-	-	3.5	4.00	5.2	6.2	7.7	9.9	12.5

Jet Cluster Nozzles

GP-4000 Series

Foam Effect Nozzles

Design/Application Data:

Jet Cluster nozzles produces a Vertical columns of water using connection rows of clear stream jet giving the appearance of a large diameter water columns. Due to the refractive quality of the individual streams, jet cluster nozzles offer good visibility at the long range viewing distance.

Nozzle is further enhanced when combined with submersible lighting. Applications

include indoor or shielded out door use in commercial, institutional and municipal building and landscape projects, as primary display features, or as peripheral accents to primary display features they are also used effectively in series or grouped in clusters.

Specification Data:

Machined brass and bronze construction machined brass jets female threaded connection.

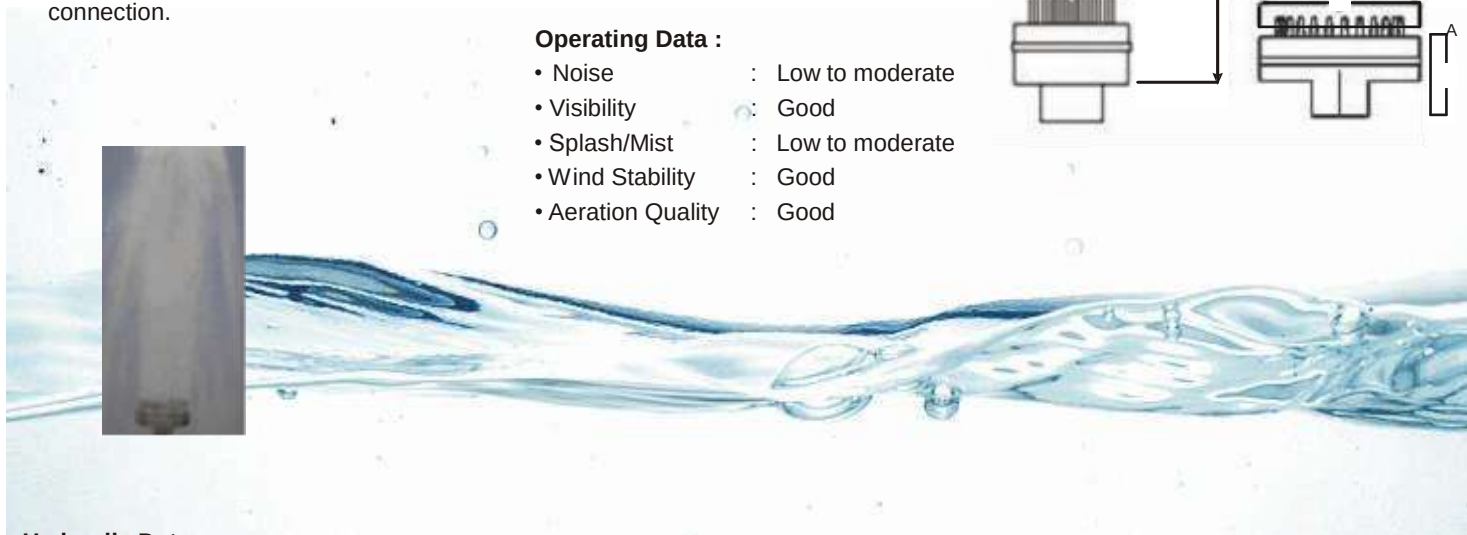
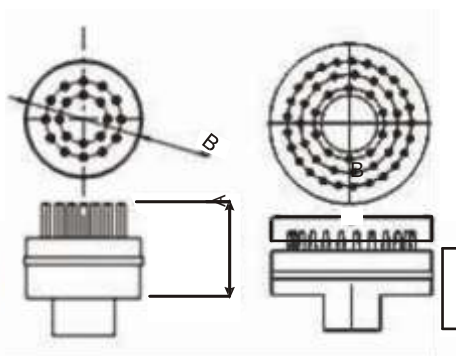
Operating Data :

- Noise : Low to moderate
- Visibility : Good
- Splash/Mist : Low to moderate
- Wind Stability : Good
- Aeration Quality : Good



GP-3490

GP-3492



Hydraulic Data

Model No.	BSP Conn	No. of Jets	Jet Orifice	Dimn. A	Dimn. B	Stream Height in Meter						
							0.50	1.00	1.50	2.00	2.50	3
GP-3490	1"	30	4.00mm	100mm	110mm	LPM	66	102	132	159	183	210
						Head in Mtr	1.00	1.50	2.00	2.5	3.10	4.00
GP-3492	2"	50	4.00mm	130mm	203mm	LPM	110	170	220	265	305	345
						Head in Mtr	1.00	1.50	2.00	3.0	3.25	3.70

Aerated Jets

GP-4000 Series

Foam Effect Nozzles

Design/Application Data:

The "Aquascape" Aerated Jet Nozzles are injection Nozzles that are independent on the water level. Because of the injection effect the surrounding Air is sucked in, intensively mixed and thrown high into the Air by the injector jet Aerating, Jet Nozzles are designed to produce columns of highly aerated water with a frothy effected.

Specification Data:

Made from Copper and Brass Pipe with Cast Bronze inlet.

Operating Data :

- Noise : Moderate
- Visibility : Excellent
- Splash/Mist : Low to moderate
- Wind Stability : Good
- Aeration Quality : Good



GP-4001



GP-4002

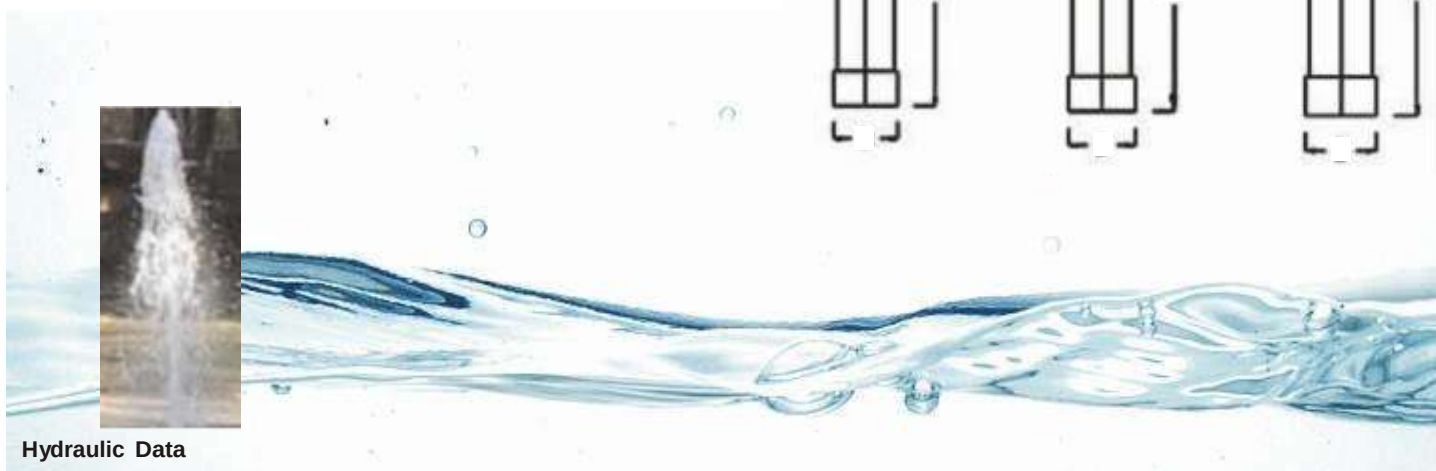
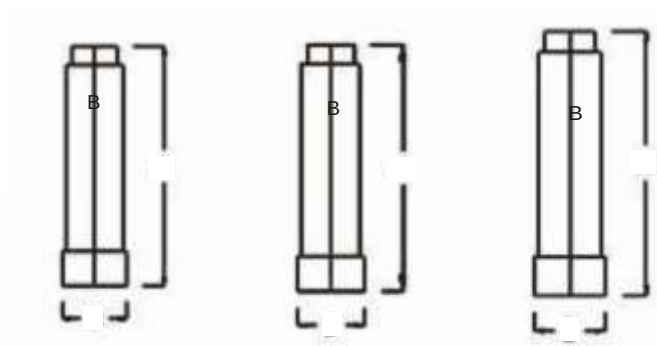


GP-4003

A

A

A



Hydraulic Data

Model No.	BSP Con.	Dim. A	Jet Orifice		Spray height in meter					
					1	2	3	4	5	6
GP-4001	1"	150mm	25mm	LPM	40	55	70	-	-	-
				Head in Mtr	6	8	10	-	-	-
GP-4002	1½"	210mm	40mm	LPM	100	140	170	200	-	-
				Head in Mtr	6	8	10	12	-	-
GP-4003	2"	230mm	50mm	LPM	110	180	210	240	275	320
				Head in Mtr	6	8	10	14	16	18

Foam Nozzles

GP – 4000 Series

Foam Effect Nozzles

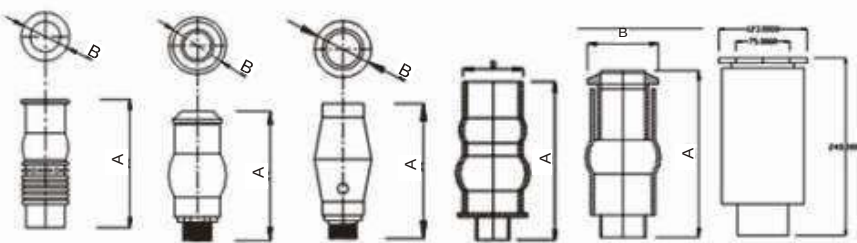


Design/Application Data :

A column of Frothy, aerated water, Recommended for small and medium displays in shallow pools. Beautiful when lighted. Jet has low profile and neat appearance. No constant water level is required.

Specification Data :

Cast bronze and brass with internal air/water ration adjustment. Exterior is of Bronze.



Hydraulic Data

Model	BSP	Dia.	Jet	Spray height in meter										
No.	Con.	A	Orifice		0.50	1	1.50	2	2.5	3	3.5	4	4.5	5
GP-3401	½"	100mm	23 mm	LPM	40	60	-	-	-	-	-	-	-	-
				Head in Mtr	1.25	2.1	-	-	-	-	-	-	-	-
GP-3402	1"	140mm	35 mm	LPM	55	80	97	111	123	-	-	-	-	-
				Head in Mtr	1.38	2.7	3.99	5.23	6.50	-	-	-	-	-
GP-3403	1"	160mm	40mm	LPM	60	95	125	140	160	185	-	-	-	-
				Head in Mtr	2	4	5.76	7.5	9.20	10.9	-	-	-	-
GP-3409	1"	160mm	50 mm	LPM	70	100	135	150	170	195	-	-	-	-
				Head in Mtr	2	4	5.76	7.5	9.20	10.9	-	-	-	-
GP-3410	1.½"	185mm	50 mm	LPM	125	176	217	252	282	310	335	360	381	402
				Head in Mtr	1.7	1.90	2.84	3.81	4.79	5.76	6.74	7.32	8.71	9.69
GP-3412	2"		70mm	LPM		230	270	315	347	385	400	440	450	485
				Head in Mtr		2.5	3.5	4.00	5.00	6.00	7.00	8.00	9.00	10.00

Foam Geyser Jets

GP-4000 Series

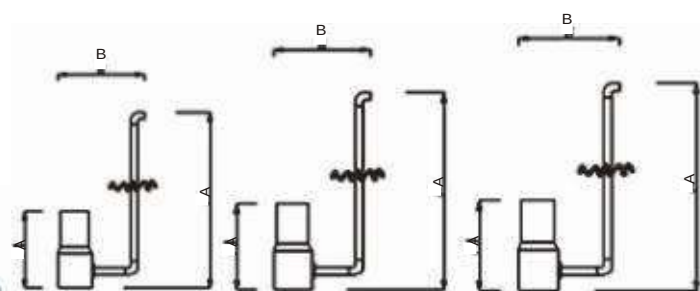
Foam Effect Nozzle (Water Level Dependent)

Design/Application Data :

The Foam Geyser Nozzles are designed to provide in their lowest spray heights white mounds of water. While at greater spray height to provide highly visible fluffy white spray effect. Foam Geyser nozzles are made of cast bronze with hard copper air snorkels.

Operating Data :

- Noise : Good
- Visibility : Excellent
- Splash/Mist : Low to moderate
- Wind Stability : Excellent
- Aeration Quality : Excellent



Hydraulic Data

Model No.	BSP	Dimension			Jet Orifice		Spray height in meter								
	Con.	A	A1	B			1.00	1.50	2	2.5	3	4	5	6	8
GP-3461	1.1/4"	347	125	119	32mm	LPM	125	150	175	190	200	230	-	-	-
	Dim.	mm	mm	mm	Dim.	Head in Mtr	5.00	7.00	8.0	8.36	10.8	15	-	-	-
GP-3462	1.1/2"	375	138	138	38mm	LPM	175	205	231	258	281	337	380	-	-
	Dim.	mm	mm	mm	Dim.	Head in Mtr	5	7	8.4	11.6	17	21.1	23.5	-	-
GP-3463	2"	422	180	180	51mm	LPM	265	305	337	364	383	432	473	515	1007
	Dim.	mm	mm	mm	Dim	Head in Mtr	3.9	5.2	6.3	7.4	8.2	10	11.6	13.2	21

Water level dependent Cascade Jet
GP-4000 Series
Foam Effect Nozzle (Water Level Dependent)

Design/Application Data:

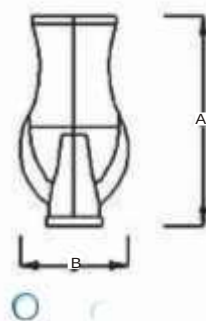
The Cascade nozzles produce a graceful conical Shaped while display. The water level dependent aerated display is suitable for clam to light wind conditions. Exhibits excellent light reflecting properties.

Specification Data:

Constructed of machined cast bronze natural finish.

Note:

The prevent undulating water display avoid installations where water level varies or where waves may develop.



Hydraulic Data		Dim A		Spr y heig t in meer									
Model No.	BSP Con.	Nozzle Length	Jet Orifice		1	2	3	4	5	6	8	10	12
GP-3450	1"	152 mm	50mm	LPM	100	131	153	174	-	-	-	-	-
		(6")		Head in Mtr	8	14	20	24	-	-	-	-	-
GP-3451	1.1/2"	228 mm	70mm	LPM	122	160	190	224	-	-	-	-	-
		(9")		Head in Mtr	6.60	12.60	16	23	-	-	-	-	-
GP-3452	2"	254 mm	90mm	LPM	194	320	380	420	467	489	570	720	-
		(10")		Head in Mtr	7	9	13	19	23	26	33	39	-
GP-3453	3"	335 mm	150mm	LPM	333	560	645	743	844	930	1132	1390	1552
		(14")		Head in Mtr	6	8	10	14	17	20	34	40	57

High Jet

GP-1000 Series

Single Jet Nozzles

Design/Application Data:

The High Jet Nozzle is Special Nozzle that is used to achieve greater Fountain Height, preferred in Floating and lake fountains.

- Clear wind stable and full stream jet
- Independent from the water level
- For greater fountain Height

Specification Data :

Made from cast bronze with mirror in side surface.

Operating Data :

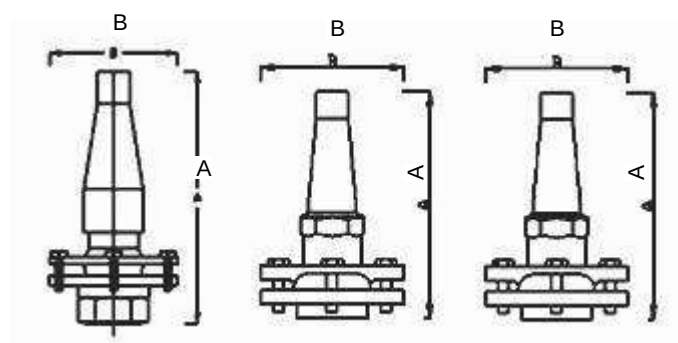
- Noise : Moderate
- Visibility : Excellent
- Splash/Mist : Low to moderate
- Wind Stability : Good
- Aeration Quality : Good



GP-1048

GP-1050

GP-1051



Hydraulic Data

Model	BSP	Dimension	Jet Orifice		Stream Height in Meter								
No.	Conn.				2	3	4	5	6	8	10	15	20
GP-1048	1½"	235mm	19mm	LPM	105	125	150	180	215	255	280	-	-
				Head in mtr.	3	4	5	6.5	8	10	12.5	-	-
GP-1050	3"	315mm	45mm	LPM	555	675	875	990	1230	1500	1700	2000	2275
				Head in mtr.	3	4	5	6.5	8	10	12.5	20	27
GP-1051	4"	410mm	55mm	LPM	690	907	1123	1300	1684	2050	2300	2800	3200
				Head in mtr.	3	4	5	6.5	8	10	12.5	20	27

Adjustable Clear Stream Jets

GP – 1000 Series

Single Jet Nozzles

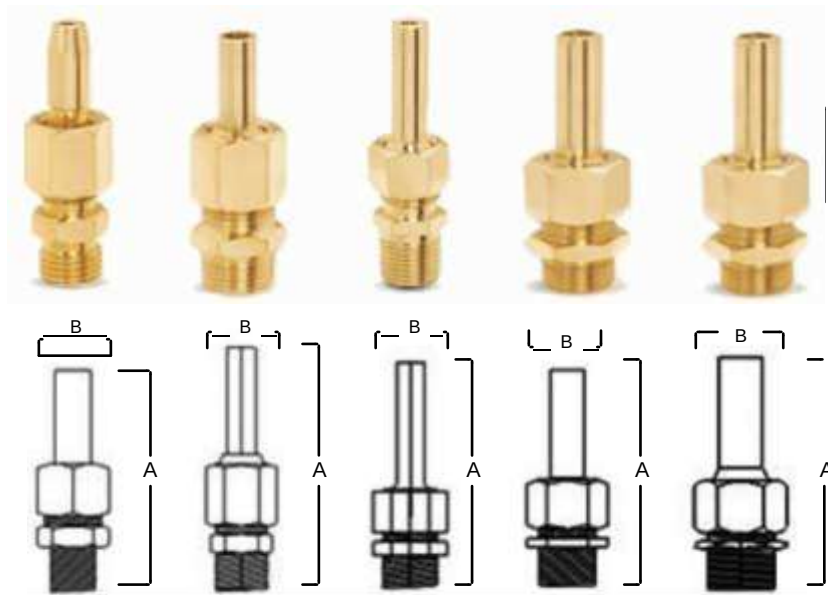
Design/Application Data:

Small tapered Adjustable clear stream nozzle develops display with a minimum of distortion. Designed for precision use with spray ring, spray ring, spray bars or other installations where precision vertical columns or trajectory patterns are desired.

Note

- (1) Smaller orifice water patterns are sensitive to wind and should be used indoors or in protected areas.
- (2) Larger orifice water patterns are more stable to wind conditions be develop a greater return splash and a louder sound lever, which may in some interior locations.

GP-1009 GP-1010 GP-1011 GP-1012 GP-1013



Hydraulic Data

Model	BSP	Dim. A	Orifice		Stream Height in Meter						
No.	Conn.				1	1.5	2	2.5	3	3.5	4
GP-1008	1/8"	43mm	3mm	LPM	1.45	2.30	3.00	3.50	4.20	4.70	5.00
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
GP-1009	1/4"	53mm	3mm	LPM	1.45	2.30	3.00	3.50	4.20	4.70	5.00
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
GP-1010	3/8"	63mm	4.75mm	LPM	7.60	9.15	10.50	11.25	12.00	12.75	13.75
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
GP-1011	1/2"	87mm	6.35mm	LPM	12.00	15.50	17.60	19.00	21.00	22.00	24.50
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
GP-1012	3/4"	110mm	10mm	LPM	14.50	20.00	27.00	32.00	37.00	41.00	46.00
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35
GP-1013	1"	122mm	16mm	LPM	44.00	55.00	80.00	90.00	100.00	110.00	121.00
				Head in Mtr	1.35	2.00	2.70	3.35	4.00	4.70	5.35

Vulcan Fix Jets

GP – 1100 Series

Multi Jet Nozzles

Design/Application Data :

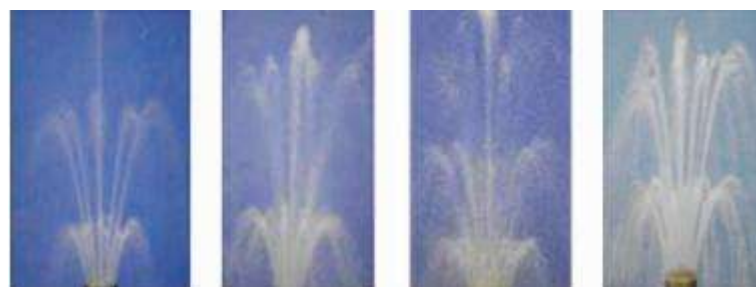
A sparkling and unique triple – tiered effect of clear streams. Ideal for small and medium sized displays. No constant water level is required.

Specification Data :

Cast bronze construction with Fix Jets removable cap for easy cleaning.

Operating Data :

- Noise : Low
- Visibility : Moderate
- Splash/Mist : Poor
- Aeration Quality : Poor

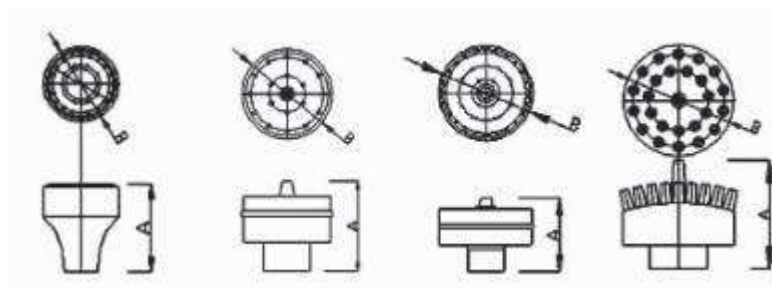


GP-1101

GP-1102

GP-1103

GP-1104



Hydraulic Data

Model No.	BSP Conn	No. of Jets	Dimension		Orifice			Stream Height in Meter						
			A	B				1	1.5	2	2.5	3	3.5	4
GP-1101	½"	31	70mm	60mm	31@	2.00mm	LPM	25	40	-	-	-	-	-
							Head in Mtr	1.5	2.30	-	-	-	-	-
GP-1102	1"	19	85mm	85mm	1@	5.00mm	LPM	65	80	95	110	120	130	150
					18@	3.90mm	Head in Mtr	2.5	2.6	3.5	5.00	6.5	8.00	9.00
GP-1103	1"	43	85mm	115mm	1@	5.00mm	LPM	80	120	135	145	165	180	190
					42@	2.80mm	Head in Mtr	3.00	3.5	4.00	6.00	9.00	10.00	11.50
GP-1104	1"	26	80mm	85mm	1@	5.00mm	LPM	100	120	135	150	165	175	190
					25@	4.00mm	Head in Mtr	3.00	3.50	4.00	6.00	9.00	10.00	11.50

Finger Jet

GP-1100 Series

Multi Jet Nozzles

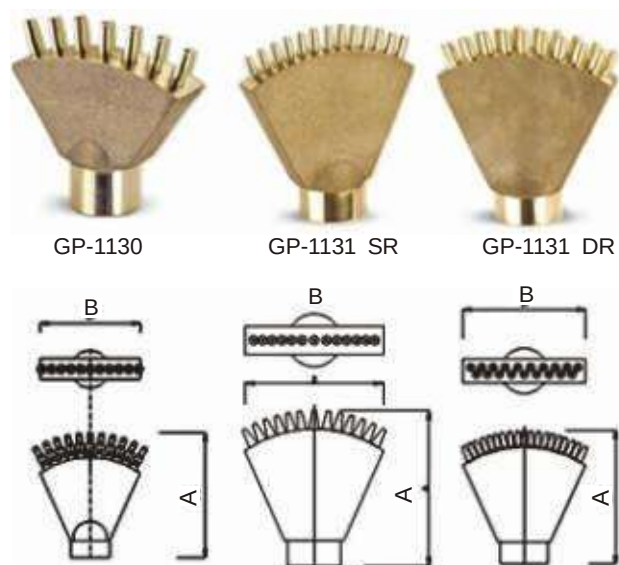
Design/Application Data :

Finger jet nozzle produces a delicate, arching spray pattern using precision clear stream jets. Combined with a main swivel connection permits a wide range of spray patterns and angles. Due to the low noise and splash reduced, finger jets are ideal use in courtyard or entryway pools designed for close range viewing distance.

Application includes indoor or shielded outdoor use in commercial institutional and municipal building and landscape projects as primary display features, or as peripheral accents to primary display features they are also used effectively in series or grouped in clusters.

Specification Data :

Machined brass and bronze construction. Female threaded connection.



Operating Data :

- Noise : Low
- Visibility : Poor
- Splash/Mist : Low to moderate
- Wind Stability : Poor
- Aeration Quality : Poor

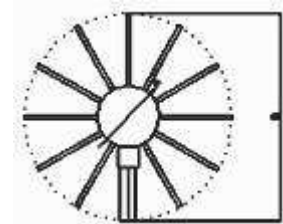
Hydraulic Data

Model No.	BSP Conn	No. of Jets	Diamm. A	Orifice	Parabolic Length	Parabolic Height	Parabolic Width	LPM	Head Meter
GP-1130	1"	07	110mm	4mm	1.00 m	0.12 m	1.00 m	48	1.22
					1.50 m	0.21 m	1.25 m	58	2.00
					2.00 m	0.30 m	1.50 m	65	2.50
GP-1130 SR	1½"	13	175mm	4mm	1.00 m	0.12 m	1.50 m	78	1.00
					1.50 m	0.21 m	2.20 m	100	1.20
					2.00 m	0.30 m	2.80 m	117	1.60
					2.50 m	0.39 m	3.40 m	122	2.00
					3.00 m	0.50 m	3.60 m	130	2.50
GP-1130 DR	1½"	19	175mm	4mm	1.00 m	0.25 m	1.50 m	114	1.00
					1.50 m	0.40 m	2.20 m	152	1.20
					2.00 m	0.60 m	2.80 m	170	1.60
					2.50 m	0.80 m	3.40 m	180	2.00
					3.00 m	1.00 m	3.60 m	190	2.50

Dandelion(sphere)
GP-6400 Series
Sphere Effect Nozzles

Design/Application Data :

The Dandelion Sphere effect is created by multiple discs of water radiating from a center manifold. These effects produce a fine spray that results in evaporation cooling in the area of the effect. Construction is of cast bronze and precision machined brass.



Hydraulic Data

Model No.	BSP Con.	Dimension B Sphere O.D.	Dimension A Hub Dia	No. of Arms	LPM	Head in Meter
GP-6441	2.½"	1.00 Mtr.	204 mm	40	450	10.00
GP-6443	2.½"	1.20 Mtr.	204 mm	40	500	10.00
GP-6445	4"	2.00 Mtr.	254 mm	110	1500	15.00

Tulip Jet

GP-1300 Series

Water Film Nozzles

Design/Application Data :

A Clear pulsating sheet of water in a mushroom form when operated in a full sheet pattern there is very little shape or splash, ideal for both silent and windy locations. Preferred for floating or lake fountain.

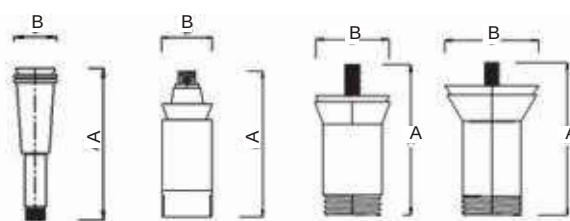
Specification Data :

Cast bronze and brass construction with adjustable top cone.

- Bottom of nozzle must be installed at water level.
- Water supply must be non-trouble.

Operating Data :

- Noise : Good
- Visibility : Excellent
- Splash/Mist : Excellent
- Wind Stability : Excellent
- Aeration Quality : Moderate



Hydraulic Data

Model No.	BSP Con.	Dimension		Spray height in cm				
		A	B		15 cm	30 cm	45 cm	
GP-1303	½"	160 mm	45 mm	LPM	10	22	30	
				Spread Head in Mtr	1	1	1	
Model No.	BSP Con.	Dimension		Spray height in meter				
		A	B		0.5	1	2	3
GP-1332	1½"	140	50	LPM	50	80	-	-
		MM	MM	Spread dia in mtr.	0.50	1.00	-	-
				Head in Mtr	3.00	5.00	-	-
GP-1333	2½"	200	100	LPM	-	200	300	400
		MM	MM	Spread dia in mtr	-	1.00	2.50	4.00
				Head in Mtr	-	5.00	6.00	7.00
GP-1334	3"	260	140	LPM	-	300	400	500
		MM	MM	Spread	-	1.50	3.00	5.00
				Head in Mtr		5.00	6.00	7.00
							8.00	

Bell

GP-1300 Series

Water Film Nozzles

Design/Application Data:

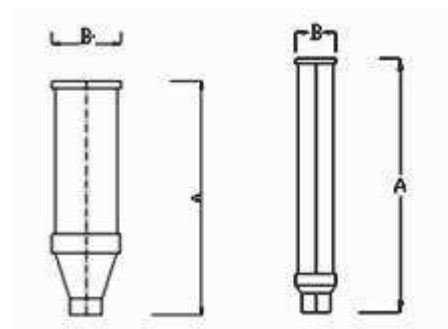
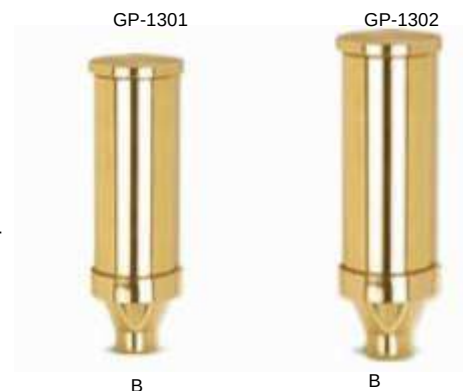
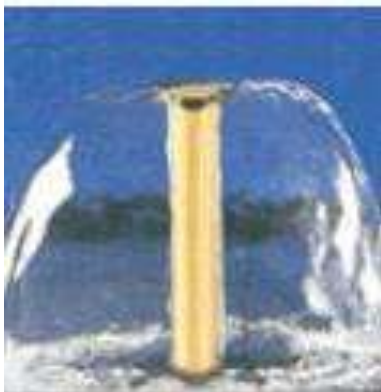
A Clear of water in the shade of a bell. Minimum sound or splash. For silence wind-free locations in small and medium sized displays. Ideal in grouping of various heights. No. Constant water level required.

Specification Data :

Brass with adjustable top.

Note : (for Optimum Effects)

- Requires non-turbulent water supply.
- Requires fine screening at pump.



Hydraulic Data

Model No.	BSP Con.	Dimension			Spr y diameter cm)			
		A	B		15 cm	30 cm	45 cm	60 cm
GP-1301	½"	176	56	LPM	8	12	20	30
		mm	mm	Head in Mtr	1	1	1	1
GP-1302	1"	350	56	LPM		15	22	35
		mm	mm	Head in Mtr		1	1	1

Water Lily
GP-1300 Series
Water Film Nozzles

Design/Application Data :

A study in contrasting waterborne art Waterlily nozzle produces an eye-catching display that's both light and delicate. A miniature version of our Crystal Arch nozzle, the waterlily combines that lofty, single tier arching pattern with a lower bell shape feature similar to the Trumpet, with a compact, sheeting fall.

The waterlily exhibits excellent prismatic light reflecting prosperities, thanks to the multi-channeled nozzles individual water trajectories that expand to form liquid crystalline drops many times larger than the original clear streams. This nozzle is at its best when illuminated at night with adequate perimeter light placement.

Technical Description :

- Excellent pattern stability even in moderate wind conditions.
- ~~The waterlily is water level independent and can be located in dry areas.~~
- The waterlily has a female BSP threaded connection.



GP-1308



Hydraulic Data

Model No.	BSP Conn.	Dim. A		Spray height in meter			
				0.25	0.5	0.75	1
GP-1308	1"	190mm	LPM	64	75	83	90
			Head in Mtr	2	3	3.50	4
			Dia of Cone	0.25	0.50	0.75	1

LAMINAR JET



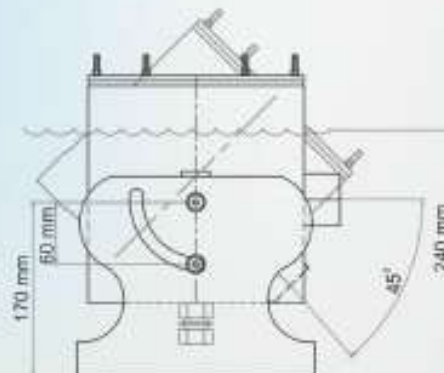
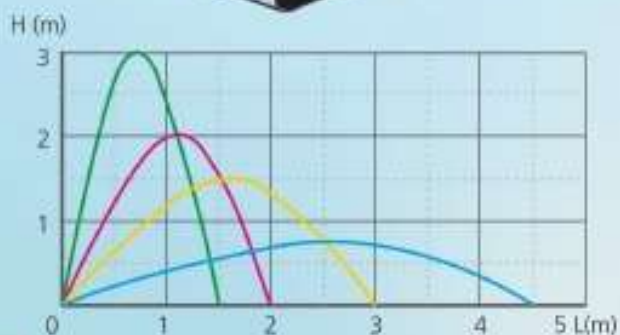
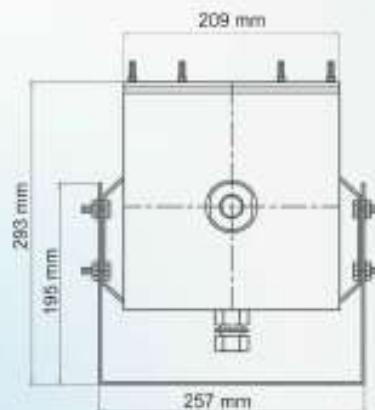
DESIGN / APPLICATION DATA

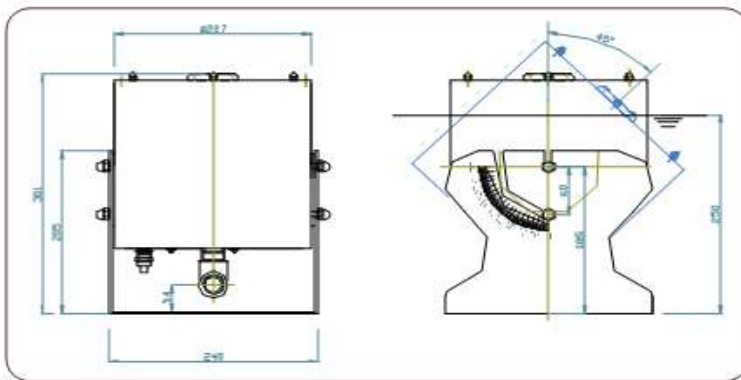
Laminar Jets clear or lighted arcs of water as they silently enter your pool or spa. Laminar Jets create spectacular backyard water entertainment with dazzling nighttime lighting effects.

Laminar Jets create a glass-like rod of water that is perfectly clear and still. With lighted jet, the water appears to glow.

SPECIFICATION DATA:

Material of construction is Stainless steel 316





¾ Inlet size : 1" BSP

¾ Water Level : 180- 250mm

¾ Jet diameter : 10mm / 12mm

¾ Material : Stainless Steel

¾ Power Rating : 24v x 150w

¾ Nozzle Swivel range : 45*-80*

¾ Light : Single Color



GP-SHW

DESIGN / APPLICATION DATA:

This Jet is preferred and popular solutions for dry deck fountains. This jet is an exciting interactive jet that produces at programmable effects at high switching speed. It is designed to be safe walk on top as it is absolutely.

This jet is easy to maintain incorporates a nozzle and a circular light ready to install unit.

SPECIFICATION DATA:

Material of construction is Stainless steel 316 / Bronze

LIGHTING:

Circular LED light 12V DC x 18W

Notes:

- With group of Waterswitches we can produce wide verity of geometric patterns.
- Multiple height of each Waterswitch can be achieve Variable Frequency Device (VFD)
- Dry and submerge both applications.
- 12V DC x 18W LED RGB circular light produce dramatic lighting show.
- Can be adjust upto 5 from center line
- Less than 10mm opening in slab hanger prevent toe entrapment for safety





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