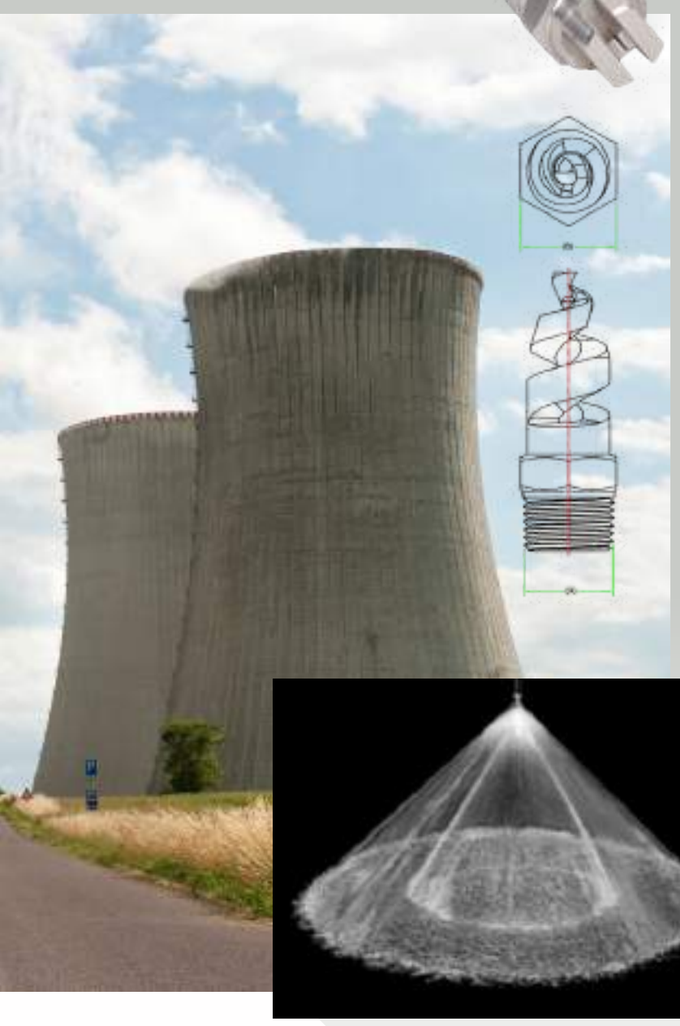
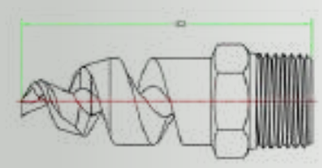
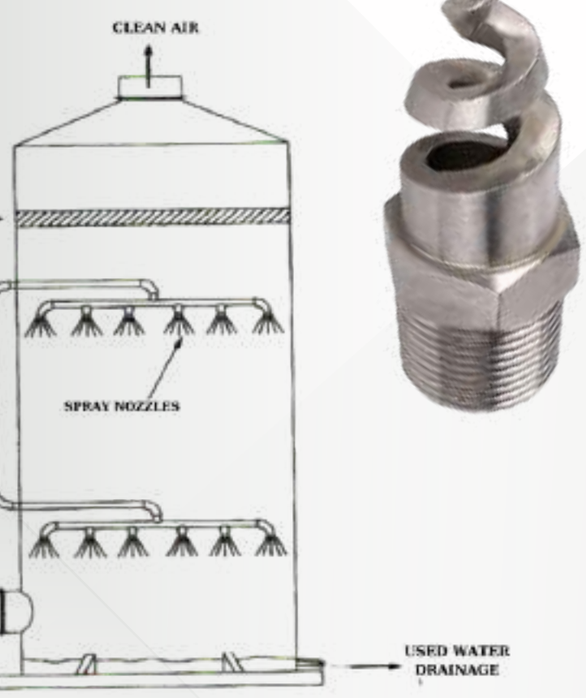
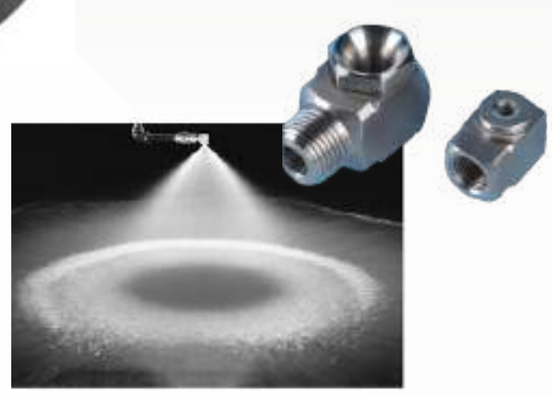
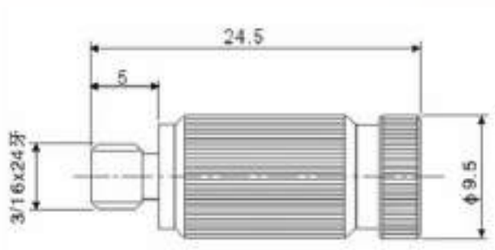
ALFANOZZLE











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CATALOGUE

ALFANOZZLE

Our Vision

To meet customer demands and expectations at the highest level by constantly improving our product and service quality, to offer quality product diversity in line with the needs of the sector, to have a good place for ourselves in national and international markets where competition is at a high level and quality and reliability are indispensable.

Our Mission

To its domestic and foreign customers in the field; is to offer innovative, reliable, efficient, practical, suitable products for the purpose of businesses with high quality, customer-specific fast solutions at the best price and to make customer satisfaction permanent

Main Products

Industrial Nozzles
Spray Equipment
Fittings

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ALFANOZZLE

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Greenhouse Cooling & Irrigation

Surface Cleaning of The Metal Parts

Washing Dust Removal

Automobile Spray Cleaning

High Pressure Phosphorus Removal in Steel Works

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·Spraying, Coating

Sponge cake with donkey slurry spray. Dust-proof spraying agent for image tube. Icing key coloring.
Adhesive spray cloth for building materials. Metal phosphide parts
Airless spray or spray paint. Tablet coating. Spray rust inhibitor coating coils in a paper mill
Spray products with fuel for identification
Spray wax, resin and wet agent on the medicine. Grease before baking
food is sprayed with additives and flavorings
Spray protectant on furniture. Apply release agent to the mold
Box for tile and color tile. Apply oil to the metal surface
Food and beverage can inner wall feed coating. The removal of oxygen from the chimney. Printing roller coated with silicone
Coat with egg sauce. Dispersion of metal release agent.
Ceramic tile glaze coating. Solution cloth on brick

·Remove

Paper making/edging
The label of the bottle has slipped away. Separate selection in quality control
Dust removal of glass plate. Paper machine trimming
Separate sheet metal before stamping
Air conditioning filter replacement standard

·Dust prevention

Handling of grain storage yard
Prevent dust adhesion after coating. Cement/mixing plant
Prevent dust when the casting is transported. Garbage sweeper ground ash
Remove dust from the cupola
Coal ash control at side coal. Cement plant
Dust from chimneys and incinerators

·Dust Control

Dust control in coal ash and sand transportation Humidify the roof of the coal truck
Remove dust from smoke towers
Control of iron oxide layer in steel rolling. Suppress dust when dumping coal
Dust control in cement kilns
Dust suppression during wood chip transport
Slag pit ash layer control
Garbage sweeper ground ash
Dust control in the transport and handling of refuse Remove dust from the cupola

·Oiling

Iron plate lubrication and rust prevention. Lubricant spraying of glass bottles. Lubricant spraying for press engineering
Lubricating oil coating of cables.Gear lubrication. Spray release agent
Lubricate conveyor belts or transmission chains Copper cable lubrication
Die lubrication for large forging presses. Hydraulic oil injection
Lubricate blades and springs. Shaft and bearing lubrication

·Agriculture and Animal Husbandry

Agricultural irrigation Sprayed pesticide. Drought-resistant irrigation. Vegetation protection mushroom planting
Spray the roots of crops large areas of crop spraying

·Salt Damage Test

Salt damage test salt spray test face. Reaction test

·Surface Treatment

Antirust oil spraying of metal pipes
The glazing of luxury bricks
Make dyeing marks for corrugating molding. Mold release agent spraying
Glass plate protective spray cloth
Wax coating in glass bottle

·Gas Regulation

Wash paint booth air
Gas washing in pipes and cleaning towers
Sulfur dioxide (S02) removal
Nitrogen oxide (NOx) control
Smoke is eliminated from the center
Reactor wash system
Air cleaning system in air conditioning system. Control of iron oxide dust in steel rolling. Centrifugal wet dust collector
Remove dust from chimneys and furnaces
Spray ammonia to eliminate nitrogen oxide. Space humidification to eliminate static electricity. Spray lime slurry to remove sulfur dioxide

·Fire Prevention

Electrical equipment area Pressure vessel coal storage area Horizontal multi-layer dryer
Rocket missile test stand
Buildings and public buildings in the mine
Conveyor channel
Outside fire fighting in nuclear power plant
Fire fighting equipment for oil tank and gas tank. Fuel supply station for tank car
Fire spray on the rocket pad
Storage tank
Pipes in steel mills and refineries
LPG tank and tank car
Used on ships and submarines
Offshore oil field
Substation, agricultural machinery station. Carbon proof of storage tank

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ALFANOZZLE

The nozzles are widely used in various fields of industrial applications.
The products have covered surface treatment, electronics, textile, steel, pharmaceutical and other industries.

·Cooling
Remove burning gas from the plant. Continuous casting in steelmaking
Stretch works for covered wires. Forming of plastic pipe. Cooling tower
Conveyor belt cooling. Post-heat hardening
Die cooling. PVC pipe extrusion cooling
Secondary cooling of continuous casting in steel
Roll cooling in steel. Tank cooling. Roof cooling
Condenser coil cooling. Kiln tail gas cooling
Aluminum products are pressed and cooled. Strip binding machine cooling
Cooling of tools, materials, etc
Cooling and humidification before electrostatic precipitation and dust removal
Cooling of belt grinder
Cooling of beverages
Cooling of wire extension works. Plastic forming product cooling
Direct and indirect cooling of products. Cooling granulation
Spray cooling of equipment

·Spice Additive Industry
·Cleaning

Clean semiconductor chips
Desulphurization of exhaust gases, removal of dioxin
High pressure cleaning of cement mixer. Automatic cleaning of beer kegs
Cars, motorcycles, household appliances, etc .. Cleaning of electronic circuit board
Circuit board chemical cleaning
Beer bottle cleaning
Glass cleaning in the mirror industry
Clean the sand and gravel from the screen
Cleaning of iron sand on conveyor belt
Cleaning of blankets and netting in paper mills
Cleaning the inner wall of tank and container
Disinfection and sanitation equipment in food processing plants
Strainer and filter
Fruit and vegetable washing

Food processing plant bottle cap cleaning. Cleaning industrial equipment
Clean the items on the hanging chain. Pretreatment of metal surfaces
Bottle cleaning
Building exterior cleaning by drone
High pressure water dephosphorization of rolled steel surface
Tank inside cleaning
Solar panel cleaning
Plastic container washing
Cleaning of various bottles and oil tanks. Machining workshop floor cleaning
·Spatial And Local Humidification
Humidity adjustment in the printing plant
Prevent surface 1 of the processed paper from cracking
Prevent static electricity from plastic parts. Mushroom cultivation
Fresh fruit pickling storage moisture .Textile workshop humidification
Printing room humidification Cellophane humidification Printing roller.
Coated with silicone Cold and wet products room
Oxygen tents in hospitals greenhouse
Cuttings and flowers freezer. Paper humidification system. Spray drying
Temperature control function. Simple portable pavilion
Artificial snow machine fountainfog in the garden. Generator

·Sterilization And Disinfection
Disinfection of bottle caps
Food conveyor belt disinfectant spray cloth.
Coliform countermeasures in rice containers.
Building cleaning
Blending of products
The steam directly heats the water and the gas is stirred

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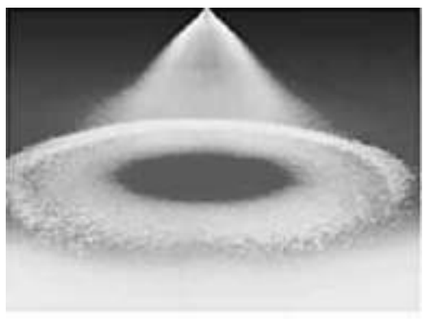
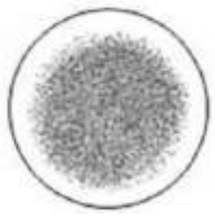
ALFANOZZLE

The spray patterns of the nozzle is generally divided into four types:

Flat Fan	Hollow Cone	Full Cone	Solid
			
			

Tolerance Range Of Nozzle Flow and Nozzle Angle

- The division's nozzle flow tolerance - General 5.5%.
- The division's nozzle Angle tolerance is generally Earth 5°.
- The tolerance of the liquid column flow Angle is generally within 3°

Material Selection Of Nozzle

- Plastic : PP, PVC, ABS, PVDF, PTFE
- Metal : BRASS, 303 SS, 304 SS, 316 SS, 316 L SS, TN

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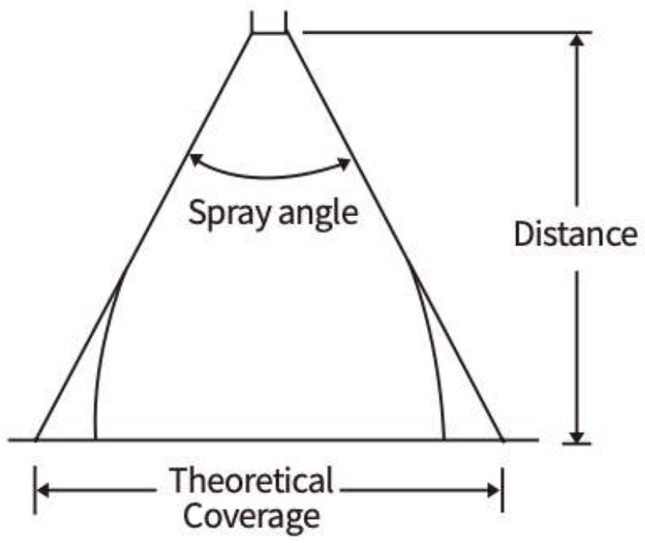
Spray Angle	Theoretical Coverage at Different Distances (cm)											
	5	10	15	20	25	30	40	50	60	70	80	100
5˚	0.4	0.9	1.3	1.8	2.2	2.6	3.5	4.4	5.2	6.1	7	8.7
10˚	0.9	1.8	2.6	3.5	4.4	5.3	7	8.8	10.5	12.3	14	17.5
15˚	1.3	2.6	4.0	5.3	6.6	7.9	10.5	13.2	15.8	18.4	21.1	26.3
20˚	1.8	3.5	5.3	7.1	8.8	10.6	14.1	17.6	21.2	24.7	28.2	35.3
25˚	2.2	4.4	6.7	8.9	11.1	13.3	17.7	22.2	26.6	31.0	35.5	44.3
30˚	2.7	5.4	8.0	10.7	13.4	16.1	21.4	26.8	32.2	37.5	42.9	53.6
35˚	3.2	6.3	9.5	12.6	15.8	18.9	25.2	31.5	37.8	44.1	50.5	63.1
40˚	3.6	7.3	10.9	14.6	18.2	21.8	29.1	36.4	43.7	51.0	58.2	72.8
45˚	4.1	8.3	12.4	16.6	20.7	24.9	33.1	41.4	49.7	58.0	66.3	82.8
50˚	4.7	9.3	14.0	18.7	23.3	28.0	37.3	46.6	56.0	65.3	74.6	93.3
55˚	5.2	10.4	15.6	20.8	26.0	31.2	41.7	52.1	62.5	72.9	83.3	104
60˚	5.8	11.6	17.3	23.1	28.9	34.6	46.2	57.7	69.3	80.8	92.4	115
65˚	6.4	12.7	19.1	25.5	31.9	38.2	51.0	63.7	76.5	89.2	102	127
70˚	7.0	14.0	21.0	28.0	35.0	42.0	56.0	70.0	84.0	98.0	112	140
75˚	7.7	15.4	23.0	30.7	38.4	46.0	61.4	76.7	92.1	107	123	153
80˚	8.4	16.8	25.2	33.6	42.0	50.4	67.1	83.9	101	118	134	168
85˚	9.2	18.3	27.5	36.7	45.8	55.0	73.6	91.6	120	128	147	183
90˚	10.0	20.0	30.0	40.0	50.0	60.0	80.0	100	131	140	160	200
95˚	10.9	21.8	32.7	43.7	54.6	65.5	87.3	109	143	153	175	218
100˚	11.9	23.8	35.8	47.7	59.6	71.5	95.3	119	171	167	191	238
110˚	14.3	28.6	42.9	57.1	71.4	85.7	114	143	208	200	229	286
120˚	17.3	34.6	52.0	69.1	86.6	104	139	173	257	243	-	-
130˚	21.5	42.9	64.3	69.3	107	129	172	215	-	-	-	-
140˚	27.5	55.0	82.4	85.8	137	165	220	275	-	-	-	-
150˚	37.3	74.6	112.0	110	187	224	299	-	-	-	-	-
160˚	56.7	113	170	149	284	-	-	-	-	-	-	-
170˚	114	229	-	227	-	-	-	-	-	-	-	-



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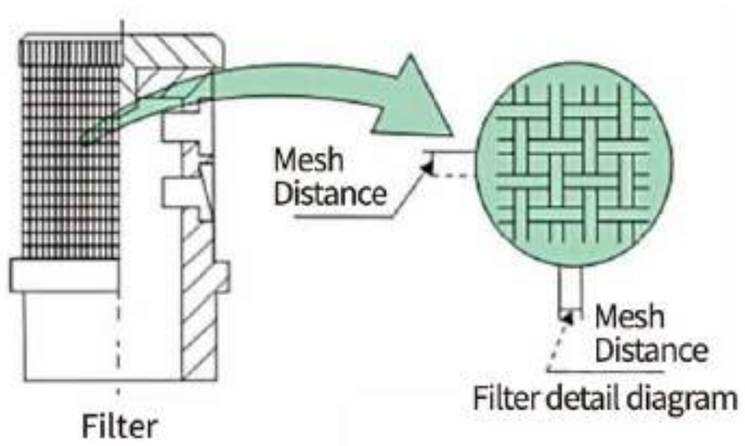
The nozzle generally selects different filters according to the use of the situation, the choice of large particle size is larger than the coarse filter particle size small color selection of fine filters, filters are determined according to the number of mesh specifications.

Please see the chart below:

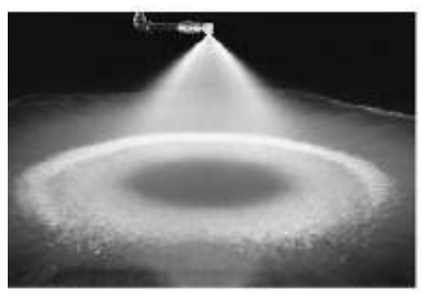
The filter in the nozzle is composed of the main body, the cap and the filter screen.

Mesh Number	Mesh Distance (mm)	Particle Path (mm)
# 200	0.07	under 0.2
# 150	0.10	0.3-0.4
# 100	0.15	0.5-0.7
# 50	0.30	0.8-0.9



ALFANOZZLE

A (INTERNAL THREAD) / AA (EXTERNAL THREAD) STANDARD ANGLE HOLLOW CONE NOZZLES



·Spray Angle : 51°-144°
·Spray Pattern : Hollow cone- shaped spray pattern with a ring-shaped impact area.
·Drops : Small- to medium-size, uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS/PP/PVC/PTFE.
·Features : Large,unobstructed flow passages minimize clogging

Good atomization of liquids at lower pressures,quick heat transfer,effective airborne droplet impingement.

Applications : Water cooling . Chemical processing . Cooling towers. Dust control. Gas cooling & srcubbing. Metal treating. Degreasing

·Standard Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
			0.2 bar	0.5 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	0.5 bar	1.5 bar	6 bar
1/8	0.5	1.2	-	0.16	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.60	-	58	69
	1	1.6	-	0.32	0.46	0.56	0.61	0.79	0.91	1.1	1.1	1.2	-	64	76
	2	2.0	-	0.64	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	52	61	69
	3	2.4	-	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	52	64	77
	5	3.2	1.0	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	56	67	76
	8	4.0	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	56	65	70
	10	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	55	65	72
1/4	1	1.6	-	-	0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	-	53	67
	2	2.0	-	0.64	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	-	62	71
	3	2.4	-	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	51	65	78
	5	3.6	1.0	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	63	73	79
	8	4.0	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	61	69	73
	10	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	63	70	74
	15	5.2	3.1	4.8	6.8	8.4	9.7	11.8	13.7	15.1	16.7	18.1	63	71	72
3/8	5	3.2	1.0	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	64	73	79
	8	4.0	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	62	70	74
	10	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	64	72	75
	15	5.6	3.1	4.6	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	64	72	74
	20	6.4	4.1	6.4	9.1	11.2	12.9	15.8	18.2	20	22	24	63	70	74
	25	7.5	5.1	8.1	11.4	14.0	16.1	19.7	23	25	28	30	63	70	74
	30	7.9	6.1	9.7	13.7	16.7	19.3	24	27	31	33	36	63	70	74
1/2	25	6.4	5.1	8.1	11.4	14.0	16.1	19.7	23	25	28	30	63	66	71
	30	7.5	6.1	9.7	13.7	16.7	19.3	24	27	31	33	36	67	71	75
	40	9.1	8.2	12.9	18.2	22	26	32	36	41	45	48	72	76	78
	50	11.1	10.2	16.1	23	28	32	39	46	51	56	60	74	79	82
	60	13.1	12.2	19.3	27	33	39	47	55	61	67	72	77	82	86

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WIDE ANGLE HOLLOW CONE

· Wide Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
			0.2bar	0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	0.5bar	1.5bar	6bar
1/8	0.5-0.5W	1.2	-	-	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.6	-	117	98
	1-1W	1.6	-	-	0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	-	125	110
	2-3W	2.8	-	0.81	1.1	1.4	1.6	2.0	2.3	2.5	2.8	2.9	114	114	97
	3-3W	2.8	-	1.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.7	114	114	97
	3-5W	3.2	-	1.1	1.5	1.9	2.2	2.7	3.1	3.5	3.8	4.0	116	110	95
	2-10W	4.4	-	1.3	1.9	2.3	2.6	3.2	3.7	4.2	4.6	5.0	130	135	120
	5-5W	3.2	-	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.5	6.1	116	110	92
	5-10W	4.4	1.3	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	126	121	95
	8-10W	4.4	1.8	2.9	4.1	5.0	5.8	7.1	8.2	9.2	10.0	10.8	124	112	90
1/4	1-1W	1.6	-	-	0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	-	117	111
	1-5W	3.2	-	-	0.77	0.95	1.1	1.3	1.5	1.7	1.9	2.0	-	123	124
	1-10W	4.4	-	-	0.96	1.2	1.4	1.7	1.9	2.1	2.3	2.5	-	144	139
	1-15W	5.6	-	-	1.1	1.3	1.5	1.9	2.2	2.4	2.7	2.9	-	128	132
	2-5W	3.2	-	1.1	1.5	1.9	2.2	2.7	3.1	3.5	3.8	4.0	118	123	113
	2-10W	4.4	-	1.3	1.9	2.3	2.6	3.2	3.7	4.2	4.6	5.0	138	136	126
	5-5W	3.2	-	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.1	114	113	104
	5-10W	4.4	1.3	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	130	130	119
	5-15W	5.6	1.6	2.5	3.5	4.3	5.0	6.1	7.0	7.8	8.6	9.3	130	132	120
	8-10W	4.4	1.8	2.9	4.1	5.0	5.8	7.1	8.2	9.2	10.0	10.8	129	122	103
	10-10W	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.2	120	108	95
	8-15W	5.6	2.2	3.5	5.0	6.1	7.1	8.7	10.0	11.2	12.3	13.2	129	122	107
	10-15W	5.6	2.4	3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.6	120	108	97
	15-15W	5.6	3.0	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.0	101	95	90
3/8	5-10W	4.4	1.3	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	130	123	102
	5-15W	5.6	1.6	2.5	3.5	4.3	5.0	6.1	7.0	7.8	8.6	9.3	138	131	112
	8-10W	4.4	1.8	2.9	4.1	5.0	5.8	7.1	8.2	9.2	10.0	10.8	122	110	96
	10-10W	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.2	116	108	93
	8-15W	5.6	2.2	3.5	5.0	6.1	7.1	8.7	10.0	11.2	12.3	13.2	133	120	105
	10-15W	5.6	2.4	3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.6	126	115	100
	8-25W	7.5	2.6	4.2	5.9	7.3	8.4	10.3	11.9	13.3	14.5	15.6	122	118	109
	10-20W	6.0	2.9	4.5	6.4	7.8	9.0	11.1	12.8	14.3	15.6	16.9	118	112	102
	15-15W	5.6	3.0	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.0	116	106	95
	15-20W	6.0	3.4	5.5	7.7	9.5	11.0	13.4	15.5	17.3	16.0	20.4	113	108	98
	20-20W	6.0	4.1	6.4	9.1	11.2	12.9	15.8	18.2	20	22	24.1	106	102	95
	15-30W	7.9	4.5	7.1	10.0	12.3	14.2	17.4	20	22	25	26.5	116	110	102
	25-25W	7.5	5.1	8.1	11.4	14.0	16.1	19.7	23	25	28	30.2	105	100	93
	25-30W	7.9	5.7	9.0	12.8	15.6	18.0	22	26	29	31	33.9	105	101	94
1/2	50-50W	11.1	10.2	16.1	23	28	32	39	46	51	56	60.9	110	102	93

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ALFANOZZLE

AD TYPE DIRECT INJECTION TYPE

Removable Cap

·Spray Angle : 52°-124°.
·Spray Pattern : Hollow cone- shaped spray pattern with a ring-shaped impact area.
·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS
·Features : Interchangeable spray caps within each inlet connection size group for maximum versatility;
Lower profile projection for installation in a tee or pipe header.

Applications : Water aerating. Degreasing. Dust control. Metal treating. Gas cooling & srcubbing. Washing & cooling

·Standard Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)											Spray Angle (°)		
			0.2bar	0.4bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	6bar	7bar	0.5bar	1.5bar	6bar
3/8	2	2.0	0.14	0.58	0.64	0.76	0.91	1.1	1.3	1.6	1.8	2.2	2.4	-	60	70
	3	2.4	0.61	0.86	0.97	1.1	1.4	1.7	1.9	2.4	2.7	3.4	3.6	52	64	77
	5	3.2	1.0	1.4	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.6	6.0	56	67	76
	8	4.0	1.6	2.3	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.9	9.6	56	65	70
	10	4.4	2.0	2.9	3.2	3.8	4.6	5.6	6.4	7.9	9.1	11.2	12.1	55	65	72
	20-10	4.4	-	4.0	4.5	5.3	6.4	7.8	9.0	11.1	12.8	15.6	16.9	61	65	67
1/2	5	3.6	1.0	1.4	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.6	6.0	63	73	79
	8	4.0	1.6	2.3	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.9	9.6	61	69	73
	10	4.4	2.0	2.9	3.2	3.8	4.6	5.6	6.4	7.9	9.1	11.2	12.1	63	70	74
	15	5.2	3.1	4.3	4.8	5.7	6.8	8.4	9.7	11.8	13.7	16.8	18.1	60	67	70
	20	6.0	4.1	5.8	6.4	7.6	9.1	11.2	12.9	15.8	18.2	22	24	63	65	69
	25	7.1	5.1	7.2	8.1	9.5	11.4	14.0	16.1	19.7	23	28	30	59	63	68
3/4	5	3.2	1.0	1.4	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.6	6.0	64	73	79
	8	4.0	1.6	2.3	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.9	9.6	62	70	74
	10	4.4	2.0	2.9	3.2	3.8	4.6	5.6	6.4	7.9	9.1	11.2	12.1	64	72	75
	15	5.6	3.1	4.3	4.8	5.7	6.8	8.4	9.7	11.8	13.7	16.8	18.1	64	72	74
	20	6.4	4.1	5.8	6.4	7.6	9.1	11.2	12.9	15.8	18.2	22	24	63	70	74
	25	7.5	5.1	7.2	8.1	9.5	11.4	14.0	16.1	19.7	23	28	30	63	70	74
	50-50.3	9.5	10.2	14.4	16.1	19.1	23	28	32	39	46	56	60	70	72	73
1-1/2	40	7.9	8.2	11.5	12.9	15.3	18.2	22	26	32	36	45	48	70	73	74
	50	9.5	10.2	14.4	16.1	19.1	23	28	32	39	46	56	60	72	75	77
	60	11.1	12.2	17.3	19.3	23	27	34	39	47	55	67	72	74	76	79
	70	12.7	14.3	20	23	27	32	39	45	55	64	78	84	76	79	83
	80	14.3	16.3	23	26	31	36	45	52	63	73	89	96	78	82	84
	90	14.7	18.3	26	29	34	41	50	58	71	82	101	109	81	84	84
	100	15.9	20	29	32	38	46	56	64	79	91	112	121	83	86	86
	110	17.1	22	32	35	42	50	61	71	87	100	123	133	85	88	88
	120	18.3	24	35	39	46	55	67	77	95	109	134	145	87	90	90

Wide Angle

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)											Spray Angle (°)		
			0.2bar	0.4bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	6bar	7bar	0.5bar	1.5bar	6bar
3/8	3-2W	2.0	-	-	0.73	0.84	1.0	1.2	1.4	1.7	2.0	2.5	2.7	112	109	90
	3-3W	2.8	-	-	0.96	1.1	1.4	1.7	1.9	2.4	2.7	3.4	3.6	115	112	97
	3-5W	3.2	-	-	1.1	1.3	1.6	1.9	2.2	2.7	3.1	3.8	4.2	117	113	103
	5-5W	3.2	-	-	1.6	1.9	2.3	2.8	3.2	3.9	4.5	5.6	6.1	115	112	102
	5-10W	4.4	-	1.5	2.1	2.5	3.0	3.6	4.1	5.1	6.0	7.2	8.0	119	119	109
	8-8W	3.9	-	1.8	2.6	3.1	3.6	4.4	5.2	6.3	7.4	9.0	9.5	116	110	98
	8-10W	4.4	-	2.1	2.9	3.4	4.1	5.1	6.0	7.1	8.2	9.9	10.7	118	113	101
	10-10W	4.4	-	2.3	3.2	3.8	4.5	5.5	6.3	7.9	9.3	11.0	11.8	118	111	100
1/2	5-3W	2.8	0.67	0.75	1.0	1.2	1.5	1.8	2.0	2.5	2.9	3.5	3.8	118	113	100
	5-5W	3.2	1.0	1.1	1.6	1.9	2.3	2.8	3.2	3.9	4.5	5.6	6.1	121	116	102
	8-8W	3.9	1.6	1.8	2.6	3.1	3.6	4.4	5.2	6.3	7.4	9.0	9.5	119	113	103
	10-15W	5.6	2.5	2.8	3.9	4.6	5.6	6.7	7.8	9.5	11.1	13.4	14.5	120	112	102
	15-15W	5.6	3.0	3.4	5.0	5.7	6.7	8.3	9.7	11.9	14.1	16.7	18.3	117	111	104
3/4	8-25W	7.5	2.6	2.9	4.2	5.0	6.0	7.5	8.6	10.3	11.9	14.6	15.6	124	120	111
	10-10W	4.4	2.0	2.2	3.2	3.8	4.5	5.5	6.3	7.9	9.3	11.0	11.8	118	111	100
	10-30W	7.9	3.7	4.1	6.2	7.2	8.6	10.3	11.9	14.6	16.8	21	23	124	117	108
	15-15W	5.6	3.0	3.4	5.0	5.7	6.7	8.3	9.7	11.9	13.8	16.7	18.3	117	112	102
	15-25W	7.5	4.1	4.6	6.2	7.3	8.9	10.7	12.6	15.4	17.9	22	23	119	114	106
	20-25W	7.5	4.8	5.4	8.1	9.5	11.5	13.8	16.0	19.7	23	28	30	118	112	105
	20-30W	7.9	5.2	5.8	8.5	9.9	11.9	14.6	16.8	21	24	29	31	118	112	105
	25-25W	7.5	5.2	5.8	8.1	9.5	11.5	13.8	16.0	19.7	23	28	30	117	110	103
	25-30W	7.9	5.6	6.3	8.9	10.7	12.7	15.8	18.2	22	26	31	34	117	110	103

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AAT TYPE DIRECT INJECTION WIDE ANGLE TYPE

Removable Reflective Cap

·Spray Angle : 120° /150° /180°
·Spray Pattern : Hollow cone- shaped spray pattern with a ring-shaped impact area.
·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS
·Features : Interchangeable spray caps within each inlet connection size group for maximum versatility.

Applications: Water aerating. Degreasing. Dust control. Metal treating. Gas cooling & srcubbing. Washing & cooling

Order Info:

AAT – 3/4 – SS – 4 – 120

Nozzle Type | Inlet Conn | Material Code | Capacity Size | Spray Angle

Inlet Conn (in.)	Capacity Size	Flow Rate Capacity(L/min)						
		0.4bar	0.7bar	1.5bar	3bar	4bar	6bar	7bar
1/8	0.37	1.1	1.4	2.1	3.0	3.4	4.2	4.5
	0.5	1.4	1.9	2.8	4.0	4.6	5.6	6.0
	0.75	2.2	2.9	4.2	5.9	6.8	8.4	9.0
1/4	1	2.9	3.8	5.6	7.9	9.1	11.2	12.1
	1.5	4.3	5.7	8.3	11.8	13.7	16.8	18.1
	2	5.8	7.7	11.2	15.8	18.2	22	24
	2.5	7.2	9.5	13.9	19.7	23	28	30
3/8	3	8.8	11.6	17.0	24	27	34	36
	3.5	10.4	13.7	20	28	32	39	42
	4	11.9	15.7	23	32	36	45	48
	4.5	12.9	17.1	25	36	41	50	54
	5	14.4	19.1	28	39	46	56	60

CANNON NOZZLE (ADJUSTABLE FOG CANNON NOZZLE)

Order Info:

A – 1/4 – SS – 1.0K

Nozzle Type | Inlet Conn | Material Code | Orifice

Orifice dia. mm	Flow rate(L/min)								
	2bar	3bar	4bar	5bar	6bar	7bar	10bar	20bar	35bar
1	0.22	0.26	0.31	0.34	0.37	0.40	0.48	0.68	0.90
1.1	0.29	0.33	0.37	0.41	0.43	0.47	0.53	0.7	0.95
1.2	0.32	0.39	0.46	0.51	0.56	0.6	0.72	1.0	1.3
1.5	0.39	0.48	0.55	0.61	0.67	0.72	0.86	1.3	1.7

·Spray Angle : 15°-65°
·Spray Pattern : Hollow cone spray, spray area into a ring.
·Orifice: 1.0mm/1.1 mm/1.2mm/1.5mm
.Thread Size: 1/4" male or female, bspt / npt
.Covering dia.: Approx. 0.5-2 meters
·Material : SS
·Features : Injection Angle can be adjusted, through the fan injection distance of 30-100 meters.

Applications: Dust pollution control, disinfection, fire emergency, dust removal, dust suppression, humidifying, cooling

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ALFANOZZLE

OIL BURNER NOZZLE

·Spray Angle : 50°-90°
·Spray Pattern : shaped spray pattern with round impact area.
·Orifice: 0.8mm/1.0mm/1.2mm/1.5mm/1.8mm
·Material : SS
·Features : Stainless steel nozzle core and flow guide groove are built in, forming a centrifugal vortex in the flow guide groove.

Applications: ·Cooling ·Dust control ·Artificial fog ·Atomized fuel oil ·Cleaning & disinfection ·Garden landscape construction

Order Info:

AAZ – **1/4** – **SS** – **3#**
AAZ: Nozzle Type; 1/4: Inlet Conn; SS: Material Code; 3#: Orifice

At the stated pressure in bar.

Inlet Conn	Orifice	Atomized Particle	Mesh Number	Flow Rate Capacity (L/min)								Spray Angle (°)	
In	mm	um	mesh	1.5bar	2bar	3bar	5bar	7bar	10bar	15bar	20bar	25bar	3bar	10bar
1/4	0.3	50	120	-	-	0.05	0.06	0.07	0.08	0.10	0.12	0.14	30	45
	0.4	60	120	-	-	0.06	0.08	0.09	0.11	0.13	0.15	0.16	30	45
	0.5	70	100	-	-	0.08	0.10	0.12	0.14	0.17	0.20	0.22	45	60
	0.6	70	100	-	0.10	0.13	0.16	0.20	0.25	0.30	0.35	0.40	50	70
	0.7	80	100	0.14	0.16	0.20	0.26	0.30	0.35	0.43	0.49	0.55	50	70
	0.8	80	100	0.22	0.25	0.30	0.38	0.45	0.53	0.66	0.74	0.82	60	70
	0.9	90	50	0.29	0.33	0.40	0.50	0.60	0.71	0.86	0.99	1.10	60	70
	1.0	110	50	0.36	0.41	0.50	0.64	0.75	0.89	1.08	1.23	1.37	60	80
	1.1	120	50	0.43	0.49	0.60	0.77	0.90	1.06	1.29	1.48	1.65	60	80
	1.2	130	50	0.58	0.66	0.80	1.02	1.20	1.42	1.72	1.97	2.20	60	80
	1.3	140	50	0.72	0.82	1.00	1.28	1.50	1.77	2.15	2.47	2.74	60	80
	1.4	140	50	0.86	0.99	1.20	1.53	1.80	2.13	2.58	2.96	3.29	80	80
	1.5	150	50	1.01	1.15	1.40	1.79	2.10	2.48	3.01	3.46	3.84	80	80
	1.6	180	50	1.15	1.32	1.60	2.04	2.40	2.84	3.44	3.95	4.39	80	80
	1.7	210	50	1.29	1.48	1.80	2.20	2.69	3.19	3.87	4.44	4.94	80	80
	1.8	230	50	1.45	1.70	2.08	2.40	3.02	3.65	4.25	4.98	5.50	80	80

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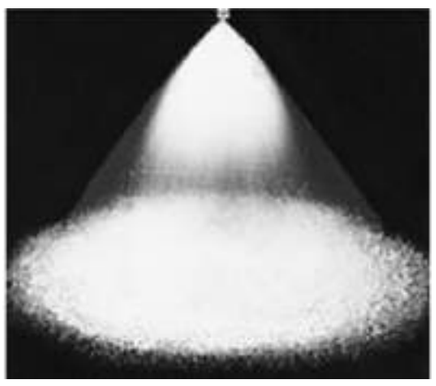
ALFANOZZLE

BB SERIES STANDARD TYPE



BB Thread Type

·Spray Angle : 42°-120°
·Spray Pattern : Solid cone- shaped spray pattern with round impact area.
·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS/PP/PVC/PTFE
·Features : Unique vane design with large flow passages provides superior control and uniform distribution.

Applications: Water aerating. Fire prevention. Dust control. Metal Treating. Gas cooling & scrubbing

·Standard Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
			0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
1/8	1	0.79	-	0.44	0.54	0.62	0.74	0.85	0.94	1.0	1.1	1.3	-	58	53
	1.5	1.2	0.49	0.69	0.81	0.93	1.1	1.3	1.4	1.5	1.7	1.9	65	65	59
	2	1.2	0.65	0.92	1.1	1.2	1.5	1.7	1.9	2.0	2.2	2.6	43	50	46
	3	1.5	0.98	1.4	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52	65	59
	3.5	1.6	1.1	1.6	1.9	2.2	2.6	3.0	3.3	3.6	3.9	4.5	43	50	46
	3.9	2.0	1.3	1.8	2.1	2.4	2.9	3.3	3.7	4.0	4.3	5.1	77	84	79
	5	2.0	1.6	2.3	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52	65	59
	6.1	2.3	2.0	2.8	3.3	3.8	4.5	5.2	5.7	6.2	6.7	7.9	69	74	68
1/4	6.5	2.4	2.1	3.0	3.5	4.0	4.8	5.5	6.1	6.7	7.1	8.4	45	50	46
	10	3.2	3.3	4.7	5.4	6.2	7.4	8.5	9.4	10.2	11.0	13.0	58	67	61
	12.5	3.2	4.1	5.8	6.8	7.7	9.3	10.6	11.8	12.8	13.7	16.2	69	74	68
3/8	9.5	2.6	3.1	4.7	5.1	5.9	7.1	8.1	8.9	9.7	10.4	12.3	45	50	46
	15	3.6	4.9	6.9	8.1	9.3	11.2	12.7	14.1	15.4	16.5	19.4	64	67	61
	20	4.0	6.5	9.2	10.8	12.4	14.9	17.0	18.8	20	22	26	76	80	73
	22	4.5	7.2	10.2	11.9	13.6	16.4	18.7	21	23	24	28	87	90	82
1/2	16	3.5	5.2	7.4	8.7	9.9	11.9	13.6	15.1	16.4	17.6	21	48	50	46
	25	4.6	8.2	11.6	13.5	15.4	18.6	21	24	26	27	32	64	67	61
	32	5.2	10.4	14.7	17.3	19.8	24	27	30	33	35	41	72	75	68
	40	6.2	13.1	18.5	22	25	30	34	38	41	44	52	88	91	83
	50	6.7	16.3	23.1	27	31	37	42	47	51	55	65	91	94	86
3/4	2.5	4.9	9.6	12.7	15.9	18.2	22	25	28.5	30	32	38	48	50	46
	4.0	6.4	15.4	20	26	29	35	40	45	48	52	61	67	70	63
	7.0	9.5	27	35	45	51	61	70	78	84	91	107	89	92	84
1	4.2	6.0	16.2	21	27	31	37	42	48	51	54	64	48	50	46
	7.0	8.3	27	35	45	51	61	70	79	84	91	107	67	68	62
	8.0	9.5	31	40	51	58	70	80	90	97	104	122	72	81	82
	10	11.9	38	51	65	73	88	100	113	121	130	153	78	90	94
	12	11.9	46	60	77	87	105	120	135	145	155	183	89	92	84

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ALFANOZZLE

BB SERIES WIDE ANGLE TYPE

· Wide Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
			0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
1/8	2.8W	1.6	-	1.2	1.5	1.7	2.0	2.3	2.5	2.7	2.9	3.5	116	120	102
	4.3W	2.0	-	1.9	2.3	2.6	3.1	3.5	3.9	4.2	4.5	5.4	116	120	102
	5.6W	2.4	1.8	2.5	3.1	3.4	4.0	4.6	5.1	5.5	5.9	7.1	116	120	102
	8W	2.4	2.6	3.6	4.4	4.8	5.8	6.6	7.2	7.8	8.4	10.1	116	120	103
1/4	10W	2.8	3.3	4.5	5.5	6.0	7.2	8.2	9.1	9.8	10.6	12.7	116	120	103
	12W	3.2	3.9	5.3	6.5	7.3	8.7	9.8	10.9	11.8	12.7	15.2	117	120	103
	14W	3.6	4.6	6.2	7.6	8.5	10.1	11.5	12.7	13.7	14.8	17.7	117	120	103
3/8	17W	4.0	5.6	7.6	9.3	10.3	12.3	13.9	15.4	16.7	18.0	21.6	117	120	103
	20W	4.4	6.6	8.9	10.9	12.1	14.5	16.5	18.1	19.6	21.2	25.3	117	120	104
	24W	4.8	7.9	10.7	13.1	14.5	17.3	19.7	22	24	25.9	31.0	117	120	104
	27W	5.2	8.9	12.0	14.7	16.3	19.5	22	24	26	28.1	33.6	117	120	106
1/2	30W	5.6	9.9	13.4	16.4	18.1	22	25	27	29	31.3	37.4	117	120	108
	35W	6.0	11.5	15.6	19.1	21	25	29	32	34	36.7	43.9	117	120	108
	40W	6.4	13.1	17.8	21.8	24	29	33	36	39	42.1	50.3	117	120	108
	45W	6.4	14.8	20	24.5	27	33	37	41	44	47.5	56.8	117	120	110
	50W	6.7	16.4	22	26.9	30	36	41	45	49	52.9	63.3	117	120	112
3/4	6W	9.9	23	31	37	42	51	58	63	69	74	89	115	120	112
1	11W	13.1	42	57	69	78	93	106	115	126	136	162	117	120	117
1-1/4	16W	15.5	62	83	100	113	135	154	168	184	199	238	118	121	119
1-1/2	24W	18.3	92	125	150	170	203	230	251	275	297	355	119	124	119
2	47W	25	181	245	293	333	398	451	492	539	582	695	120	124	119

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B SERIES - TYPE 15° / 30°

·Spray Angle : 15°/30°
·Spray Pattern : Flat spray pattern distributes the liquid as a flat - or sheet-type spray. ·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure. ·Material : BRASS/SS
·Features : Except BH type, all models are designed with removable cap, which is convenient for maintenance and cleaning; the internal design of blades and large flow channels ensures and controls the uniform distribution of spray.

Applications: Water aerating. Fire prevention. Metal Treating. Air and gas washers.

BG-15

Removable Cap Type (internal thread)

BBG-15

Removable Cap Type (External Thread)

BH-15

Integral Casting Type (Inside)

BG-30

Removable Cap Type (Inside)

BBG-30

Removable Cap type (Outer)

BH-30

Integral Casting Type (Inside)

· Type 15°

At the stated pressure in bar.

Inlet Conn. (in.)	Nozzle Type			Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
	BG-15	BBG-15	BH-15			0.7bar	1.5bar	2bar	3bar	4bar	6bar	7bar	10bar	15bar	20bar	0.7bar	3bar	7bar
1/8	●	●		07	1.6	1.3	2.0	2.3	2.8	3.2	3.9	4.2	5.0	6.2	7.1	13	15	15
1/8	●	●		14	2.4	2.7	3.9	4.5	5.5	6.4	7.8	8.4	10.1	12.4	14.3	13	15	15
1/4	●	●		30	3.2	5.7	8.4	9.7	11.8	13.7	16.8	18.1	22	26	31	13	15	15
3/8	●	●		50	4.4	9.5	14.0	16.1	19.7	23	28	30	36	44	51	13	15	15
1/2	●	●		90	5.6	17.2	25	29	36	41	50	54	65	79	92	13	15	15
3/4			●	150	7.5	29	42	48	59	68	84	90	108	132	153	13	15	15
1			●	280	9.9	53	78	90	111	128	156	169	202	247	285	13	15	15

· Type 30°

At the stated pressure in bar.

Inlet Conn. (in.)	Nozzle Type			Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
	BG-30	BBG-30	BBH-30			1bar	1.5bar	2bar	3bar	4bar	6bar	7bar	10bar	15bar	20bar	1bar	3bar	7bar
1/8	●	●		1.4	0.79	0.32	0.39	0.45	0.55	0.64	0.78	0.84	1.0	1.2	1.4	17	30	31
	●	●		2.5	0.79	0.57	0.70	0.81	0.99	1.1	1.4	1.5	1.8	2.2	2.5	17	30	32
	●	●		04	1.2	0.91	1.1	1.3	1.6	1.8	2.2	2.4	2.9	3.5	4.1	26	30	32
	●	●		07	1.6	1.6	2.0	2.3	2.8	3.2	3.9	4.2	5.0	6.2	7.1	23	30	30
1/4	●	●		09	2.0	2.1	2.5	2.9	3.6	4.1	5.0	5.4	6.5	7.9	9.2	23	30	30
3/8	●	●		14	2.1	3.2	3.9	4.5	5.5	6.4	7.8	8.4	10.1	12.4	14.3	25	30	30
1/2	●	●		30	3.2	6.8	8.4	9.7	11.8	13.7	16.8	18.1	22	26	31	26	30	31
3/4			●	50	4.4	11.4	14.0	16.1	19.7	23	28	30	36	44	51	26	30	31
1			●	70	5.2	16.0	19.5	23	28	32	39	42	50	62	71	27	30	30
			●	100	6.4	23	28	32	39	46	56	60	72	88	102	27	30	30

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SOLID CONE NOZZLE

·Spray Pattern : The jet is a single water column with high impact force.
·Drops : Small- to Medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material :303 SS / 316 SS / BRASS
·Features : Concentrated water flow, high impact, suitable for small cavity cleaning.

Applications: ·High pressure cleaning ·Engineering vehicle cleaning ·Automobile chassis cleaning

At the stated pressure in bar.

Capacity Size	Inlet Conn(in.)				Orifice (mm)	Flow Rate Capacity(L/min)										
	1/8	1/4	3/8	1/2		0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	20bar	35bar
003	●	●			1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4
004	●	●			1.2	0.5	0.91	1.3	1.6	1.8	2	2.2	2.4	2.9	4.1	5.4
005	●	●			1.3	0.62	1.1	1.6	2	2.3	2.5	2.8	3	3.6	5.1	6.7
006	●	●			1.5	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1
008	●	●			1.7	1	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8
010	●	●			1.9	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6	7.2	10.2	13.5
015	●	●			2.3	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9	10.8	15.3	20
020	●	●	●		2.7	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27
030	●	●	●		3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40
040	●	●	●		4	5	9.1	12.9	15.8	18.2	20	22	24	29	41	54
050		●	●		4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68
060		●	●		4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81
070		●	●		5.2	8.7	16	23	28	32	36	39	42	50	71	94
080		●	●		5.2	10	18.2	26	32	36	41	45	48	58	82	108
100			●	●	6	12.5	23	32	39	46	51	56	60	72	102	135
120			●	●	6.4	15	27	39	47	55	61	67	72	86	122	162
150			●	●	7.5	18.7	34	48	59	68	76	84	90	108	153	205
200			●	●	8.3	25	46	64	79	91	102	112	121	144	205	270
250			●	●	9.5	31	57	81	99	114	127	140	151	180	255	340

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STANDARD CC SERIES

External Thread Type CC

·Spray Angle : 0°(Liquid column flow)-110°
·Spray Pattern : Flat spray pattern distributes the liquid as a flat - or sheet-type spray.
·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS/PP/PVC/PTFE
·Features :Large,unobstructed flow passages minimize clogging.
High impact solid stream provides highest impact per unit area. Specially tapered spray pattern is ideal for use in manifold.

Applications: ··Fire prevention ·Dust control
·Spray cooling ·Metal treating
·Air purification ·Cooling and hardening ·Gas cooling & srcubbing

Jet Angle (3 bar)	Capacity Size	Nozzle Type/Inlet Conn.(in.)												Orifice (mm)	Flow Rate Capacity (L/min)											Spray Angle (°)			
		H-VV		H-VVL		H-U					U				0.3 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar	20 bar	35 bar	1.5 bar	3 bar	6 bar	14 bar
		1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	3/4	1	1-1/4	2																
25°	2501	●	●	●	●									0.66			0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	14°	25°	34°	42°
	2502	●	●	●	●									0.91		0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	15°	25°	33°	40°
	2503	●	●	●	●									1.1		0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	15°	25°	33°	40°
	2504	●	●	●	●									1.3		0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	16°	25°	32°	39°
	2505	●	●	●	●									1.4		1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	16°	25°	32°	39°
	2506	●	●	●	●									1.6		1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	17°	25°	31°	38°
	2508	●	●	●	●									1.8		1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	17°	25°	31°	38°
	2510					●	●							2.0		2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	18°	25°	31°	37°
	2515					●	●	●						2.4		3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	18°	25°	31°	37°
	2520					●	●	●						2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	19°	25°	31°	37°
	2530					●	●	●						3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	20°	25°	30°	36°
	2540						●	●						4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	21°	25°	29°	35°
	2550						●	●						4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	21°	25°	29°	35°
	2560						●	●						4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	22°	25°	29°	35°
	2570						●	●						5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	22°	25°	29°	35°
	25100							●	●					6.4	12.5	23	32	39	46	51	56	60	72	102	135	23°	25°	28°	32°
	25150							●	●					7.5	18.7	34	48	59	68	76	84	90	108	153	205	24°	25°	28°	30°
	25200								●					8.7	25	46	64	79	91	102	112	121	144	205	270	24°	25°	26°	29°
	25500										●	●		13.1	62	114	161	197	230	255	280	300	360	510	680	24°	25°	26°	29°
	25750											●		15.9	94	171	240	295	340	385	420	455	540	770	1010	24°	25°	26°	28°
	251000											●		18.7	125	230	325	395	455	510	560	610	720	1020	1350	24°	25°	26°	28°
15°	1501	●	●	●	●									0.66			0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3		15°	24°	28°
	1502	●		●										0.91			0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	6°	15°	22°	27°
	1503	●	●	●	●									1.1			0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	6°	15°	22°	27°
	1504	●	●	●	●									1.3			1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	7°	15°	21°	26°
	1505	●	●	●	●									1.4			1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	7°	15°	21°	26°
	1506	●	●	●	●									1.6		1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	8°	15°	21°	26°
	1508	●	●	●	●									1.8		1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	108	9°	15°	20°	25°
	1510					●	●							2.0		2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	10°	15°	19°	24°
	1515					●	●	●						2.4		3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	10°	15°	19°	24°
	1520					●	●	●						2.8		4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	10°	15°	19°	23°
	1530					●	●	●						3.6		6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	10°	15°	19°	21°
	1540					●	●	●						4.0		9.1	12.9	15.8	18.2	20	22	24	29	41	54	10°	15°	18°	21°
	1550						●	●	●					4.4		11.4	16.1	79.7	23	25	28	30	36	51	68	11°	15°	18°	21°
0°	0003					●	●							1.0	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0				
	0004					●	●							1.2	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4				
	0005					●	●							1.3	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7				
	0006					●	●							1.5	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1				
	0008					●	●							1.7	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8				
	0010					●	●							1.9	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5				
	0015					●	●							2.3	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20				
	0020					●	●	●						2.7	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27				
	0030					●	●							3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40				
	0040					●	●							4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54				
	0050						●							4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68				
	0060						●							4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81				
	0070						●	●						5.2	8.7	16.0	23	28	32	36	39	42	50	71	94				
	0080						●	●						5.2	10.0	18.2	26	32	36	41	45	48	58	82	108				
	00100							●						6.0	12.5	23	32	39	46	51	56	60	72	102	135				
	00120							●						6.4	15.0	27	39	47	55	61	67	72	86	122	162				
	00150								●					7.5	18.7	34	48	59	68	76	84	90	108	153	205				
	00200								●					8.3	25	46	64	79	91	102	112	121	144	205	270				
	00250							●						9.5	31	57	81	99	114	127	140	151	180	255	340				
	00350									●				11.1	44	80	113	138	160	178	195	210	255	360	475				
	00700									●				15.5	87	160	225	275	320	355	390	420	510	720	950				
	001000										●			19.1	125	230	325	395	460	510	560	610	720	1020	1350				
	001100										●			19.8	140	255	355	435	500	560	620	670	790	1120	1490				
	001400											●		22.2	175	320	455	560	640	720	780	850	1010	1430	1890				
	001800											●		25.4	225	410	580	710	820	920	1010	1090	1300	1840	2430				
	002000												●	26.6	250	460	650	790	910	1020	1120	1210	1440	2040	2700				
	003500												●	34.9	440	800	1130	1380	1600	1790	1960	2110	2520	3570	4720				

0°
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ALFANOZZLE

STANDARD CC SERIES

External Thread Type CC

·Spray Angle : 0°(Liquid column flow)-110°
·Spray Pattern : Flat spray pattern distributes the liquid as a flat - or sheet-type spray.
·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS/PP/PVC/PTFE
·Features :Large,unobstructed flow passages minimize clogging.
High impact solid stream provides highest impact per unit area. Specially tapered spray pattern is ideal for use in manifold.

Applications: ··Fire prevention ·Dust control
·Spray cooling ·Metal treating
·Air purification ·Cooling and hardening ·Gas cooling & srcubbing

At the stated pressure in bar.

Jet Angle (3 bar)	Capacity Size	Nozzle Type/Inlet Conn.(in.)												Orifice (mm)	Flow Rate Capacity (L/min)											Spray Angle (°)			
		H-VV		H-VVL		H-U					U				0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	20bar	35bar	1.5bar	3bar	6bar	14bar
		1/8	1/4	1/8	1/4	1/8	1/4	3/8	1/2	3/4	1	1-1/4	2															
50°	5001	●	●	●	●									0.66		0.23	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	37°	50°	59°	65°
	5002	●	●	●	●									0.91		0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	39°	50°	57°	63°
	5003	●	●	●	●									1.1	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	40°	50°	56°	62°
	5004	●	●	●	●									1.3	0.50	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	42°	50°	56°	61°
	5005	●	●	●	●									1.4	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	44°	50°	56°	61°
	5006	●	●	●	●									1.6	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	45°	50°	56°	60°
	5008	●	●	●	●									1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	45°	50°	55°	60°
	5010					●	●	●						2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	10.2	13.5	45°	50°	55°	59°
	5015						●	●	●					2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	45°	50°	55°	59°
	5020					●	●	●	●					2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	45°	50°	55°	59°
	5030					●	●	●	●					3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	45°	50°	55°	59°
	5040					●	●	●						4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	46°	50°	54°	59°
	5050					●	●	●						4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	46°	50°	54°	59°
	5060						●	●						4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	46°	50°	54°	59°
	5070						●	●	●					5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	46°	50°	54°	59°
	50100							●	●					6.4	12.5	23	32	39	46	51	56	60	72	102	135	44°	50°	52°	54°
	50120							●						6.7	15.0	27	39	47	55	61	67	72	86	122	162	44°	50°	53°	55°
	50150							●	●					7.5	18.7	34	48	59	68	76	84	90	108	153	205	45°	50°	52°	55°
	50200								●					8.7	25	46	64	79	91	102	112	121	144	205	270	46°	50°	52°	55°
	50400									●				12.7	50	91	129	158	182	205	225	240	290	410	540	46°	50°	52°	55°
	50500										●	●		13.1	62	114	161	197	230	255	280	300	360	510	680	49°	50°	51°	54°
	50580										●			13.9	72	132	187	230	265	295	325	350	420	600	780	49°	50°	51°	53°
	50750											●		15.9	94	171	240	295	340	385	420	455	540	770	1010	49°	50°	51°	53°
	501000											●		18.3	125	230	325	395	455	510	560	610	720	1020	1350	49°	50°	51°	53°
	501500												●	22.6	187	340	485	600	690	770	840	910	1080	1530	2020	49°	50°	51°	52°
	502000												●	26.2	250	460	650	790	910	1020	1120	1210	1440	2040	2700	49°	50°	51°	52°
40°	4001	●	●	●	●									0.66			0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.0	1.3	26°	40°	52°	59°
	40015	●	●	●	●									0.79			0.48	0.59	0.68	0.76	0.84	0.90	1.1	1.5	2.0	27°	40°	52°	59°
	4002	●	●	●	●									0.91		0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.0	2.7	29°	40°	51°	58°
	4003	●	●	●	●									1.1		0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2	3.1	4.0	30°	40°	50°	57°
	4004	●	●	●	●									1.3		0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9	4.1	5.4	30°	40°	50°	56°
	4005	●	●	●	●									1.4		1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6	5.1	6.7	31°	40°	49°	55°
	4006	●	●	●	●									1.6		1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3	6.1	8.1	31°	40°	49°	55°
	4008	●	●	●	●									1.8	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8	8.2	10.8	31°	40°	47°	53°
	4010					●	●	●						2.0	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2	102	13.5	32°	40°	45°	48°
	4015					●	●		●					2.4	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8	15.3	20	32°	40°	45°	48°
	4020					●	●	●	●					2.8	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	20	27	32°	40°	45°	48°
	4030					●	●	●						3.6	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22	31	40	33°	40°	45°	48°
	4040					●	●	●						4.0	5.0	9.1	12.9	15.8	18.2	20	22	24	29	41	54	34°	40°	45°	48°
	5050						●	●	●					4.4	6.2	11.4	16.1	19.7	23	25	28	30	36	51	68	35°	40°	45°	48°
	4060						●	●	●					4.8	7.5	13.7	19.3	24	27	31	33	36	43	61	81	35°	40°	45°	48°
	4070						●	●	●					5.2	8.7	16.0	23	28	32	36	39	42	50	71	94	35°	40°	45°	48°
	40100							●	●					6.4	12.5	23	32	39	46	51	56	60	72	102	135	34°	40°	43°	46°
	40150							●	●					7.5	18.7	34	48	59	68	76	84	90	108	153	205	35°	40°	43°	44°
	40200								●					8.7	25	46	64	79	91	102	112	121	144	205	270	36°	40°	42°	44°

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STANDARD CC SERIES

· Standard Angle

At the stated pressure in bar.

Spray Angle	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
			0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	35bar	0.5bar	1.5bar	6bar
65°	650033	0.28	-	-	0.09	0.11	0.13	0.15	0.17	0.18	0.2	0.24	0.45	-	47	76
	650050	0.46	-	-	0.14	0.16	0.2	0.23	0.26	0.28	0.3	0.36	0.67	-	48	75
	650067	0.53	-	-	0.19	0.22	0.26	0.31	0.33	0.37	0.4	0.47	0.9	-	50	75
	6501	0.66	-	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.3	51	65	74
	65015	0.79	-	0.34	0.42	0.48	0.59	0.68	0.76	0.84	0.90	1.1	2.0	51	65	74
	6502	0.91	0.32	0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.7	52	65	73
	65025	1.0	0.40	0.57	0.70	0.81	0.99	1.1	1.3	1.4	1.5	1.8	3.4	52	65	73
	6503	1.1	0.48	0.68	0.83	0.97	1.2	1.4	1.5	1.7	1.8	2.2	4.0	53	65	72
	6504	1.3	0.65	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	2.9	5.4	53	65	72
	6505	1.4	0.80	1.1	1.3	1.6	2.0	2.3	2.5	2.8	3.0	3.6	6.7	53	65	72
	6506	1.6	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	4.3	8.1	54	65	72
	6508	1.8	1.3	1.8	2.2	2.6	3.2	3.6	4.1	4.5	4.8	5.8	10.8	55	65	71
	6510	2.0	1.5	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	7.2	13.5	56	65	71
	6515	2.4	2.5	3.4	4.2	4.8	5.9	6.6	7.6	8.4	9.0	10.8	20	56	65	70
	6520	2.8	3.2	4.6	5.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	27	57	65	70
	6530	3.6	4.8	6.8	8.3	9.7	11.8	13.7	15.3	16.7	18.1	22	40	58	65	69
	6540	4.0	6.5	9.1	11.1	12.9	15.8	18.2	20	22	24	29	54	59	65	68
	6550	4.4	8.0	11.4	14.0	16.1	19.7	23	25	28	30	36	68	60	65	68
	6560	4.8	9.7	13.7	16.8	19.3	24	27	31	33	36	43	81	60	65	68
	6570	5.2	11.2	16.0	19.6	23	28	32	36	39	42	50	94	60	65	68
	65100	6.4	16.1	23	28.2	32	39	46	51	56	60	72	135	58	65	69

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STANDARD CC SERIES

· Wide Angle

At the stated pressure in bar.

Spray Angle	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)											Spray Angle (°)		
			0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	35bar	0.5bar	1.5bar	6bar
110°	11001	0.66	0.15	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.3	94	110	121
	110015	0.79	0.25	0.34	0.42	0.48	0.59	0.68	0.76	0.84	0.90	1.1	2.0	97	110	121
	11002	0.91	0.32	0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.7	98	110	120
	11003	1.1	0.48	0.68	0.83	0.97	1.2	1.4	1.5	1.7	1.8	2.2	4.0	99	110	120
	11004	1.3	0.65	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	2.9	5.4	100	110	119
	11005	1.4	0.80	1.1	1.3	1.6	2.0	2.3	2.5	2.8	3.0	3.6	6.7	100	110	118
	11006	1.6	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	4.3	8.1	101	110	117
	11008	1.8	1.3	1.8	2.2	2.6	3.2	3.6	4.1	4.5	4.8	5.8	10.8	102	110	117
	11010	2.0	1.5	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	7.2	13.5	103	110	117
	11015	2.4	2.5	3.4	4.2	4.8	5.9	6.8	7.6	8.4	9.0	10.8	20	104	110	117
	11020	2.8	3.2	4.6	5.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	27	105	110	117
95°	9501	0.66	0.15	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.3	81	95	105
	95015	0.79	0.25	0.34	0.42	0.48	0.59	0.68	0.76	0.84	0.90	1.1	2.0	82	95	105
	9502	0.91	0.32	0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.7	82	95	105
	9503	1.1	0.48	0.68	0.83	0.97	1.2	1.1	1.5	1.7	1.8	2.2	4.0	83	95	104
	9504	1.3	0.65	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	2.9	5.4	84	95	103
	9505	1.4	0.80	1.1	1.3	1.6	2.0	2.3	2.5	2.8	3.0	3.6	6.7	84	95	102
	9506	1.6	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	4.3	8.1	86	95	101
	9508	1.8	1.3	1.8	2.2	2.6	3.2	3.6	4.1	4.5	4.8	5.8	10.8	87	95	100
	9510	2.0	1.5	2.3	2.8	3.2	3.9	4.6	5.1	4.6	6.0	7.2	13.5	89	95	100
	9515	2.4	2.5	3.4	4.2	4.8	5.9	6.8	7.6	8.4	9.0	10.8	20	90	95	100
	9520	2.8	3.2	4.6	5.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	27	90	95	100
	9530	3.6	4.8	6.8	8.3	9.7	11.8	13.7	15.3	16.7	18.1	22	40	91	95	101
	9540	4.0	6.5	9.1	11.1	12.9	15.8	18.2	20	22	24	29	54	92	95	100
	9550	4.4	8.0	11.4	14.0	16.1	19.7	23	25	28	30	36	68	93	95	99
	9560	4.8	9.7	13.7	16.8	19.3	24	27	31	33	36	43	81	93	95	99
	9570	5.2	11.2	16.0	19.6	23	28	32	36	39	42	50	94	93	95	99
	95100	6.4	16.1	23	28.2	32	39	46	51	56	60	72	135	93	95	99
80°	8001	0.66	-	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.60	0.72	1.3	68	80	89
	80015	0.79	-	0.34	0.42	0.48	0.59	0.68	0.76	0.84	0.90	1.1	2.0	68	80	89
	8002	0.91	0.32	0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2	1.4	2.7	69	80	88
	8003	1.1	0.48	0.68	0.83	0.97	1.2	1.1	1.5	1.7	1.8	2.2	4.0	70	80	87
	8004	1.3	0.65	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	2.9	5.4	71	80	86
	8005	1.4	0.80	1.1	1.3	1.6	2.0	2.3	2.5	2.8	3.0	3.6	6.7	71	80	86
	8006	1.6	0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	4.3	8.1	72	80	85
	8008	1.8	1.3	1.8	2.2	2.6	3.2	3.6	4.1	4.5	4.8	5.8	10.8	72	80	84
	8010	2.0	1.5	2.3	2.8	3.2	3.9	4.6	5.1	4.6	6.0	7.2	13.5	73	80	84
	8015	2.4	2.5	3.4	4.2	4.8	5.9	6.8	7.6	8.4	9.0	10.8	20	74	80	83
	8020	2.8	3.2	4.6	5.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4	27	74	80	83
	8030	3.6	4.8	6.8	8.3	9.7	11.8	13.7	15.3	16.7	18.1	22	40	74	80	83
	8040	4.0	6.5	9.1	11.1	12.9	15.8	18.2	20	22	24	29	54	74	80	83
	8050	4.4	8.0	11.4	14.0	16.1	19.7	23	25	28	30	36	68	74	80	83
	8060	4.8	9.7	13.7	16.8	19.3	24	27	31	33	36	43	81	75	80	83
	8070	5.2	11.2	16.0	19.6	23	28	32	36	39	42	50	94	75	80	83
	80100	6.4	16.1	23	28.2	32	39	46	51	56	60	72	135	75	80	83

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ALFANOZZLE

HIGH PRESSURE TYPE / MEG SERIES

Integrated

Integrated
with Filter

Integrated
Tungsten Core

Tungsten Steel
Core

·Spray Angle : Injection radians of 5° to 65° at working pressures from 20 to 275 bar (kg).
·Spray Pattern : Fan spray, spray area in line.
·Drops: Small-to medium-size, uniform distribution over a wide range of flow rates and pressure.
·Material : SS
·Features : The liquid column flow pattern provides the maximum impact force per unit area;
The built-in guide blade stabilizes the turbulent flow to achieve uniform spray distribution.

Nozzle Type & Spray Angle																				Capacity Size	Flow Rate Capacity (L/min)										
TPC-WGX							1/4MEG							1/4MEG-WGX																	
40°	50°	65°	80°	95°	110°	130°	0°	5°	15°	25°	40°	50°	65°	0°	5°	15°	25°	40°	50°	65°		20bar	25bar	35bar	40bar	45bar	60bar	80bar	100bar	140bar	170bar	200bar
									●					●		●			●		010	1.0	1.1	1.3	1.4	1.5	1.8	2.0	2.3	2.7	3.0	3.2
									●												015	1.5	1.7	2.0	2.2	2.3	2.6	3.1	3.4	4.0	4.5	4.8
●	●	●	●	●		●	●	●	●	●	●		●	●		●		●	●	●	020	2.0	2.3	2.7	2.9	3.1	3.5	4.1	4.6	5.4	5.9	6.4
													●								025	2.5	2.8	3.4	3.6	3.8	4.4	5.1	5.7	6.7	7.4	8.1
●		●	●	●	●		●	●	●	●	●	●	●	●		●			●	●	030	3.1	3.4	4.0	4.3	4.6	5.3	6.1	6.8	8.1	8.9	9.7
							●		●	●	●										035	3.6	4.0	4.7	5.0	5.4	6.2	7.1	8.0	9.4	10.4	11.3
●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	040	4.1	4.6	5.4	5.8	6.1	7.1	8.2	9.1	10.8	11.9	12.9
●		●	●	●		●	●	●	●	●	●		●			●	●				045	4.6	5.1	6.1	6.5	6.9	7.9	9.2	10.3	12.1	13.4	14.5
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		050	5.1	5.7	6.7	7.2	7.6	8.8	10.2	11.4	13.5	14.9	16.1
●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●				055	5.6	6.3	7.4	7.9	8.4	9.7	11.2	12.5	14.8	16.3	17.7
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●			060	6.1	6.8	8.1	8.6	9.2	10.6	12.2	13.7	16.2	17.8	19.3
●		●	●	●			●		●	●	●		●								065	6.6	7.4	8.8	9.4	9.9	11.5	13.3	14.8	17.2	19.3	21
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		070	7.1	8.0	9.4	10.1	10.7	12.4	14.3	16.0	18.9	21	23
●		●	●	●			●		●	●	●										075	7.6	8.5	10.1	10.8	11.5	13.2	15.3	17.1	20	22	24
●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	080	8.2	9.1	10.8	11.5	12.2	14.1	16.3	18.2	22	24	26
●		●	●	●			●		●	●	●										085	8.7	9.7	11.5	12.3	13.0	15.0	17.3	19.4	23	25	27
●		●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	090	9.2	10.3	12.1	13.0	13.8	15.9	18.3	21	24	27	29
		●	●				●			●											095	9.7	10.8	12.8	13.7	14.5	16.8	19.4	22	26	28	31
●		●	●	●	●	●	●		●	●	●	●	●	●		●	●				100	10.2	11.4	13.5	14.4	15.3	17.7	20	23	27	30	32
●			●				●		●	●	●										110	11.2	12.5	14.8	15.9	16.8	19.4	22	25	30	33	35
●		●	●																		115	11.7	13.1	15.5	14.6	17.6	20	23	26	31	34	37
●				●		●	●	●	●	●	●	●			●						120	12.2	13.7	16.2	17.3	18.3	21	24	27	32	36	39
●						●		●	●	●											125	12.7	14.2	16.9	18.0	19.1	22	25	28	34	37	40

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ALFANOZZLE

V SERIES - NARROW ANGLE TYPE

Integrated

·Spray Angle : 15°-50°
·Spray Pattern : Fan spray, spray area in line.
·Drops : Small- to medium-size,uniform distribution over a wide range
of flow rates and pressure.
·Material : BRASS/SS/PP/PVC/PTFE
·Features : The unobstructed liquid column flow channel reduces the blockage as much as possible;
Integrated flow surface design, high impact flat fan spray shape, clear edge, uniform distribution.

Applications: Degreasing. Fire prevention. Air purification. Cooling & quenching. Metal treating. Cleaning gravel. Cleaning & cooling.

Jet Angle at 3bar pressure	Inlet Conn(in.)					Capacity Size	Orifice (mm)	Flow Rate Capacity(L/min)								Spray Angle(°)			Size			
	1/8	1/4	3/8	1/2	3/4			1bar	1.5bar	2bar	3bar	4bar	6bar	7bar	10bar	1bar	3bar	7bar	A length (mm)	B Deflection Angle (°)	C Bar size (mmsq.)	Net weight (kg)
50°		●				05	1.3	1.1	1.4	1.6	2.0	2.3	2.8	3.0	3.6	33	50	60	31	60	15.9	0.03
		●				10	1.9	2.3	2.8	3.2	3.9	4.6	5.6	6.0	7.2	34	50	60	31	60	15.9	0.03
		●	●			25	3.0	5.7	7.0	8.1	9.9	11.4	14.0	15.1	18.0	42	50	59	41.5	42	19.1	0.09
		●	●			40	3.8	9.1	11.2	12.9	15.8	18.2	22	24	29	39	50	60	47	45	19.1	0.09
			●			60	4.6	13.7	16.8	19.3	24	27	34	36	43	42	50	53	55	37	25.4	0.14
			●			100	5.9	23	28	32	39	46	56	60	72	43	50	55	72	40	31.8	0.33
			●			125	6.6	28	35	40	49	57	70	75	90	38	50	59	72	38	31.8	0.31
			●			160	7.5	36	45	52	63	73	89	96	115	44	50	55	72	37	31.8	0.31
			●			200	8.4	46	56	64	79	91	112	121	144	46	50	53	72	32	31.8	0.31
40°			●			40	3.8	9.1	11.2	12.9	15.8	18.2	22	24	29	31	40	50	60.5	35	22.2	0.14
			●			50	4.2	11.4	14.0	16.1	19.7	23	28	30	36	31	40	49	63.5	33	25.4	0.20
			●			60	4.6	13.7	16.8	19.3	24	27	34	36	43	32	40	49	72	33	25.4	0.23
			●			70	5.0	16.0	19.5	23	28	32	39	42	50	32	40	49	75.5	29	25.4	0.26
			●			80	5.3	18.2	22	26	32	36	45	48	58	32	40	48	77	26	25.4	0.26
			●			90	5.6	21	25	29	36	41	50	54	65	34	40	44	77	28	25.4	0.23
			●			100	5.9	23	28	32	39	46	56	60	72	35	40	44	86.5	28	25.4	0.26
35°	●					04	1.2	0.91	1.1	1.3	1.6	1.8	2.2	2.4	2.9	20	35	41	23	40	11.1	0.01
		●				10	1.9	2.3	2.8	3.2	3.9	4.6	5.6	6.0	7.2	18	35	39	36.5	36	15.9	0.06
		●	●			20	2.7	4.6	5.6	6.4	7.9	9.1	11.2	12.1	14.4	24	35	40	42	30	19.1	0.06
			●			25	3.0	5.7	7.0	8.1	9.9	11.4	14.0	15.1	18.0	24	35	39	49	28	19.1	0.09
			●			30	3.3	6.8	8.4	9.7	11.8	13.7	16.8	18.1	22	26	35	41	52.5	28	19.1	0.09
			●			40	3.8	9.1	11.2	12.9	15.8	18.2	22	24	29	28	35	38	58	26	22.2	0.11
			●			50	4.2	11.4	14.0	16.1	19.7	23	28	30	36	31	35	38	63.5	23	22.2	0.14
				●		60	4.6	13.7	16.8	19.3	24	27	34	36	43	29	35	39	73	27	25.4	0.23
				●		80	5.3	18.2	22	26	32	36	45	48	58	26	35	40	81	24	25.4	0.26
				●		100	5.9	23	28	32	39	46	56	60	72	26	35	40	89	19	25.4	0.26
					●	160	7.5	36	45	52	63	73	89	96	115	26	35	40	114	23	31.8	0.57
					●	200	8.4	46	56	64	79	91	112	121	144	25	35	40	122	22	31.8	0.57
25°		●				40	3.8	9.1	11.2	12.9	15.8	18.2	22	24	29	15	25	34	65	25	19.1	0.11
15°		●				10	1.9	-	2.8	3.2	3.9	4.6	5.6	6.0	7.2	-	15	23	47.5	22	15.9	0.06
		●				20	2.7	-	5.6	6.4	7.9	9.1	11.2	12.1	14.4	-	15	19	54	19	15.9	0.06
			●			30	3.3	6.8	8.4	9.7	11.8	13.7	16.8	18.1	22	6	15	24	72	25	19.1	0.11
			●			40	3.8	9.1	11.2	12.9	15.8	18.2	22	24	29	8	15	21	92	18	22.2	0.23
			●			50	4.2	11.4	14.0	16.1	19.7	23	28	30	36	9	15	20	90.5	15	22.2	0.17
				●		60	4.6	13.7	16.8	19.3	24	27	34	36	43	10	15	19	125	14	25.4	0.34
				●		80	5.3	18.2	22	26	32	36	45	48	58	11	15	18	130	14	25.4	0.34
				●		100	5.9	23	28	32	39	46	56	60	72	11	15	18	137	14	25.4	0.40
					●	200	8.4	46	56	64	79	91	112	121	144	12	15	18	191	14	31.8	0.91

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W SERIES - WIDE ANGLE TYPE

·Spray Angle : 73°-138°
·Spray Pattern : Flat spray pattern distributes the liquid as a flat or sheet type spray.
·Drops: Small-tomedium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS/PP/PVC/PTFE
·Features : Large, unobstructed flow passages minimize clogging. Solid one piece design with deflector plane. Very high impact flat spray pattern, sharply defined edges and uniform spray distribution.

Applications: Fire prevention, degreasing, air and gas washers, quenching during heat treat process, metal treating, crushed stone gravel washing

At the stated pressure in bar.

Inlet Conn(in.)						Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)									Spray Angle (°)		
1/8	1/4	3/8	1/2	3/4	1''			0.2bar	0.4bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	0.5bar	1.5bar	4bar
●						0.25	0.43	-	-	-	-	0.11	0.14	0.16	0.20	0.23	-	83	117
●						0.50	0.58	-	-	-	-	0.23	0.28	0.32	0.39	0.46	-	89	122
●						0.72	0.74	-	-	-	0.29	0.34	0.42	0.48	0.59	0.68	-	106	125
●						1	0.84	-	-	-	0.38	0.46	0.56	0.64	0.79	0.91	-	103	128
●						1.5	1.0	-	-	0.48	0.57	0.68	0.84	0.97	1.2	1.4	73	103	125
●	●					2	1.2	-	-	0.64	0.76	0.91	1.1	1.3	1.6	1.8	83	113	129
●	●					2.5	1.3	-	0.72	0.81	0.95	1.1	1.4	1.6	2.0	2.3	98	122	133
●	●					3	1.4	-	0.86	0.97	1.1	1.4	1.7	1.9	2.4	2.7	86	112	126
●						4	1.7	-	1.2	1.3	1.5	1.8	2.2	2.6	3.2	3.6	97	123	132
●	●					5	1.9	1.0	1.4	1.6	1.9	2.3	2.8	3.2	3.9	4.6	114	128	142
●	●					7.5	2.3	1.5	2.2	2.4	2.9	3.4	4.2	4.8	5.9	6.8	101	119	134
●	●					10	2.7	2.0	2.9	3.2	3.8	4.6	5.6	6.4	7.9	9.1	115	133	145
●	●					12	2.9	2.4	3.5	3.9	4.6	5.5	6.7	7.7	9.5	10.9	128	139	153
●	●					15	3.3	3.1	4.3	4.8	5.7	6.8	8.4	9.7	11.8	13.7	98	113	123
●	●					18	3.6	3.7	5.2	5.8	6.9	8.2	10.1	11.6	14.2	16.4	106	120	131
●	●					20	3.8	4.1	5.8	6.4	7.6	9.1	11.2	12.9	15.8	18.2	110	122	133
	●					22	3.9	4.5	6.3	7.1	8.4	10.0	12.3	14.2	17.4	20	113	125	136
	●					24	4.1	4.9	6.9	7.7	9.2	10.9	13.4	15.5	19.0	22	115	131	144
	●					27	4.4	5.5	7.8	8.7	10.3	12.3	15.1	17.4	21	25	119	135	148
		●				30	4.6	6.1	8.6	9.7	11.4	13.7	16.8	19.3	24	27	100	110	121
		●				35	5.0	7.1	10.1	11.3	13.3	16.0	19.5	23	28	32	105	118	128
		●	●			40	5.3	8.2	11.5	12.9	15.3	18.2	22	26	32	36	111	126	136
		●				45	5.6	9.2	13.0	14.5	17.2	21	25	29	36	41	115	130	140
			●			50	5.9	10.2	14.4	16.1	19.1	23	28	32	39	46	117	131	140
			●			60	6.5	12.2	17.3	19.3	23	27	34	39	47	55	120	134	142
			●			70	7.0	14.3	20	23	27	32	39	45	55	64	123	137	146
			●			80	7.5	16.3	23	26	31	36	45	52	63	73	127	138	149
				●		90	8.1	18.3	26	29	34	41	50	58	71	82	120	133	140
				●		100	8.5	20	29	32	38	46	56	64	79	91	123	136	145
				●		110	8.9	22	32	35	42	50	61	71	87	100	125	138	148
				●		120	9.3	24	35	39	46	55	57	77	95	109	129	143	150
				●		140	10.0	29	40	45	53	64	78	90	111	128	118	127	135
				●		160	10.7	33	46	52	61	73	89	103	126	146	121	130	137
				●		180	11.4	37	52	58	69	82	101	116	142	164	124	133	139
				●		210	12.3	43	61	58	80	96	117	135	166	191	128	139	145
					●	300	14.8	61	86	97	114	137	168	193	237	274	110	128	135
					●	450	18.0	92	130	145	172	205	251	290	355	410	118	132	138

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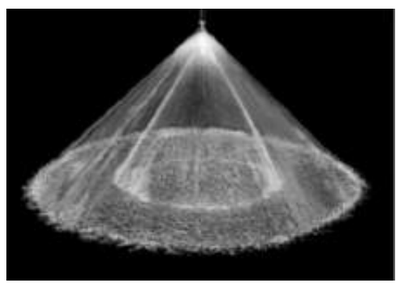
ALFANOZZLE

S SERIES

SJ-SS **SJ-PTFE** **SJ-PP** **SJ-SS** **SJF-BRASS** **SJ-180**

Stainless Steel Teflon Plastic Flanged,Stainless Steel Flanged, Brass 180° Stainless Steel



·Spray Angle : 60°-180°
·Spray Pattern : Solid (hollow) conical spray, spray area into a circle (ring).
·Drops: Small-to medium size, uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS/PP/PVC/PTFE/SIS
·Features : The interior is designed for large flow channels to minimize liquid blockage.
The spiral nozzle produces a solid (hollow) conical spray with relatively coarse droplets.

Applications: Water aerating. Fire prevention. Spray cooling. Dust cooling. Metal treating. Gas cooling & scrubbing.

At the stated pressure in bar.

Inlet Conn (in.)	Spray Angle(0.7bar)					Capacity Size	Orifice (mm)	Flow Rate Capacity(L/min)				
	60°	90°	120°	150°	180°			0.7bar	1.5bar	3bar	7bar	25bar
1/4	●	●	●			07	2.4	2.6	3.9	5.5	8.4	16
	●	●	●	●	●	13	3.2	4.9	7.3	10.3	15.7	30
	●	●	●	●	●	20	4.0	7.6	11.2	15.8	24	46
3/8	●					07	2.4	2.6	3.9	5.5	8.4	16
	●					13	3.2	4.9	7.3	10.3	15.7	30
	●					20	4.0	7.6	11.2	15.8	24	46
	●	●	●	●	●	30	4.8	11.4	16.7	24	36	68
	●	●	●	●	●	40	5.6	15.1	22	32	48	91
	●	●	●	●	●	53	6.4	20	30	42	64	121
	●	●	●	●	●	82	7.9	31	46	65	99	187
1/2	●	●	●	●	●	120	9.5	45	67	95	145	270
	●	●	●	●	●	164	11.1	62	92	129	198	370
3/4	●	●	●	●	●	210	12.7	80	117	166	255	480
1	●	●	●	●	●	340	15.9	130	190	270	410	775
	●	●	●	●	●	470	19.1	179	260	370	565	1070
1-1/2	●	●	●	●	●	640	22.2	245	355	505	770	1460
	●	●	●	●	●	820	25.4	310	455	645	990	1870
	●	●	●	●	●	960	28.6	365	535	755	1160	2190
2	●	●	●	●	●	1400	34.9	535	780	1105	1690	3190
	●	●	●	●	●	1780	38.1	680	995	1405	2150	4060
3	●	●	●			2560	44.5	980	1430	2020	3090	5830
	●	●	●			3360	50.8	1280	1880	2650	4050	7660
4	●	●	●			5250	63.5	2000	2930	4140	6330	11960

** For higher pressure, brass and transition 316 stainless steel nozzles are used

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ALFANOZZLE

L SERIES

L

Removable cap(M)

LL

Removable cap(F)

LD

Detachable Wall install(M)

LLD

Detachable Wall install(F)

LLM

Removable cap with fillter

·Spray Angle : 60°-180°
·Spray Pattern : Solid (hollow) conical spray, spray area into a circle (ring).
·Drops: Very small, forming a mist spray effect. Wide range of pressure and flow.
·Material : BRASS/SS
·Features : Most models are equipped with built-in filters.
Wall-mounted (LD/LLD) fine atomizer nozzles can be used on exterior walls, containers or pipes.
Without compressed air, only hydraulic pressure can be used to form a very fine conical atomizing spray.

Applications: Water aerating. Fire prevention. Spray cooling. Dust cooling. Metal treating. Gas cooling & scrubbing.

·Standard Angle

At the stated pressure in bar.

Inlet Conn (in.)	Nozzle Type					Capacity Size	Orifice (mm)	Core number	Flow Rate Capacity (L/min)									Spray Angle (°)		
	L	LL	LD	LLD	LLM				2bar	3bar	4bar	7bar	15bar	20bar	35bar	45bar	80bar	3bar	6bar	20bar
1/4	●	●	●	●	●	1	0.51	210	-	3.9	4.6	6.0	8.8	10.2	13.5	15.3	20	45	62	72
	●	●	●	●	●	1.5	0.51	216	4.8	5.9	6.8	9.0	13.2	15.3	20	23	31	65	70	72
	●	●	●	●	●	2	0.71	216	6.4	7.9	9.1	12.1	17.7	20	27	31	41	70	75	77
	●	●	●	●	●	3	0.71	220	9.7	11.8	13.7	18.1	26	31	40	46	61	65	70	73
	●	●	●	●	●	4	1.1	220	12.9	15.8	18.2	24	35	41	54	61	82	72	81	84
	●	●	●	●	●	6	1.1	225	19.3	24	27	36	53	61	81	92	122	73	79	81
	●	●	●	●	●	8	1.5	225	26	32	36	48	71	82	108	122	163	85	89	91
	●	●	●	●	●	10	1.6	420	32	39	46	60	88	102	135	204	204	82	84	86
	●	●	●	●	●	12	1.9	420	39	47	55	72	106	122	162	183	245	78	82	85
	●	●	●	●	●	14	1.9	421	45	55	64	84	124	143	189	214	285	85	88	90
						16	2.2	421	52	63	73	96	141	163	216	245	326	83	86	88
	●	●	●	●	●	18	1.9	422	58	71	82	109	159	183	243	275	367	81	84	86
	●				●	20	2.1	422	64	79	91	121	177	204	270	306	408	75	78	80
	●	●	●	●	●	22	1.9	625	71	87	100	133	194	224	297	336	449	70	72	75
	●	●	●	●	●	26	2.2	625	84	103	119	157	230	265	361	398	530	73	74	77

·Wide Angle

At the stated pressure in bar.

Inlet Conn (in.)	Nozzle Type		Capacity Size	Orifice (mm)	Core number	Flow Rate Capacity(L/min)				Spray Angle(°)	
	L	LL				1.5bar	2bar	3bar	6bar	3bar	6bar
1/4	●	●	2W	0.99	210	5.6	6.4	7.9	11.2	-	165
	●	●	3W	0.99	216	8.4	9.7	11.8	16.8	-	157
	●	●	4W	1.5	220	11.2	12.9	15.8	22	156	155
	●	●	8W	1.5	225	22	26	32	45	152	153

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ALFANOZZLE

P SERIES

PJ TYPE

Integrated Type

·Spray Angle : 90°
·Spray Pattern : Hollow conical spray, spray area into a ring.
·Drops: Fine insize and evenly distributed.
·Material : BRASS/SS
·Features : High energy efficiency, integrated construction, no vortex and parts construction;
Direct pressure nozzle, pressure impact needle target to produce atomization effect;
In some conditions, it can replace the air atomizing nozzle and reduce the cost.

Applications: Water cooling. Spray cooling. Dust control. Product degreasing. Chemical treatment. Metal treating. Gas cooling & scrubbing.

· PJ Type

At the stated pressure in bar.

Inlet Conn (in.)	Capacity Size	Flow Rate Capacity (L/min)								Orifice (mm)	Coverage Area Diameter (mm)	Rated Spray Altitude (mm)
		2bar	3bar	5bar	10bar	20bar	30bar	50bar	70bar			
1/8	1#	-	-	0.031	0.043	0.061	0.075	0.097	0.114	0.152	203	103
	2#	-	-	0.058	0.082	0.116	0.142	0.183	0.217	0.203	254	127
	3#	-	0.067	0.087	0.123	0.173	0.212	0.274	0.324	0.2554	254	127
	4#	-	0.091	0.117	0.166	0.234	0.287	0.371	0.439	0.305	254	127
	5#	0.119	0.146	0.189	0.267	0.377	0.462	0.596	0.705	0.381	254	127

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ALFANOZZLE

FD SERIES

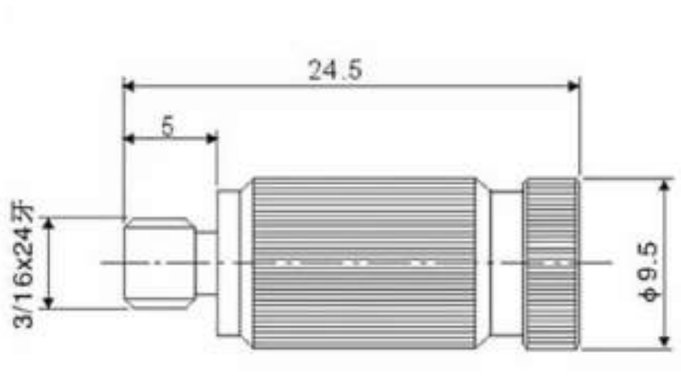
ANTI DRIP TYPE

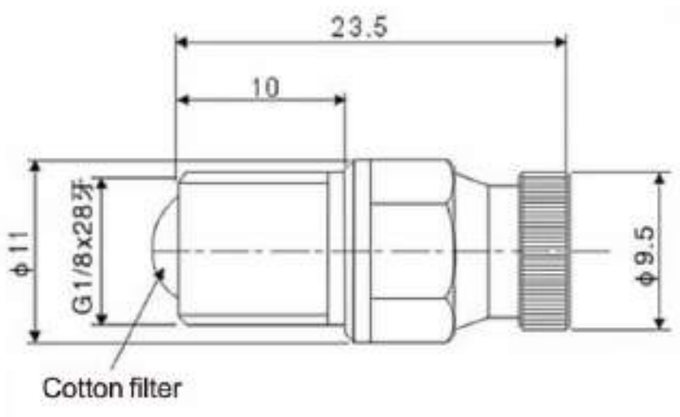
·Spray Angle : About 50°
·Spray Pattern : Hhollow conical spray, spray area into a ring.
·Drops: Very small (about50μm), forming a mist spray effect.
 Wide range of applicable pressures.
·Material : BRASS/SS
·Features : Fine, small size, relatively low cost;
It can be used normally under the water pressure of 20kg-70kg.
Brass body with stainless steel nozzle core, flow guide, and anti-drip device.

Applications: Artificial fog. Air humidification. Wetting and rust removal. Chemical spraying. Chemical treatment. Tablet coating. Sterilization and disinfection.

At the stated pressure in bar.

FD Nozzle		Flow Rate Capacity(L/min)								
Type	Aperture	3bar	4bar	7bar	10bar	15bar	18bar	35bar	50bar	70bar
FD1	0.1	0.003	0.0033	0.0044	0.0053	0.0065	0.0071	0.01	0.02	0.03
FD2	0.15	0.008	0.01	0.012	0.015	0.018	0.02	0.03	0.04	0.05
FD3	0.2	0.022	0.0258	0.034	0.04	0.05	0.06	0.07	0.08	0.09
FD4	0.3	0.032	0.038	0.05	0.06	0.07	0.08	0.09	0.1	0.11
FD5	0.4	0.07	0.09	0.12	0.15	0.18	0.2	0.22	0.25	0.28
FD6	0.5	0.08	0.1	0.13	0.16	0.19	0.21	0.23	0.26	0.3
FD7	0.6	0.09	0.12	0.14	0.17	0.2	0.23	0.27	0.32	0.38
Fd8	0.8	0.11	0.13	0.15	0.18	0.22	0.26	0.3	0.36	0.48





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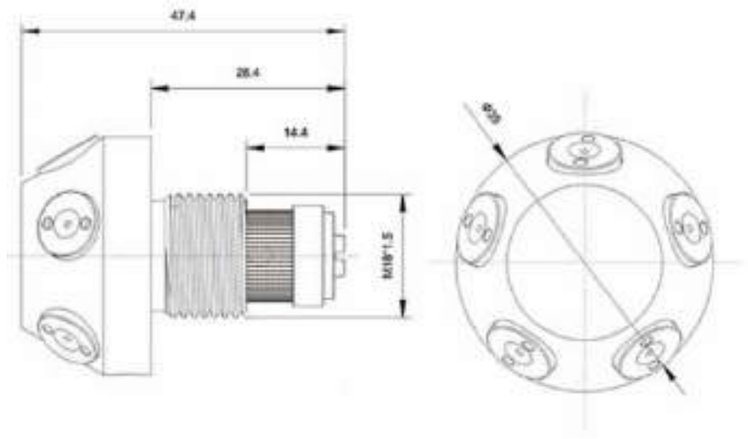
ALFANOZZLE

HIGH PRESSURE TYPE

FIRE NOZZLE



·Spray Angle : 60-120°
·Spray Pattern : Cone spray.
·Drops: Fine insize and evenly distributed.
·Material : BRASS/SS
·Features : Fixed, porous jet, covering a wide area;
Low water consumption, large surface area, can dissolve, adsorption part of the smoke and gas, clean the fire environment.

Applications: Dust control. Fire extinguishing. Smoke washing and cooling.

Nozzle Type	Flow Coefficient(K)	Working Pressure(Mpa)	Working Flow(L/min)
XSWT0.3/10	0.3	10.0-14.0	3.0-3.5
XSWT0.5/10	0.5	10.0-14.0	5.0-5.9
XSWT0.7/10	0.7	10.0-14.0	7.0-8.3
XSWT0.9/10	0.9	10.0-14.0	9.0-10.6
XSWT1.0/10	1.0	10.0-14.0	10.0-11.8
XSWT1.2/10	1.2	10.0-14.0	12.0-14.2
XSWT1.5/10	1.5	10.0-14.0	15.0-17.7
XSWT1.7/10	1.7	10.0-14.0	17.0-20.1
XSWT2.0/10	2.0	10.0-14.0	20.0-23.7
XSWT2.5/10	2.5	5.0-10.0	12.5-29.6
XSWT3.0/10	3.0	5.0-10.0	15.0-35.5
XSWT3.5/10	3.5	5.0-10.0	17.5-41.4
XSWT4.0/10	4.0	3.5-10.0	14.0-47.3
XSWT4.5/10	4.5	3.5-10.0	15.8-53.2
XSWT5.0/10	5.0	3.5-10.0	17.5-59.2
XSWT5.5/10	5.5	3.5-10.0	19.3-65.1

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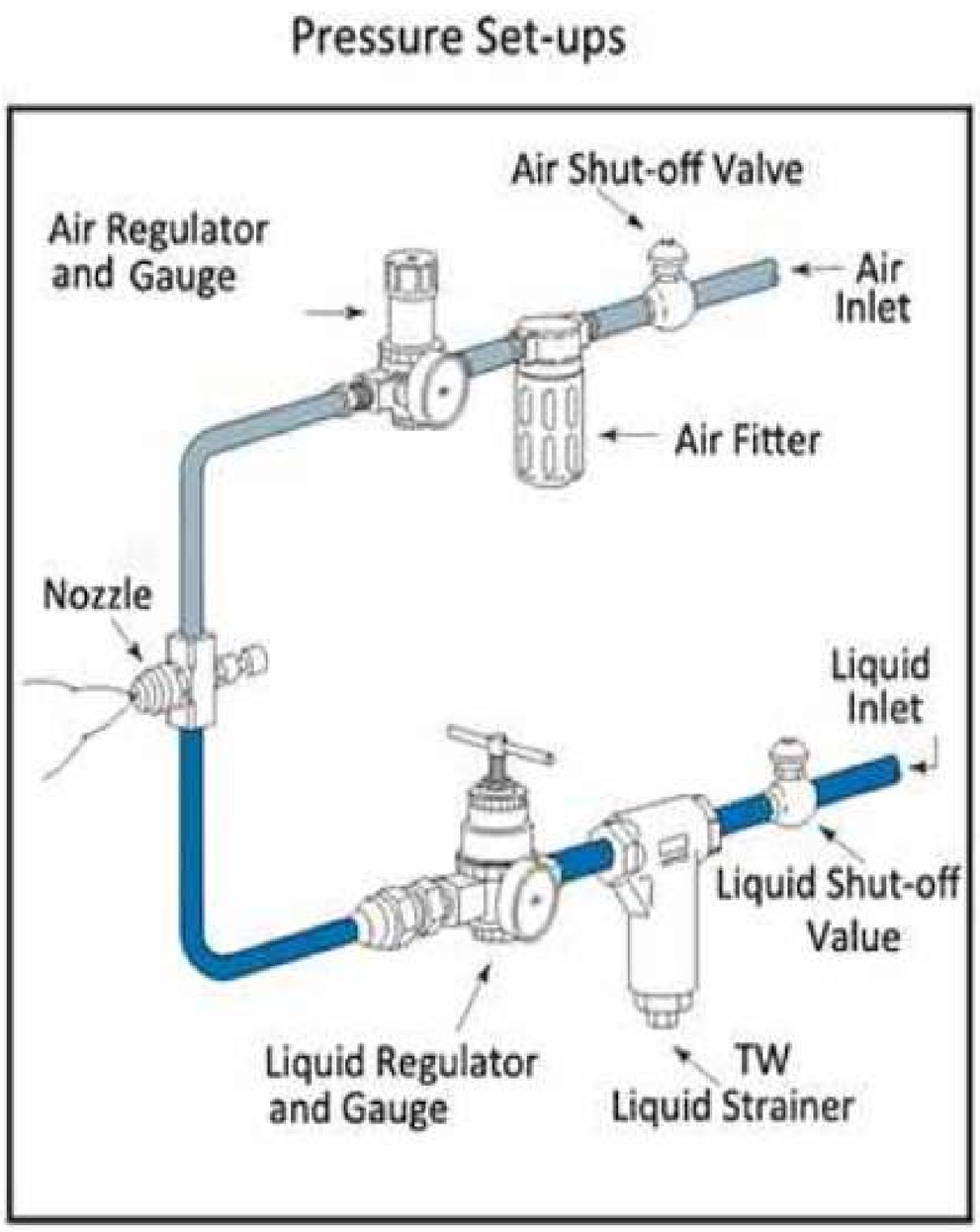
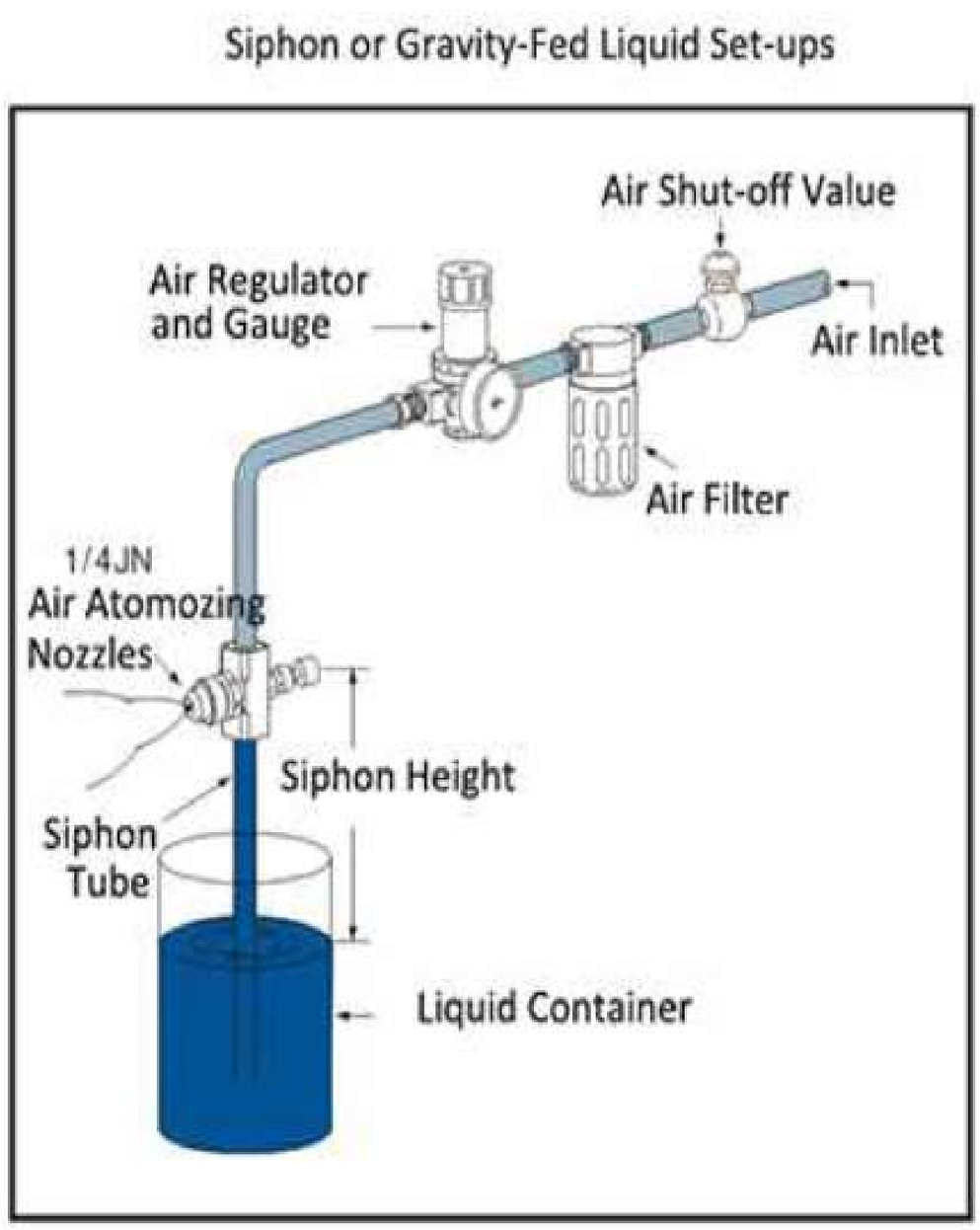
ALFANOZZLE

BASIC INFORMATION

SET-UPS





INTERNAL MIX

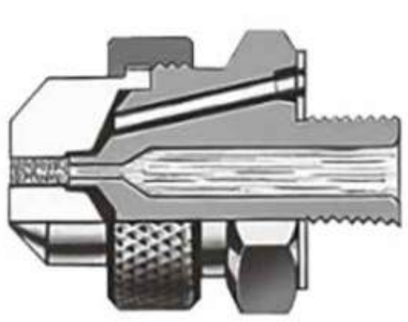
- **Liquid and air mix internally**
- **Fluid flow and air flow are not independent and a change in airflow will affect the liquid flow**
- **Pressure units are mixed internally to provide the following spray patterns:**

Round Spray (SUA Series)
Wide Angle Round Spray (SUB series)
Flat Spray (SUC Series)

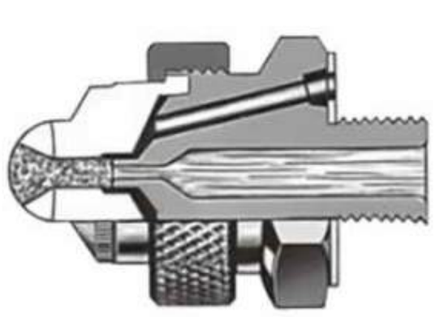
EXTERNAL MIX

- **Liquid and air streams are mixed outside of the nozzle**
- **Air and liquid flow can be controlled independently**
- **Effective for higher viscosity liquids and abrasive suspensions**
- **External mix can use pressure set-ups provide the following spray patterns:**

Round Spray (SUA-Z)
Flat Spray (SUC-Z)



Internal mix with pressure set-ups: round spray patterns



Internal mix with pressure set-ups: flat spray patterns

Enternal mix with pressure set-ups: round spray patterns

Enternal mix with pressure set-ups: flat spray patterns

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ALFANOZZLE

STANDARD AIR ATOMIZATION

STANDARD TYPE

·The Standard SU Series Nozzles Include An Air Cap Body Adjusting Needle (Adjustable Only) And Various Components.

DJ

1/8" & 1/4"NPT or BSPT

DJN

1/8" & 1/4"NPT or BSPT with Shut-off needle

NORMAL TYPE

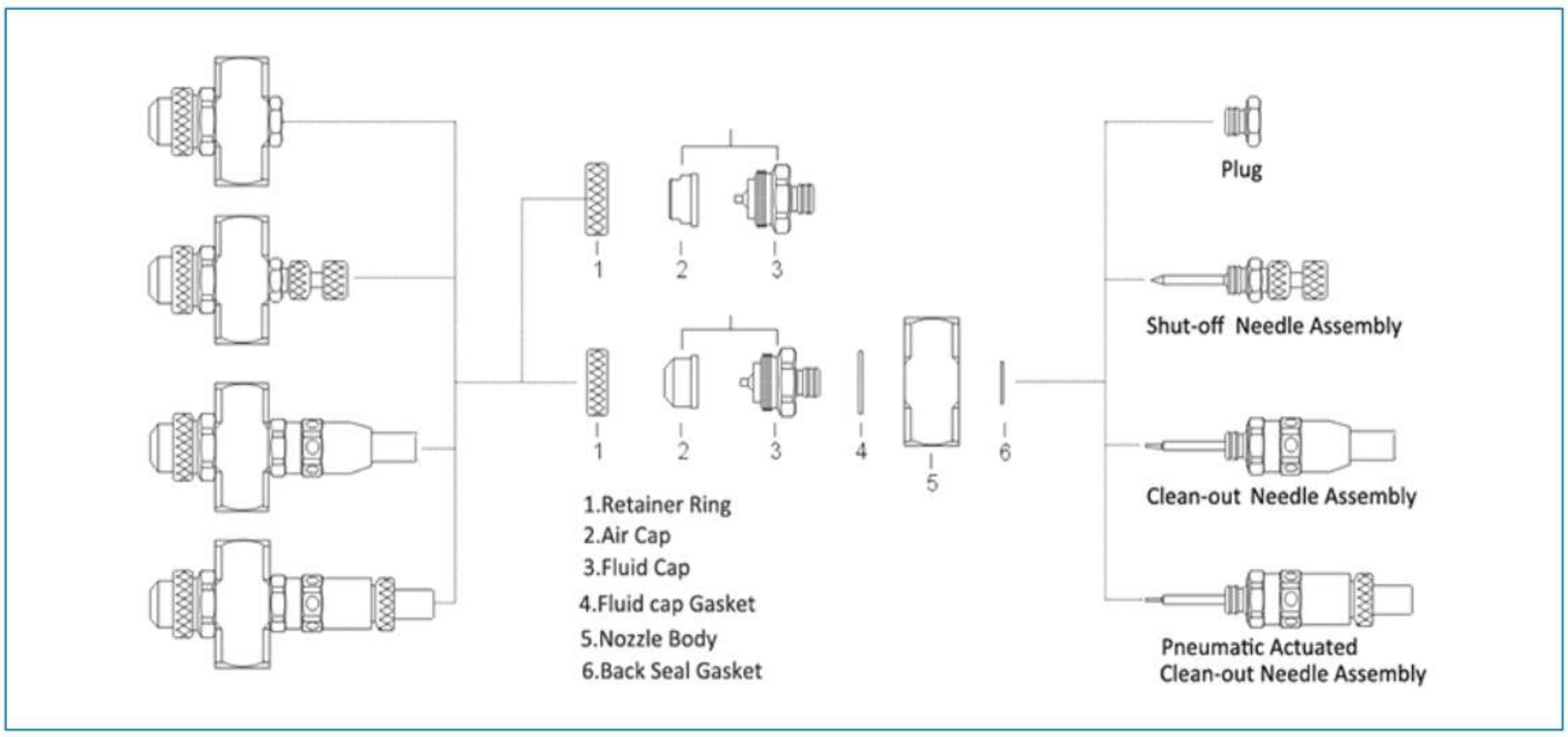
DCO

1/8" & 1/4"NPT or BSPT with clean needle

11005

1/8" & 1/4"NPT or BSPT with clean and Shut-off needle

INSTALLATION



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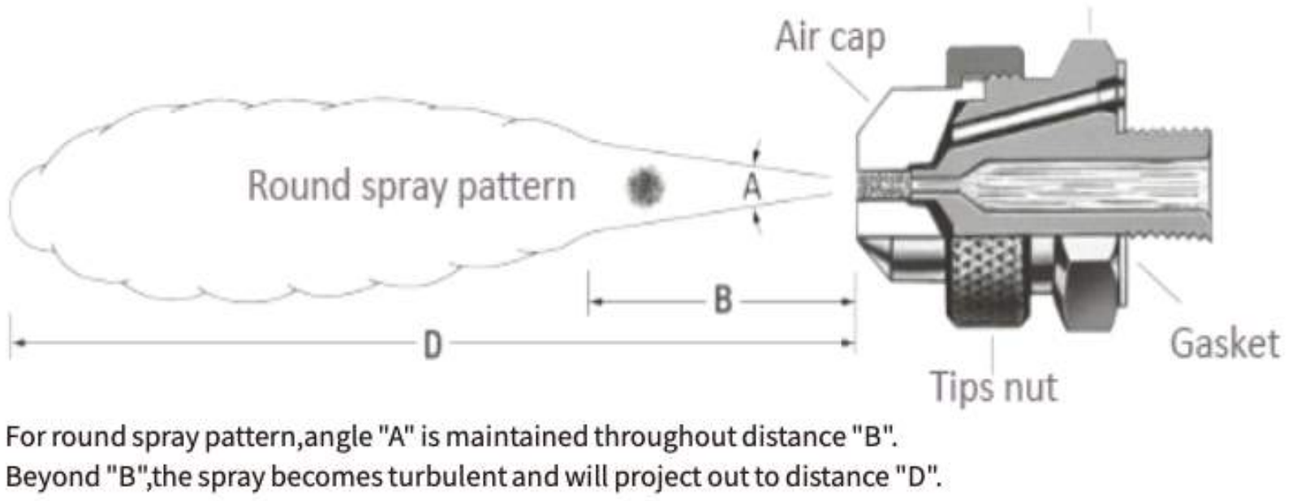
ALFANOZZLE

SU SERIES

ROUND SPRAY - INTERNAL MIX

Round spray air caps produce a narrow, full cone round spray pattern



For round spray pattern,angle "A" is maintained throughout distance "B".
Beyond "B",the spray becomes turbulent and will project out to distance "D".

·Spray Angle : 15°-30°
·Spray Pattern : Hollow cone- shaped spray pattern with irregularly round impact area. ·Drops : Small- to much small-size,uniform distribution .
·Features : The nozzle body has air inlet and liquid inlet at opposite ends.
Wide selection,includes adjustable nozzle,fixed nozzle and self-cleaning nozzle.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*													Spray Dimensions				
			Liquid Pressure																	
			0.7bar			1.5bar			2bar			3bar			4bar			Air *	Liquid *	Spray Angle A(°)	B (cm)	D (m)
			Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/mi	Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min	Air Press	L/h	Air L/min					
SU11	Fluid Cap 2050 + Air Cap 67147	0.5	0.7	2.5	15.6	1.1	6.4	11.9	1.4	6.4	13.9	2.7	6.2	23	3.5	7.8	28					
			0.9	1.8	19	1.4	5.0	15	1.7	5.5	16.7	2.8	5.7	25	3.7	7.3	29	0.9	0.7	13	30	2.7
			1.0	1.4	22	1.7	4.1	18.7	2.0	4.5	19.8	3.0	5.2	27	3.9	6.4	33	1.7	1.5	13	33	3.0
			—	—	—	1.8	3.4	20	2.2	3.4	24	3.1	4.7	29	4.2	5.5	38	2.5	2.0	13	36	3.4
			—	—	—	2.0	3.0	23	2.4	3.0	26	3.2	4.3	31	4.5	4.5	43	3.1	3.0	14	39	3.8
			—	—	—	2.1	2.6	25	2.5	2.5	28	3.4	3.9	33	4.6	4.1	45	4.5	4.0	15	44	4.4
			—	—	—	2.2	2.0	27	2.7	2.3	31	3.7	3.0	38	4.8	3.7	47					
SU12A	Fluid Cap 2050 + Air Cap 73160	0.5	0.7	2.5	18.7	1.4	5.7	27	1.7	6.7	29	2.2	9.2	34	2.8	11.9	39					
			0.9	2.0	22	1.5	5.2	29	1.8	6.4	31	2.5	8.2	39	3.1	11.0	43	0.9	0.7	12	43	3.7
			1.0	1.6	26	1.7	4.8	32	2.0	5.9	34	2.8	7.2	44	3.4	10.1	47	1.5	1.5	13	46	4.0
			—	—	—	1.8	4.3	35	2.1	5.2	37	3.0	6.7	47	3.7	9.2	52	2.4	2.0	13	48	4.3
			—	—	—	2.0	3.9	37	2.2	4.8	40	3.1	6.3	49	3.9	8.4	58	3.0	3.0	13	51	4.6
			—	—	—	2.1	3.4	40	2.4	4.3	43	3.2	5.9	52	4.2	7.6	62	3.9	4.0	15	56	5.2
			—	—	—	—	—	—	2.7	3.6	48	3.4	5.5	55	4.5	6.8	68					
SU12	Fluid Cap 2850 + Air Cap 67149	0.7	0.9	4.8	21	1.7	8.4	31	2.0	10.7	33	2.7	16.5	37	3.4	20	43					
			1.1	4.1	27	1.8	7.5	35	2.1	9.8	37	2.8	15.4	38	3.7	18.4	47	1.5	0.7	12	48	4.0
			1.4	3.4	33	2.0	7.0	37	2.4	8.2	42	3.1	13.6	43	3.9	16.8	50	2.5	1.5	13	51	4.3
			1.5	3.1	35	2.2	5.7	44	2.7	6.8	48	3.4	11.8	49	4.2	15.2	55	3.0	2.0	13	53	4.6
			1.7	3.0	39	2.5	4.8	49	3.0	5.9	55	3.7	10.4	55	4.5	13.8	60	3.4	3.0	14	56	4.9
			1.8	2.9	41	2.8	4.1	54	3.2	5.0	59	3.9	9.1	61	4.8	12.4	65	4.2	4.0	15	60	5.3
			2.0	2.8	44	3.1	3.6	59	3.5	4.1	65	4.2	7.9	65	4.9	11.8	68					
SU22B	Fluid Cap 40100 + Air Cap 1401110	1.0	1.1	13	76	2.2	17.8	116	2.8	20	136	3.4	32	149	4.6	37	193					
			1.4	8.9	91	2.5	13.1	130	3.1	16.3	149	3.9	25	170	5.3	29	220	1.7	0.7	18	66	4.9
			1.5	7.2	98	2.8	9.5	143	3.4	11.9	163	4.6	15.9	205	5.6	25	235	2.8	1.5	20	76	6.1
			1.7	5.8	105	3.1	7.0	157	3.9	7.0	187	5.3	9.1	240	6.0	21	250	3.9	2.0	20	81	6.7
			1.8	4.7	112	3.4	4.9	171	4.2	4.7	205	5.6	6.8	255	6.3	17.4	270	5.3	3.0	21	91	7.9
			2.0	3.6	119	3.5	4.2	178	4.6	3.0	220	6.0	5.0	275	6.7	14	290	6.0	4.0	21	97	9.1
			2.1	2.7	127	—	—	—	—	—	—	6.3	3.6	290	7.0	11	305					
SU22	Fluid Cap 60100 + Air Cap 1401110	1.5	0.9	31	57	1.4	61	69	2.1	53	96	2.7	80	103	3.8	88	135					
			1.0	25	66	1.5	54	76	2.4	41	112	3.0	69	117	4.2	73	156	1.0	0.7	17	61	4.9
			1.1	18.5	75	1.7	48	85	2.7	31	127	3.2	59	130	4.6	61	176	1.8	1.5	18	69	5.8
			1.3	12.9	85	1.8	41	93	2.8	26	136	3.5	49	146	4.9	48	196	2.8	2.0	20	76	6.7
			—	—	—	2.0	35	102	3.0	22	144	3.7	44	154	5.3	39	215	3.5	3.0	20	79	7.0
			—	—	—	2.1	30	110	—	—	—	3.8	37	161	5.6	31	240	4.9	4.0	21	91	8.5
			—	—	—	2.2	25	119	—	—	—	3.9	35	170	6.0	23	260					
SU42	Fluid Cap 100150 + Air Cap 1891125	2.5	1.0	44	86	1.4	125	79	2.0	123	108	2.2	199	88	3.0	250	99					
			1.1	32	102	1.5	106	91	2.1	108	119	2.5	174	110	3.2	225	120	1.0	0.7	19	89	6.1
			—	—	—	1.7	87	105	2.2	95	130	2.8	146	133	3.5	205	141	1.7	1.5	20	99	7.0
			—	—	—	1.8	70	118	2.4	79	143	3.1	121	154	3.8	182	163	2.4	2.0	21	104	7.6
			—	—	—	2.0	55	130	2.5	64	155	3.2	108	166	4.1	159	184	3.1	3.0	21	107	7.9
			—	—	—	—	—	—	2.7	52	166	3.4	95	176	4.6	121	225	3.8	4.0	22	117	9.1
			—	—	—	—	—	—	2.8	42	178	3.5	84	187	4.9	93	255					

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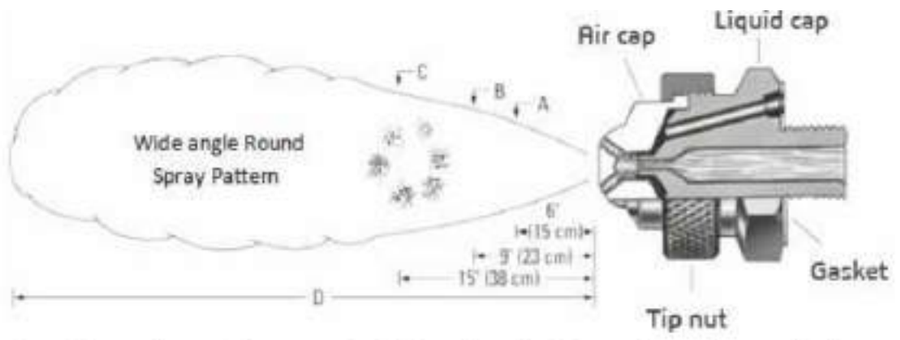
SU SERIES

WIDE ANGLE ROUND SPRAY - INTERNAL MIX

Wide angle round spray air caps produce wide angle round spray



For wide angle round spray,angle "A" is maintained throughout distance "B".

·Spray Angle : 70°

·Spray Pattern :Full/hollow cone- shaped spray pattern with irregularly ring-shaped/round impact area.

·Drops : Small- to much small-size,uniform distribution .

·Features : The nozzle body has air inlet and liquid inlet at opposite ends. Wide selection,includes adjustable nozzle,fixed nozzle and self-cleaning nozzle.

·Wide Angle Round Spray

At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*														Spray Dimensions					
			Liquid Pressure																			
			0.7bar			1.5bar			2bar			3bar			4bar								
			Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air*	Liquid*	A(cm)	B(cm)	C(cm)	D(m)
SU16	Fluid Cap 2050 + Air Cap 67-6-20-70°	0.5	0.6	5.3	10.2	1.1	8.1	13.3	1.5	8.1	16.4	2.4	8.9	22	3.1	10.5	24	0.70	0.70	14	18	23	1.5
			0.7	4.3	12.2	1.3	7	15	1.8	6.6	21	2.7	8.1	26	3.4	9.7	28	1.4	1.5	15	19	24	1.8
			0.85	3	14.2	1.4	6.4	17	2.1	4.9	25	3	6.4	30	3.9	7.8	36	1.8	2.0	16	20	25	2.1
			1	1.7	17	1.5	5.5	19	2.4	3.2	29	3.2	4.9	34	4.2	6.1	42	3.0	3.0	16	20	26	2.7
			-	-	-	1.7	4.5	22	-	-	-	3.4	4.2	37	4.6	4.4	47	3.9	4.0	19	23	30	40
			-	-	-	1.8	3.5	24	-	-	-	3.5	3.4	40	4.9	2.8	54						
SU26B	Fluid Cap 40100 + Air Cap 140-6-37-70°	1.0	0.85	7	50	1.7	13.2	68	2	18.5	68	2.8	25	84	3.7	31	96						
			1	2.1	62	1.8	9.8	79	2.1	15.1	76	3	22	92	3.8	28	105	0.85	0.70	18	24	31	1.8
			-	-	-	-	-	-	2.2	11.7	85	3.1	18.5	101	3.9	26	113	1.7	1.5	19	25	33	2.4
			-	-	-	-	-	-	-	-	-	3.2	15.1	109	4.1	23	122	2.1	2.0	19	25	33	3.2
			-	-	-	-	-	-	-	-	-	3.4	12.1	119	4.2	20	130	3.2	3.0	20	26	34	4.1
			-	-	-	-	-	-	-	-	-	3.5	9.1	130	4.6	13.6	153	4.1	4.0	21	28	37	5.9
			-	-	-	-	-	-	-	-	-	3.7	6.1	142	4.9	6.8	183						
SU26	Fluid Cap 60100 + Air Cap 140-6-37-70°	1.5	0.7	24	32	1.4	43	37	2.1	33	66	2.8	52	65	3.7	63	68						
			0.85	13.6	44	1.5	35	49	2.2	26	78	3	46	76	3.8	58	79	0.85	0.70	19	25	36	2.1
			1	7.6	57	1.7	28	61	2.4	18.9	89	3.1	39	87	3.9	52	101	1.5	1.5	20	27	37	3.2
			-	-	-	1.8	21	71	2.5	11.7	100	3.2	33	99	4.2	41	111	2.4	2.0	20	27	37	4.1
			-	-	-	-	-	-	-	-	-	3.4	26	110	4.6	27	138	3.2	3.0	20	28	38	5.0
			-	-	-	-	-	-	-	-	-	3.5	19.5	122	4.9	15.9	166	3.9	4.0	20	28	39	6.8
			-	-	-	-	-	-	-	-	-	3.7	13.2	133	-	-	-						
SU29	Fluid Cap 60100 + Air Cap 140-6-52-70°	1.5	1.3	36	85	2.1	57	116	3.1	53	156	4.2	64	197	5.6	74	245						
			1.5	29	102	2.4	51	130	3.2	50	163	4.9	51	230	6	66	260	2.0	0.70	20	25	33	5.5
			1.8	23	117	2.7	45	143	3.4	47	170	5.6	40	265	6.3	62	280	3.0	1.5	20	27	34	6.4
			2	19.7	125	3	39	157	3.5	45	177	6	34	285	6.7	56	295	3.9	2.0	22	28	37	8.2
			2.1	16.7	133	3.2	33	170	3.9	38	194	6.3	28	300	7	51	315	6.0	3.0	23	29	38	9.1
			2.3	14	142	3.5	28	185	4.6	25	230	6.7	22	320	-	-	-	6.3	4.0	24	32	41	10.4
			2.4	11.4	149	4.2	13.6	220	4.9	18.5	245	7	17.8	335	-	-	-						

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*														Spray Dimensions					
			Liquid Pressure																			
			0.7bar			1.5bar			2bar			3bar			4bar								
			Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air*	Liquid*	A(cm)	B(cm)	C(cm)	D(m)
SU30	Fluid Cap 40100 + Air Cap 120-6-35-70°	1.0	1.1	12.3	40	2.2	16.3	62	2.7	21	69	4.2	19.3	100	5.6	22	130						
			1.3	9.9	45	2.5	12.1	71	3	16.3	78	4.6	14.6	113	6	17.6	142	1.5	0.70	15	19	23	2.7
			1.4	7.9	50	2.8	8.9	79	3.2	12.3	86	4.9	10.8	124	6.3	14	152	3.0	1.5	16	20	24	4.6
			1.5	6.1	54	3	7.6	83	3.4	10.7	91	5.3	8.1	135	6.7	11.4	163	3.4	2.0	16	20	24	5.5
			1.7	4.9	58	3.1	6.4	87	3.5	9.3	94	5.6	6.2	146	7	9.1	174	5.3	3.0	18	22	25	7.3
			1.8	3.9	62	3.2	5.5	91	3.9	6.4	105	6	4.9	157	-	-	-	6.3	4.0	19	24	30	9.4
			2	3.1	67	3.4	4.7	95	4.2	4.7	115	6.3	4	167	-	-	-						
SU46	Fluid Cap 100150 + Air Cap 189-6-62-70°	2.5	1.7	25	156	3	39	230	3.4	50	250	4.6	62	320	6	93	395						
			1.8	19.7	167	3.1	33	240	3.5	43	260	4.9	47	345	6.3	77	425	2.0	0.70	24	33	46	5.5
			2	15.1	178	3.2	27	255	3.7	41	275	5.3	36	375	6.7	62	460	3.2	1.5	25	34	47	6.4
			2.1	11.4	193	3.4	23	265	3.9	27	300	5.6	26	405	7	52	495	3.9	2.0	28	37	51	7.3
			2.3	7.6	205	3.5	18.5	280	4.1	23	310	6	18.9	435	-	-	-	5.3	3.0	29	38	53	7.9
			-	-	-	3.7	14.8	290	4.2	18.9	320	6.3	13.6	460	-	-	-	6.3	4.0	33	42	58	9.8
			-	-	-	-	-	-	4.4	15.9	335	-	-	-	-	-	-						

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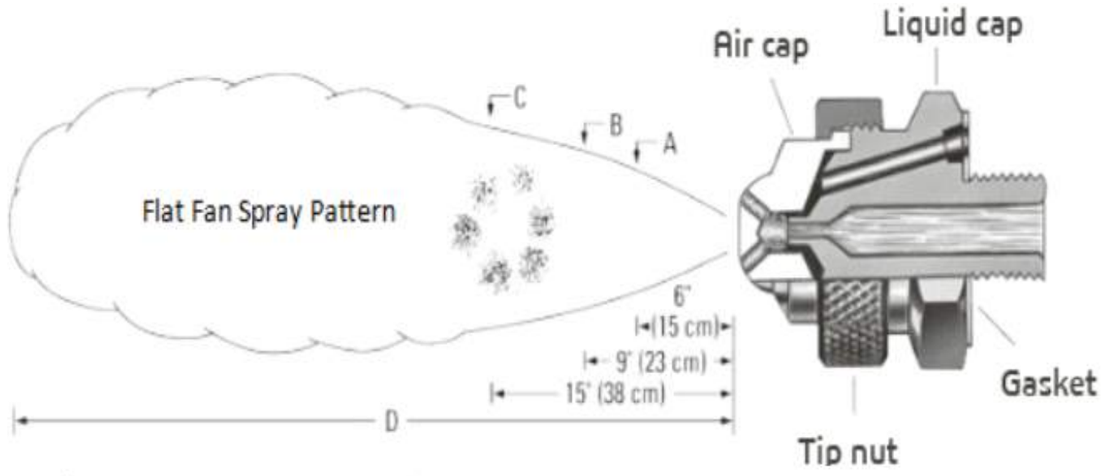
ALFANOZZLE

SU SERIES

Flat spray air caps produce
flat fan spray patterns

FLAT SPRAY - INTERNAL MIX



For flat spray pattern,angle "A" is maintained throughout distance "B".

·Spray Angle : 28°-51°
·Spray Pattern :Flat fan spray pattern with irregularly ellipse impact area.
·Drops : Small- to much small-size,uniform distribution .
·Features : The nozzle body has air inlet and liquid inlet at opposite ends.
Wide selection,includes adjustable nozzle,fixed nozzle and self-cleaning nozzle.

· Flat Fan Spray(Pressure)

At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)* Liquid Pressure														Spray Dimensions					
			0.7			1.5			2			3			4			Air*	Liquid*	A (cm)	B (cm)	C (cm)	D (m)
			Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min						
SU13A	Fluid Cap 2050 + Air Cap 73328	0.5	0.7	5.5	24	1.3	9.1	31	2	8.6	42	2.7	11.2	52	3.9	12	69	1.1	0.7	25	36	46	2.6
			0.85	4.7	27	1.5	7.7	36	2.2	7.5	47	3	10.1	56	4.6	9.7	81	2.1	1.5	36	48	66	3.0
			1	4.1	31	1.8	6.5	42	2.5	6.2	52	3.2	9.1	62	5.3	7.5	93	2.8	2.0	38	53	76	3.2
			1.1	3.5	34	2.1	5.4	47	2.8	5.2	57	3.5	8.1	66	6	5.3	104	3.5	3.0	47	61	86	3.4
			1.3	3	37	2.4	4.3	52	3.1	4.2	63	4.2	5.4	79	6.3	4.3	110	6.0	4.0	56	74	94	4.0
			1.4	2.5	40	2.7	3.3	57	3.2	3.7	65	4.6	4.2	85	6.7	3.3	116						
			1.5	2	44	2.8	2.8	60	3.4	3.2	68	4.9	3.1	91	7	2.4	122						
SU13	Fluid Cap 2850 + Air Cap 73328	0.7	0.85	8.2	19.8	1.4	14.4	27	2.1	13.5	36	2.7	19.1	42	4.6	16.1	69	1.1	0.7	36	46	71	2.1
			1	6.8	23	1.7	11.9	32	2.4	11.4	42	3	17.1	46	4.9	13.8	76	2.1	1.5	43	61	81	2.4
			1.1	5.5	27	2	9.5	37	2.7	9.2	47	3.2	15.1	52	5.3	11.5	83	3.0	2.0	51	66	89	2.6
			1.3	4.1	30	2.1	8.3	40	3	7.1	53	3.5	13.1	57	5.6	9.3	90	3.5	3.0	58	76	97	2.7
			1.4	2.9	34	2.2	7.1	43	3.2	5	59	4.2	8.1	72	6	7.3	97	5.6	4.0	58	76	97	3.2
			-	-	-	2.4	6.1	46	3.4	4	62	4.6	5.9	79	6.3	5.6	104						
			-	-	-	2.5	5.1	49	3.5	3.3	66	4.9	4	86	6.7	4.3	112						
SUN13	Fluid Cap 2850 + Air Cap 73335	0.7	1	9	25	2	10.4	41	2.4	11.6	48	3.1	15.6	56	4.2	17.1	73	1.4	0.7	10	13	17	3.0
			1.1	7.8	30	2.1	9.3	45	2.5	10.4	51	3.2	14.6	59	4.6	15	80	2.5	1.5	13	15	20	3.7
			1.3	6.6	32	2.2	8.2	48	2.7	9.4	54	3.4	13.7	62	4.9	12.8	87	3.2	2.0	13	17	22	4.0
			1.4	5.2	36	2.5	6.1	55	3	7.3	61	3.8	10.8	71	5.3	11	94	3.8	3.0	15	22	28	4.2
			1.7	3.1	44	2.8	4.3	62	3.2	5.5	68	4.2	8.5	82	5.6	9.4	103	5.3	4.0	20	25	33	4.8
			2	2	50	3.1	3	69	3.5	4.1	75	4.9	5.2	98	6.3	7.2	119						
			2.2	1.1	56	3.4	2	75	3.8	2.9	81	6	2.3	120	7	6.1	134						
SU14	Fluid Cap 2850 + Air Cap 73320	0.7	1.3	3.9	30	2.1	7.4	40	3	6.1	52	3.9	9.4	60	5.3	10.2	78	1.5	0.7	25	33	46	1.8
			1.4	3	33	2.4	5.3	45	3.1	5.3	54	4.2	7.2	67	5.6	8.3	84	2.7	1.5	36	51	69	2.0
			1.5	2.3	35	2.5	4.4	47	3.2	4.5	57	4.6	5.3	73	6	6.6	89	3.2	2.0	58	74	91	2.0
			1.7	1.8	38	2.7	3.7	50	3.4	3.8	59	4.9	3.8	80	6.3	5.1	98	4.2	3.0	61	74	94	2.1
			1.8	1.3	41	2.8	3.1	52	3.5	3.2	62	-	-	-	-	-	-	5.6	4.0	64	76	97	2.3
			2	0.95	44	3	2.6	55	3.9	1.8	68	-	-	-	-	-	-						
			-	-	-	3.1	2.1	57	-	-	-	-	-	-	-	-	-						
SUN23	Fluid Cap 60100 + Air Cap 125340	1.5	1	17	23	2	24	44	2.4	28	51	3.4	38	72	3.9	65	75	1.1	0.7	10	13	15	2.4
			1.1	11	27	2.1	18.9	50	2.5	23	59	3.5	33	80	4.2	53	89	2.1	1.5	10	13	17	3.0
			1.3	7.6	33	2.2	14.4	56	2.7	18.9	66	3.7	28	89	4.6	40	108	2.8	2.0	13	17	22	3.4
			1.4	3.2	40	2.4	10.6	63	2.8	15.1	74	3.8	23	97	4.9	30	127	3.7	3.0	15	20	28	3.6
			-	-	-	2.5	7.2	71	3	11.7	79	3.9	19.7	105	5.3	21	149	4.9	4.0	20	25	35	4.0
			-	-	-	-	-	-	-	-	-	4.2	13.1	120	5.6	13.8	173						
			-	-	-	-	-	-	-	-	-	4.6	7.2	138	6.3	3.2	225						
SU23B	Fluid Cap 40100 + Air Cap 125328	1.0	1.1	11.2	54	2.1	18	79	2.7	19.6	93	3.5	27	112	4.6	33	137	1.4	0.7	15	18	20	3.0
			1.3	8.5	60	2.2	15.8	84	2.8	17.3	98	3.7	25	116	4.9	28	149	2.4	1.5	23	28	33	3.2
			1.4	6.5	65	2.4	13.6	89	3	15.2	103	3.8	23	121	5.3	24	161	3.0	2.0	25	33	46	3.4
			1.5	5	71	2.5	11.6	95	3.1	13.2	109	3.9	21	126	5.6	19.7	174	3.7	3.0	30	38	46	3.5
			1.7	3.8	77	-	-	-	3.2	11.4	114	4.1	18.9	132	6	15.7	187	5.3	4.0	33	41	48	4.0
			-	-	-	-	-	-	-	-	-	4.2	17	137	6.3	12.4	200						
SU23	Fluid Cap 60100 + Air Cap 125328	1.5	0.85	27	33	1.8	38	55	2.4	39	67	3.2	58	76	4.6	59	106	1.1	0.7	18	23	30	3.4
			1	20	38	2.1	28	66	2.7	30	77	3.5	47	87	5.3	40	132	2.4	1.5	23	30	41	3.5
			1.1	15.9	45	2.2	24	71	3	24	87	3.8	38	97	5.6	32	145	3.2	2.0	25	33	43	3.7
			1.3	12.5	48	2.4	21	76	3.2	17.8	98	3.9	34	103	6	26	158	3.9	3.0	30	38	48	3.8
			1.4	10.2	56	2.5	17.8	82	3.4	15.1	103	4.2	27	113	6.3	20	172	6.0	4.0	33	41	51	4.4
			1.5	7.6	62	2.7	15.1	87	3.5	12.9	109	4.6	20	126	6.7	15.9	185						
			-	-	-	-	-	-	3.7	10.6	114	4.9	14.8	140	7	12.7	198						
SU43	Fluid Cap 100150 + Air Cap 189351	2.5	1	29	90	1.8	56	117	2.1	100	119	3	126	140	4.1	140	181	1.0	0.7	18	20	25	3.4
			1.1	18.9	108	2	40	133	2.2	79	133	3.1	110	151	4.2	125	193	1.8	1.5	25	30	43	3.8
			-	-	-	-	-	-	2.4	62	147	3.2	95	163	4.6	89	225	2.4	2.0	25	30	46	4.3
			-	-	-	-	-	-	2.5	48	162	3.4	78	184	4.9	58	265	3.4	3.0	33	41	53	4.6
			-	-	-	-	-	-	2.7	36	177	3.5	62	193	5.3	34	305	4.9	4.0	36	43	58	5.2
			-	-	-	-	-	-	-	-	-	3.7	48	210	5.6	16.7	340						
			-	-	-	-	-	-	-	-	-	3.8	37	225	-	-	-						

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ALFANOZZLE

SU SERIES WIDE ANGLE ROUND SPRAY - INTERNAL MIX

360°circular spray air caps produce hollow Cone,360°circular spray pattern

·Spray Angle : 360°
·Spray Pattern :Hollow cone- shaped spray pattern with irregularly ring-shaped impact area.
·Drops : Small- to much small-size,uniform distribution .
·Features : The nozzle body has air inlet and liquid inlet at opposite ends. Wide selection,includes adjustable nozzle,fixed nozzle and self-cleaning nozzle

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*													
		Liquid Pressure													
		0.7bar			1.5bar			2bar			3bar			4bar		
		Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min	Air Press	L/h	Air L/min
SU340C	Fluid Cap 60150 + Air Cap 189-6-62-160HC	1.4	15.1	69	2.8	19.5	142	3.5	21	185	4.2	48	210	6	45	340
		1.5	10.6	77	3	16.1	153	3.7	17.6	196	4.6	37	240	6.3	37	375
		1.7	7.6	84	3.1	13.2	165	3.8	14.8	210	4.9	28	275	6.7	30	405
		1.8	5.7	93	3.2	10.6	177	3.9	12.5	220	5.6	15.5	340	7	24	440
		2	4.2	103	3.4	8.3	188	4.2	8.1	245	6.3	7.8	425	-	-	-

WIDE ANGLE FLAT SPRAY - INTERNAL MIX

Deflected flat fan spray air cap produce deflected Flat Fan Spray Pattern

·Spray Angle :75°
·Spray Pattern :Flat fan spray pattern with irregularly ellipse impact area. ·Drops : Small- to much small-size,uniform distribution .
·Features : The nozzle body has air inlet and liquid inlet at opposite ends.
Wide selection,includes adjustable nozzle,fixed nozzle and self-cleaning nozzle

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*													
			Liquid Pressure													
			0.7bar			1.5bar			2bar			3bar			4bar		
			Air Press	l/h	Air L/min	Air Press	l/h	Air L/min	Air Press	l/h	Air L/min	Air Press	l/h	Air L/min	Air Press	l/h	Air L/min
SUC-W	Fluid Cap 28150 + Air Cap 189110-75°	0.7	0.4	11.0	45	1.1	14.5	79	1.5	15.7	96	2.1	20	114	2.7	26	133
			0.6	9.5	54	1.3	13.2	86	1.7	14.3	104	2.2	19.2	121	3.2	22	160
			0.7	7.6	65	1.4	11.8	95	1.8	12.9	112	2.7	15.8	146	3.8	17.7	186
			0.8	5.7	77	1.5	10.0	103	2.1	9.8	130	3.1	11.8	173	4.4	13.1	230
			-	-	-	1.7	8.7	113	2.2	8.3	142	3.2	10.3	183	4.6	10.2	250

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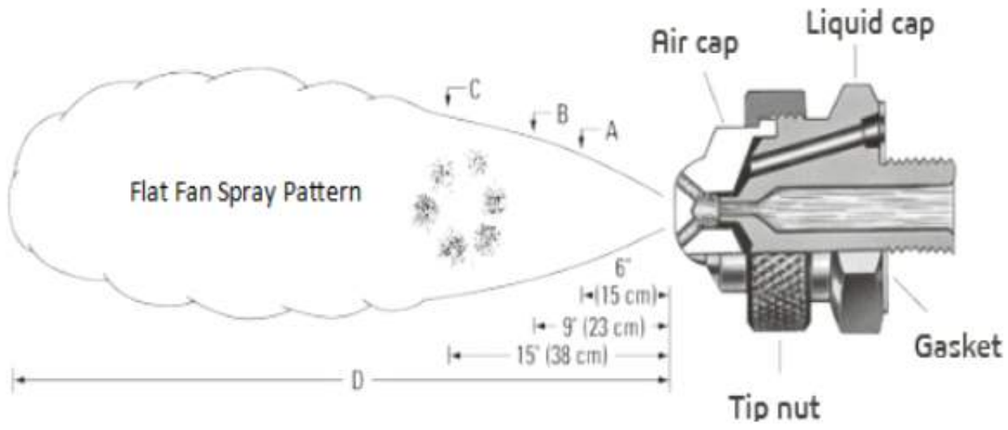
SU SERIES

FLAT SPRAY - EXTERNAL MIX

External mix caps produce a flat spray pattern



For flat spray ,angle "A" is maintained throughout distance "B".
Beyond "B",the spray becomes turbulent and will project out to distance "D".

·Spray Angle : 45°-60°
·Spray Pattern :Flat fan spray pattern with irregularly ellipse impact area.
·Drops : Small- to much small-size,uniform distribution .
·Features : The nozzle body has air inlet and liquid inlet at opposite ends.
Wide selection,includes adjustable nozzle,fixed nozzle and self-cleaning nozzle.

FLAT SPRAY - EXTERNAL MIX

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*														Spray Dimensions					
			Liquid Pressure																			
			0.2bar			0.3bar			0.7bar			1.5bar			3bar			Air*	Liquid*	A (cm)	B (cm)	C (cm)	D (m)
			Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min						
SUE15B	Fluid Cap 1650 + Air Cap 67228-45°	0.4	0.20	2.8	25.2	3.5	3.5	26.3	0.70	5.3	31.2	1.4	7.8	45.3	2.8	11.0	73.6	0.20	0.20	9.0	15.0	23	0.90
			0.35	2.8	26.3	0.70	3.5	31.2	1.05	5.3	39.6	1.75	7.8	53.8	3.5	11.0	85	1.05	0.20	9.0	15.0	23	1.2
			0.70	2.8	31.2	1.05	3.5	39.6	1.4	5.3	45.3	2.1	7.8	59.5	4.2	11.0	102	1.4	0.35	10.0	15.0	23	1.2
			1.05	2.8	39.6	1.4	3.5	45.3	1.75	5.3	53.8	2.8	7.8	73.6	4.9	11.0	119	1.4	1.4	11.5	18.0	25	1.5
			1.4	2.8	45.3	1.75	3.5	53.8	2.1	5.3	59.4	3.5	7.8	85	5.3	11.0	127.5	1.75	0.70	11.5	15.0	24	1.5
			1.75	2.8	53.8	2.1	3.5	59.4	2.8	5.3	73.6	4.2	7.8	102	5.6	11.0	139	2.8	1.4	13.0	18.0	28	1.8
			2.1	2.8	59.4	2.8	3.5	73.6	3.5	5.3	85	5.6	7.8	139	6.3	11.0	159	4.9	2.8	15.0	18.0	24	2.4
SUE18B	Fluid Cap 1650 + Air Cap 62240-60°	0.4	0.35	2.8	22	0.35	3.5	22	0.40	5.3	25	0.60	7.8	28	0.7	11.0	34	0.40	0.30	20	28	33	1.2
			0.40	2.8	25	0.40	3.5	25	0.60	5.3	28	0.70	7.8	34	1.1	11.0	45	0.60	0.70	23	30	40	1.8
			0.50	2.8	27.5	0.60	3.5	28	0.70	5.3	34	1.1	7.8	45	1.8	11.0	62	0.60	1.5	28	35	46	1.8
			0.60	2.8	28	0.70	3.5	34	0.85	5.3	40	1.4	7.8	54	2.5	11.0	79	1.1	1.5	28	33	43	2.4
																		1.4	1.5	25	30	41	2.7
																		1.1	2.0	28	35	48	2.6
																		1.4	3.0	30	38	51	2.7
SUE15A	Fluid Cap 2050 + Air Cap 67228-45°	0.5	0.35	4.5	26.3	0.70	5.5	31.2	1.05	8.3	39.6	1.75	12.2	53.8	3.15	16.6	82	0.35	0.20	7.5	14.0	22	1.0
			0.70	4.5	31.2	1.05	5.5	39.6	1.4	8.3	45.3	2.1	12.2	59.4	3.5	16.6	85	1.4	0.20	9.0	15.0	22	1.7
			1.05	4.5	39.6	1.4	5.5	45.3	1.75	8.3	53.8	2.8	12.2	73.6	4.2	16.6	102	1.75	0.35	10.0	16.5	23	1.8
			1.4	4.5	45.3	1.75	5.5	53.8	2.1	8.3	59.4	3.5	12.2	85	4.9	16.6	119	1.75	1.4	13.0	19.0	29	2.1
			1.75	4.5	53.8	2.1	5.5	59.4	2.8	8.3	73.6	4.2	12.2	102	5.25	16.6	127	2.1	0.70	13.0	18.0	25	1.8
			2.1	4.5	59.4	2.8	5.5	73.6	3.5	8.3	85	4.9	12.2	119	6.3	16.6	159	3.5	1.4	13.0	22	30	2.4
			2.8	4.5	73.6	3.5	5.5	85	4.2	8.3	102	6.3	12.2	159	6.7	16.6	164	5.3	2.8	15.0	19.0	25	3.0
SUE18A	Fluid Cap 2050 + Air Cap 62240-60°	0.5	0.35	4.5	22	0.35	5.5	22	0.60	8.3	28	0.70	12.2	34	1.1	16.6	45	0.70	0.30	28	33	40	1.5
			0.60	4.5	28	0.70	5.5	34	0.70	8.3	34	1.4	12.2	54	1.4	16.6	54	1.1	0.70	30	38	48	2.1
			0.70	4.5	34	1.1	5.5	45	1.4	8.3	54	2.1	12.2	71	2.1	16.6	71	0.70	1.5	38	46	58	1.8
			1.1	4.5	45	1.4	5.5	54	2.1	8.3	71	2.5	12.2	79	2.5	16.6	79	1.4	1.5	35	43	56	2.4
																		2.5	1.5	33	40	51	3.0
																		1.8	2.0	38	46	58	2.7
																		1.8	3.0	41	48	66	2.9
SUE15	Fluid Cap 2850 + Air Cap 67228-45°	0.7	0.70	8.5	31.2	1.05	10.4	39.6	1.4	15.9	45.3	2.5	23	68	3.5	33	85	0.70	0.20	13.0	16.5	25	1.2
			1.05	8.5	39.6	1.4	10.4	45.3	1.75	15.9	53.8	2.8	23	73.6	4.2	33	102	1.75	0.20	13.0	16.5	25	1.8
			1.4	8.5	45.3	1.75	10.4	53.8	2.1	15.9	59.4	3.5	23	85	4.9	33	119	2.1	0.35	13.0	18.0	24	1.8
			1.75	8.5	53.8	2.1	10.4	59.4	2.8	15.9	73.6	4.2	23	102	5.3	33	127	2.5	1.4	14.0	20	32	1.8
			2.1	8.5	59.4	2.8	10.4	73.6	3.5	15.9	85.0	4.9	23	119	5.6	33	139	2.8	0.70	14.0	19.0	30	2.3
			2.8	8.5	73.6	3.5	10.4	85	4.2	15.9	102	5.6	23	139	6.3	33	159	4.2	1.4	14.0	20	36	3.0
			3.5	8.5	85	4.2	10.4	102	4.9	15.9	119	6.3	23	159	7.0	33	176	5.3	2.8	16.5	20	30	4.0
SUE18	Fluid Cap 2850 + Air Cap 62240-60°	0.7	0.40	8.5	25	0.40	10.4	25	0.40	15.9	25	0.70	23	34	1.4	33	54	0.60	0.30	35	48	61	1.8
			0.50	8.5	27.5	0.60	10.4	28	0.60	15.9	28	0.85	23	40	1.8	33	62	0.60	0.70	35	48	63	1.5
			0.60	8.5	28	0.65	10.4	31	0.70	15.9	34	1.1	23	45	2.1	33	71	0.70	1.5	38	48	63	1.8
			0.70	8.5	34	0.70	10.4	34	0.85	15.9	40	1.4	23	54	2.5	33	79	1.1	1.5	41	51	66	2.1
																		1.4	1.5	43	53	66	2.4
																		1.8	2.0	41	51	69	2.7
																		2.1	3.0	41	51	69	2.9

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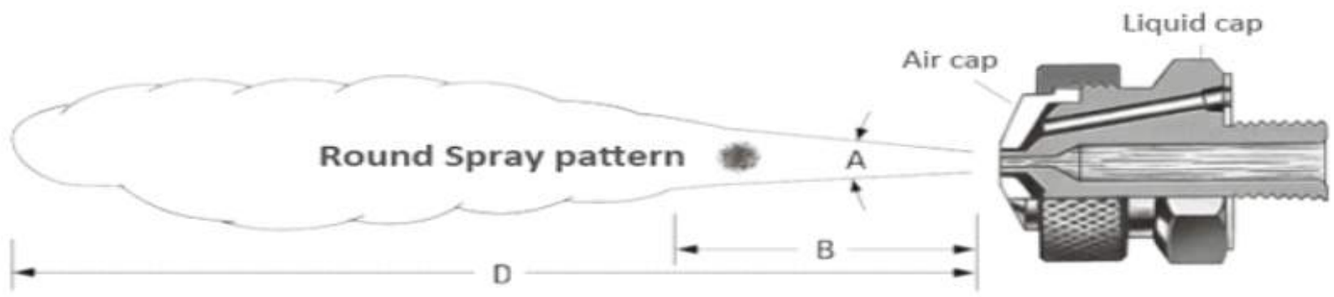
ALFANOZZLE

SU SERIES ROUND SPRAY - EXTERNAL MIX SIPHON SPRAY SET-UPS

Round spray air caps
produce round spray



For round spray pattern,angle ""A"" is maintained throughout distance ""B"".
Beyond ""B"", the spray becomes turbulent and will project out to distance ""D"".

·Spray Angle : 18°-22°
·Spray Pattern : Hollow cone- shaped spray pattern with irregularly ellipse impact area.
·Drops : Small- to much small-size,uniform distribution .
·Features :The nozzle body has air inlet and liquid inlet at opposite ends.
Wide selection,includes adjustable nozzle,fixed nozzle and self-cleaning nozzle.

· Round Spray

At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Atomizing Air		Liquid Capacity (liters per hour)*								Spray Dimensions at 20cm Siphon Height			
			Air Press.	Air Capacity L/min	Gravity Head (cm)			Siphon Height (cm)					Air*	Spray Angle A(°)	B (cm)	D (m)
					45	30	15	10	20	30	60	90				
SU1A	Fluid Cap 1650 + Air Cap 64	0.4	0.7	11.3	1.5	1.3	1.1	0.87	0.68	0.53	—	—	0.7	18	28	1.8
			1.5	17.0	1.8	1.7	1.5	1.3	1.2	1.1	0.62	—	1.5	18	28	1.9
			3.0	28	2.1	1.9	1.7	1.5	1.4	1.3	1.1	0.76	3.0	18	30	2.3
			4.0	36	2.2	2.0	1.8	1.6	1.5	1.4	1.2	0.87	4.0	18	36	2.6
SU1	Fluid Cap 2050 + Air Cap 64	0.5	0.7	13.3	2.4	2.1	1.7	1.5	1.2	0.79	—	—	0.7	18	30	2.1
			1.5	20	2.8	2.6	2.4	2.1	1.9	1.6	0.91	—	1.5	18	33	2.3
			3.0	32	3.4	3.1	2.9	2.8	2.6	2.4	1.7	1.1	3.0	18	38	2.6
			4.0	41	3.7	3.4	3.3	3.1	2.9	2.7	2.1	1.5	4.0	19	43	3.0
SU2A	Fluid Cap 2050 + Air Cap 70	0.5	0.7	23	2.5	2.3	2.0	1.6	1.4	1.1	—	—	0.7	18	30	2.4
			1.5	36	2.9	2.8	2.5	2.2	2.0	1.7	0.89	—	1.5	18	33	2.7
			3.0	58	3.4	3.3	3.2	2.9	2.8	2.5	1.9	1.2	3.0	20	38	3.4
			4.0	74	3.7	3.6	3.5	3.4	3.3	3.0	2.5	2.0	4.0	21	43	4.0
SU2	Fluid Cap 2850 + Air Cap 70	0.7	0.7	19.3	4.5	4.0	3.4	2.1	1.8	1.4	—	—	0.7	21	38	3.0
			1.5	31	5.3	4.9	4.4	3.5	2.9	2.7	1.8	—	1.5	21	41	3.4
			3.0	50	6.0	5.6	5.0	4.4	4.0	3.4	2.4	1.2	3.0	22	46	4.0
			4.0	65	5.7	5.4	5.0	4.2	3.9	3.5	2.8	1.9	4.0	17	51	4.6
SU4	Fluid Cap 60100 + Air Cap 120	1.5	1.5	58	22	19.9	16.3	12.3	10.5	8.3	2.8	—	1.5	18	46	3.7
			3.0	88	25	23	19.5	16.7	14.2	11.5	6.4	2.8	3.0	18	51	4.3
			4.0	111	26	24	21	18.4	15.7	12.9	7.9	4.5	4.0	19	53	4.9
			5.6	147	26	24	22	19.7	17.0	14.6	9.8	6.1	5.6	20	58	5.5
SU5	Fluid Cap 100150 + Air Cap 180	2.5	2.0	144	—	—	—	27	22	16.8	—	—	2.0	20	51	6.7
			3.0	190	—	—	—	30	26	21	—	—	3.0	20	53	7.0
			4.0	240	—	43	40	31	28	23	11.0	—	4.0	21	58	7.6
			5.6	315	44	42	39	31	28	24	16.7	8.3	5.6	22	63	8.2

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SU SERIES FLAT FAN SPRAY - EXTERNAL MIX SIPHON SPRAY SET-UPS

External mix caps produce a flat spray pattern

· Flat Fan Spray(Siphon)

At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*														Spray Dimensions					
			Liquid Pressure														Air*	Liquid*	A (cm)	B (cm)	C (cm)	D (m)
			0.2bar			0.3bar			0.7bar			1.5bar			3bar							
			Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min	Air Press.	L/h	Air L/min						
SUE25B	Fluid Cap 35100 + Air Cap 134255-45°	0.8	0.70	13.4	85	1.0	16.4	102	1.4	25	116	2.5	37	178	3.2	52	212	0.70	0.20	13.0	19.0	25	1.7
			1.0	13.4	102	1.4	16.4	116	1.8	25	139	2.8	37	195	3.5	52	232	1.8	0.20	13.0	19.0	25	2.7
			1.4	13.4	116	1.8	16.4	139	2.1	25	156	3.5	37	227	3.9	52	255	2.1	0.35	15.0	19.0	28	3.0
			1.8	13.4	139	2.1	16.4	156	2.5	25	178	4.2	37	266	4.2	52	275	2.5	0.70	15.0	22	28	3.5
			2.1	13.4	156	2.8	16.4	195	2.8	25	195	4.9	37	312	4.9	52	314	2.5	1.4	16.5	23	36	3.7
			2.8	13.4	195	3.5	16.4	227	3.5	25	227	5.6	37	360	5.6	52	360	4.2	1.4	16.5	23	37	4.3
			3.5	13.4	227	4.2	16.4	266	4.2	25	266	6.3	37	411	6.3	52	411	4.9	2.8	16.5	22	32	4.9
SUE28B	Fluid Cap 35100 + Air Cap 122281-60°	0.8	0.60	13.4	91	0.7	16.4	102	1.4	25	156	2.1	37	210	3.2	52	285	1.4	0.30	33	38	48	3.8
			0.70	13.4	102	1.1	16.4	130	2.1	25	210	2.8	37	260	4.2	52	360	2.1	0.70	33	40	56	4.3
			1.1	13.4	130	1.8	16.4	184	2.5	25	235	3.5	37	310	5.3	52	430	2.1	1.5	35	46	58	4.0
			1.4	13.4	156	2.1	16.4	210	2.8	25	260	4.2	37	360	5.6	52	455	3.2	1.5	38	48	66	4.6
																		4.2	1.5	38	48	64	5.2
																		3.9	2.0	41	51	69	4.6
																		4.2	3.0	38	51	71	4.9
SUE25A	Fluid Cap 40100 + Air Cap 134255-45°	1.0	0.70	17.6	85	1.4	22	116	1.8	33	139	2.8	48	195	3.5	68	232	0.70	0.35	15.0	19.0	27	2.1
			1.0	17.6	102	1.8	22	139	2.1	33	156	3.2	48	212	4.2	68	275	1.8	0.70	15.0	19.0	27	3.0
			1.4	17.6	116	2.1	22	156	2.5	33	178	3.5	48	227	4.9	68	314	2.5	1.4	15.0	22	33	3.4
			1.8	17.6	139	2.5	22	178	2.8	33	195	4.2	48	266	5.3	68	340	2.8	1.4	15.0	22	36	3.8
			2.1	17.6	156	2.8	22	195	3.5	33	227	4.9	48	312	5.6	68	360	2.8	1.4	16.5	25	37	4.0
			2.8	17.6	195	3.5	22	227	4.2	33	266	5.6	48	360	6.3	68	411	4.2	2.1	16.5	25	37	4.9
			3.5	17.6	227	4.2	22	266	4.9	33	312	6.3	48	411	6.6	68	428	5.3	2.8	18.0	23	36	5.8
SUE28A	Fluid Cap 40100 + Air Cap 122281-60°	1.0	0.60	17.6	91	0.70	22	102	1.1	33	130	2.5	48	235	3.5	68	310	1.1	0.20	33	38	51	3.5
			1.1	17.6	130	1.4	22	156	1.8	33	184	3.2	48	285	4.6	68	380	1.8	0.70	35	48	64	3.0
			1.4	17.6	156	1.8	22	184	2.5	33	235	3.9	48	330	6.0	68	475	2.5	1.5	38	46	64	3.8
			1.8	17.6	184	2.1	22	210	2.8	33	260	4.2	48	360	6.7	68	525	3.2	1.5	33	43	61	4.3
																		4.2	1.5	30	43	58	4.9
																		4.2	2.0	33	43	61	5.2
																		4.9	3.0	33	43	61	4.0
SUE28	Fluid Cap 60100 + Air Cap 122281-60°	1.5	0.70	36	102	1.1	45	130	1.8	68	184	3.2	100	285	5.3	141	430	2.1	0.30	40	56	76	3.0
			1.1	36	130	1.4	45	156	2.1	68	210	3.5	100	310	6.0	141	475	2.8	0.70	46	58	81	4.0
			1.4	36	156	2.1	45	210	2.8	68	260	4.9	100	405	6.7	141	525	3.2	1.5	48	58	79	4.3
			1.8	36	184	2.5	45	235	3.2	68	285	5.9	100	455	7.0	141	550	4.6	1.5	43	53	76	4.9
																		5.6	1.5	38	51	66	5.8
																		3.9	2.0	48	64	84	4.3
																		6.3	3.0	41	56	79	5.8
SUE25	Fluid Cap 60100 + Air Cap 134255-45°	1.5	1.0	36	102	1.8	45	139	2.5	68	178	3.2	100	212	3.9	141	255	1.0	0.20	15.0	20	25	2.7
			1.4	36	116	2.1	45	156	2.8	68	195	3.5	100	227	4.2	141	275	2.1	0.20	15.0	22	29	3.0
			1.8	36	139	2.5	45	178	3.2	68	212	3.9	100	246	4.6	141	297	2.8	0.35	18.0	24	36	3.5
			2.1	36	156	2.8	45	195	3.5	68	227	4.2	100	266	4.9	141	314	3.2	1.4	20	28	39	3.7
			2.5	36	178	3.2	45	212	4.2	68	266	4.9	100	312	5.6	141	360	3.5	0.70	19.0	27	38	4.0
			2.8	36	195	3.5	45	227	4.9	68	312	5.6	100	360	6.3	141	411	4.2	1.4	20	28	39	4.3
			3.5	36	227	4.2	45	266	5.6	68	360	6.3	100	411	7.0	141	453-	5.6	2.8	18.0	24	38	5.9
SUE45B	Fluid Cap 60150 + Air Cap 200278-45°	1.5	1.8	36	235	1.8	45	235	2.5	68	300	3.9	100	410	-	-	-	1.8	0.20	15.0	20	29	3.0
			2.1	36	260	2.1	45	260	2.8	68	330	4.2	100	445	-	-	-	2.8	0.20	15.0	20	30	3.4
			2.5	36	300	2.5	45	300	3.2	68	355	4.6	100	480	-	-	-	2.8	0.30	15.0	20	30	4.0
			2.8	36	330	2.8	45	330	3.5	68	380	4.9	100	529	-	-	-	3.5	0.70	17.0	22	32	4.3
			3.2	36	355	3.2	45	355	3.9	68	410	5.3	100	565	-	-	-	3.9	1.5	17.0	22	34	4.6
			3.5	36	380	3.5	45	380	4.2	68	445	5.6	100	600	-	-	-	4.2	1.0	17.0	23	33	4.7
			4.2	36	445	4.2	45	445	4.9	68	520	6.3	100	685	-	-	-	4.9	1.5	17.0	23	34	5.5
SUE45A	Fluid Cap 80150 + Air Cap 200278-45°	2.0	2.1	64	260	2.8	78	330	3.9	119	410	4.9	175	520	-	-	-	2.1	0.20	17.0	24	34	3.5
			2.5	64	300	3.2	78	355	4.2	119	445	5.3	175	565	-	-	-	3.2	0.20	18.0	24	36	4.3
			2.8	64	330	3.5	78	380	4.6	119	480	5.6	175	600	-	-	-	3.9	0.30	18.0	25	36	4.9
			3.2	64	355	3.9	78	410	4.9	119	520	6.0	175	640	-	-	-	4.9	0.70	18.0	25	36	5.5
			3.5	64	380	4.2	78	445	5.3	119	565	6.3	175	685	-	-	-	4.9	1.5	20	25	38	5.5
			4.2	64	445	4.9	78	520	5.6	119	600	-	-	-	-	-	-	5.3	1.0	18.0	25	38	5.8
			4.9	64	520	5.6	78	600	6.3	119	685	-	-	-	-	-	-	5.6	1.5	20	25	38	6.1
SUE45	Fluid Cap 100150 + Air Cap 200278-45°	2.5	2.8	102	330	3.5	125	380	4.6	192	480	5.6	280	600	-	-	-	2.8	0.20	19.0	25	36	4.6
			3.2	102	355	3.9	125	410	4.9	192	520	6.0	280	640	-	-	-	3.9	0.20	20	25	37	4.9
			3.5	102	380	4.2	125	445	5.3	192	565	6.3	280	685	-	-	-	4.6	0.30	20	25	37	5.2
			3.9	102	410	4.6	125	480	5.6	192	600	-	-	-	-	-	-	5.3	0.70	22	27	38	5.5
			4.2	102	445	4.9	125	520	6.0	192	640	-	-	-	-	-	-	5.6	1.0	22	27	41	5.5
			4.6	102	480	5.3	125	565	6.3	192	685	-	-	-	-	-	-	5.6	1.5	22	27	41	5.8
			4.9	102	520	5.6	125	600	-	-	-	-	-	-	-	-	-	6.0	1.5	22	27	41	6.1

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SU SERIES FLAT FAN SPRAY - INTERNAL MIX SIPHON SPRAY SET-UPS

Flat spray air caps produce
flat fan spray patterns

· Flat Fan Spray(Siphon)

At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Orifice (mm)	Atomizing Air		Liquid Capacity (liters per hour)*								Spray Dimensions at 20cm Siphon Height				
			Air Press.	Air Capacity L/min	Gravity Head (cm)			Siphon Height (cm)					Air*	A (cm)	B (cm)	C (cm)	D (m)
					45	30	15	10	20	30	60	90					
SUF1	Fluid Cap 2850 + Air Cap73420	0.7	0.7	28	1.3	1.2	1.1	1.0	0.95	0.83	0.64	0.49	0.7	20	26	38	2.1
			1.5	43	1.2	1.1	1.0	0.9	0.86	0.78	0.66	0.54	1.5	21	29	38	2.1
			2.0	50	0.82	0.76	0.68	0.57	0.50	-	-	-	2.0	23	30	38	1.8
SUF2C	Fluid Cap 35100 + Air Cap 120432	0.8	1.5	56	3.7	3.5	3.3	2.9	2.8	2.5	2.3	2.1	1.5	23	32	38	2.7
			2.0	65	3.4	3.3	3.1	2.8	2.7	2.6	2.4	2.2	2.0	24	34	42	2.7
			3.0	87	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.7	3.0	27	37	46	3.0
			4.0	110	1.9	1.8	1.6	1.5	1.3	1.2	-	-	4.0	28	39	48	2.7
SUF3B	Fluid Cap 40100 + Air Cap 122435	1.0	1.5	68	5.1	4.8	4.5	3.8	3.7	3.5	3.0	2.4	1.5	19	23	27	3.4
			2.0	78	4.9	4.7	4.4	3.6	3.4	3.2	2.9	2.3	2.0	20	25	28	3.4
			3.0	103	3.4	3.2	3.0	2.2	2.0	1.7	-	-	3.0	22	27	30	3.0
			3.5	117	2.2	2.0	1.7	-	-	-	-	-					
SUF4B	Fluid Cap 40100 + Air Cap 122440	1.0	1.5	63	7.6	7.2	6.6	5.7	5.4	5.1	4.6	3.7	1.5	17	22	27	3.4
			2.0	73	7.6	7.3	6.8	5.9	5.7	5.5	5.0	4.2	2.0	18	23	29	3.4
			3.0	96	6.4	6.1	5.7	5.0	4.5	4.1	3.3	-	3.0	20	27	33	3.4
			3.5	110	4.2	3.7	3.2	2.6	-	-	-	-					

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ALFANOZZLE

DRY FOG NOZZLE

·Spray Angle : 15°-80°
·Spray Pattern : Cone spray.
·Drops : 10-50μm
·Features : Compared with similar products, it can save energy and reduce consumption significantly, and can produce small particle size dry fog particles under low pressure and low gas volume conditions, which is not easy to plug.

Application:
·Dry mist suppresses dust
·Disinfection and sterilization
·Dust falls from coal yard
·Environmental humidification
·Cooling
·Dust removal and ash suppression in the discharge yard

Categories	SK508 nozzle 80°	SV882 nozzle 60°	SV980 nozzle 30°
Air pressure	5.0 bar	5.0 bar	3.0bar
Liquid pressure	1.0 bar	1.0 bar	0.5 bar
Air Capacity	112 L/min	240 L/min	307 L/min
Liquid Capacity	22 L/Hr	45L/Hr	41L/Hr
Average atomizing granularity	18.02μm(0.5 meters height)	23.79μm(1.5 meters height)	35.82μm(2 meters height)

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ALFANOZZLE

ST SERIES - AUTOMATIC SPRAY GUN

ST - 5

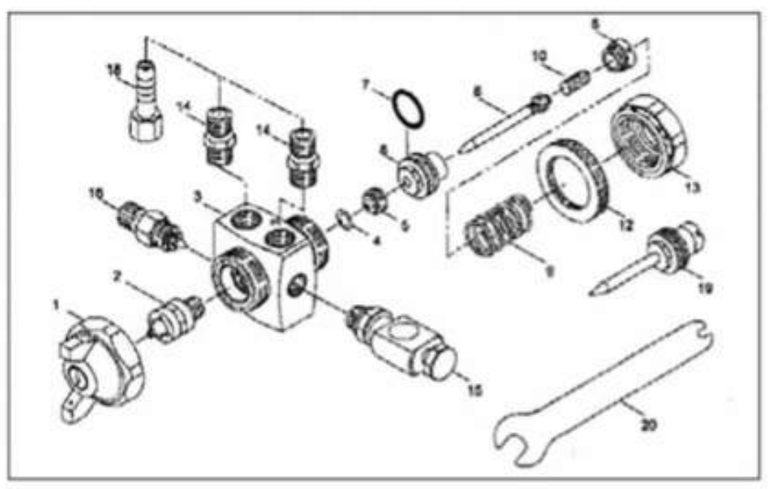
·Spray Pattern : Cone- shaped spray pattern or flat fan spray pattern.(Based on air pressure)
·Drops : Much small-size,uniform distribution .
·Material : SS
·Features : Spray gun piston work with air and using the fog to seperate the liquid. Being suitable for the circumstance of superior fog and spray switch in lower frequency.

Application:
·Coating
·Workshop wetting

ST - 6

·Spray Pattern : Cone- shaped spray pattern or flat fan spray pattern.(Based on air pressure)
·Drops : Much small-size,uniform distribution .
·Material : SS
·Features : Spray gun piston work with air and using the fog to seperate the liquid. Being suitable for the circumstance of superior fog and spray switch in lower frequency.

Application:
·Recirculation system
·Coating
·Workshop wetting



ST-5

Orifice Φmm	Water Flow rate ML/min	Flat Spraying Width		Air Flow rate	Air pressure machine
		200mm	300mm		
0.5	0～60	180	200	60	0.4～0.75
1.0	0～250	200	250	80	0.4～0.76
1.3	0～360	250	350	100	0.75～1.5
2.0	0～600	300	400	140	0.75～1.5

ST-6

Orifice Φmm	Water Flow rate ML/min	Flat Spraying Width		Round Spraying Width		Drop Size	Air Flow rate	Air pressure machine
		200mm	300mm	200mm	300mm			
0.5	0～60	180	180	ϕ40	ϕ50	40	60	0.4～0.75
1.0	0～250	200	200	ϕ60	ϕ70	80	80	0.4～0.75
1.3	0～360	250	250	ϕ70	ϕ80	100	100	0.75～1.5
2.0	0～600	300	300	ϕ80	ϕ90	130	140	0.75～1.5

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ALFANOZZLE

DRY MIST HUMIDIFIER

DRY MIST HUMIDIFIER - WMD

DRY MIST HUMIDIFIER - WJB

·Spraying distance of 4 meters or more;
·Can prevent drying and static electricity generation;
·More energy efficient than other humidification methods.
·Pa66 Industrial nylon material. Acid-proof, alkali-proof, explosion-proof;
·Good sealing, no water leakage;
·The metal part is 316 stainless steel material;
·Particle size test report can be issued;
·All assembled finished products, 100% inspection and shipment.

Application: ·Workshop anti-static cooling and humidification. Cooling and dust removal
·Farm disinfection. Garden irrigation

·Siphon Type

Model Number	Air cap Orifice	Liquid Orifice	Air Press.	Air consumption	Liquid Capacity	GraininessSMD (1meter)
GWJSQ-WJB-316L-0.4K	0.4	0.4	2KG	6m³/H	0.1L/min	10μm
	0.4	0.4	3KG	8m³/H	0.11L/min	8μm
	0.4	0.4	4KG	10m³/H	0.12L/min	7μm
GWJSQ-WJB-316L-0.7K	0.5	0.7	2KG	6m³/H	0.19L/min	8μm
	0.5	0.7	3KG	7m³/H	0.2L/min	8μm
	0.5	0.7	4KG	8m³/H	0.21L/min	9μm
GWJSQ-WJB-316L-0.8K	0.5	0.8	2KG	6m³/H	0.21L/min	7μm
	0.5	0.8	3KG	6.8m³/H	0.22L/min	8μm
	0.5	0.8	4KG	7.5m³/H	0.23L/min	9μm

·Pressure Type

Model Number	Air cap Orifice	Liquid Orifice	Air Press.	Water press.	Air consumption	Liquid Capacity	GraininessSMD (1meter)
GWJSQ-WMD-316L-0.4K	0.4	0.4	3KG	1.2KG	7.5m³/H	0.2L/min	8μm
				1.5KG	7.5m³/H	0.4L/min	12μm
	0.4	0.4	4KG	1.2KG	9m³/H	0.2L/min	9μm
				1.5KG	9m³/H	0.4L/min	14μm
GWJSQ-WMD-316L-0.7K	0.5	0.7	3KG	1.2KG	9m³/H	0.1L/min	8μm
				1.5KG	9m³/H	0.38L/min	9μm
	0.5	0.7	4KG	1.2KG	10.8m³/H	0.18L/min	7μm
				1.5KG	10.8m³/H	0.38L/min	7μm
GWJSQ-WMD-316L-0.8K	0.5	0.8	3KG	1.2KG	10m³/H	0.18L/min	10μm
				1.5KG	10m³/H	0.39L/min	10μm
	0.5	0.8	4KG	1.2KG	11.5m³/H	0.18L/min	8μm
				1.5KG	11.5m³/H	0.39L/min	9μm

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ALFANOZZLE

T SERIES - THREE PIECE SET

TB - STANDARD ANGLE - STANDARD THREE PIECE

Standard angle solid conical nozzle

F Thread Pedestal

M Thread Pedestal

FULL CONE STANDARD TYPE

Standard Angle Cone Nozzle

Thread Cap

TB2- WIDE ANGLE - STANDARD TWO PIECE

Wide angle solid cone two-piece

F Thread Pedestal

M Thread Pedestal

Wide Angle Cone Nozzle

·Standard Angle

At the stated pressure in bar.

Inlet Conn (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
			0.4bar	0.5bar	0.7bar	1.5bar	2bar	3bar	4bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
1/4	0.3	0.51	-	-	-	0.16	0.19	0.22	0.25	0.31	0.33	0.39	-	50	61
	0.4	0.56	-	-	-	0.22	0.25	0.3	0.34	0.41	0.44	0.52	-	56	63
	0.5	0.61	-	-	-	0.27	0.31	0.37	0.42	0.51	0.55	0.65	-	56	63
	0.6	0.69	-	-	-	0.32	0.37	0.45	0.51	0.61	0.66	0.78	-	54	62
	0.7	0.76	-	-	-	0.38	0.43	0.52	0.59	0.72	0.77	0.91	-	54	63
	1	0.94	-	-	-	0.54	0.62	0.74	0.85	1	1.1	1.3	-	58	53
	2	1.19	-	-	0.76	1.1	1.2	1.5	1.7	2	2.2	2.6	-	50	46
	3	1.57	-	-	1.1	1.6	1.9	2.2	2.5	3.1	3.3	3.9	-	65	59
	3.5	1.7	-	-	1.3	1.9	2.2	2.6	3	3.6	3.8	4.5	-	50	46
	5	2.08	-	-	1.9	2.7	3.1	3.7	4.2	5.1	5.5	6.5	-	65	59
	6.5	2.38	1.9	2.1	2.5	3.5	4	4.8	5.5	6.7	7.1	8.4	45	50	46
	10	3.18	2.9	3.3	3.8	5.4	6.2	7.4	8.5	10.2	11	13	58	67	61

Spray Angle : 45°-120°
Spray Pattern : Solid cone- shaped spray pattern with round impact area.
Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
Material : BRASS/SS
Features : Fast way to install spray tip . Large,unobstructed flow passages minimize clogging.
Removable caps and vanes for easy inspection and cleaning on most models.

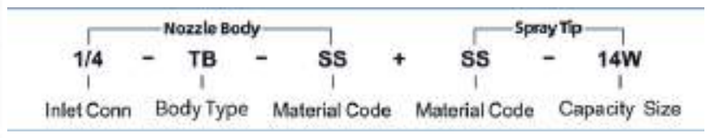
·Wide Angle

At the stated pressure in bar.

Inlet Conn (in.)	Nozzle Type		Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)									Spray Angle (°)		
	TB	TB2			0.4bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	6bar	0.4bar	0.7bar	6bar
1/8,1/4	●	●	2.8W	1.6	0.83	0.91	1.1	1.3	1.5	1.7	2.1	2.4	2.9	-	120	102
	●	●	4.3W	2	1.3	1.4	1.6	1.9	2.3	2.7	3.2	3.7	4.4	-	120	102
	●	●	5.6W	2.4	1.7	1.8	2.1	2.5	3	3.5	4.2	4.8	5.7	-	120	102
	●	●	8W	2.4	2.4	2.6	3	3.6	4.3	4.9	6	6.8	8.2	-	120	103
1/4	●	●	10W	2.8	2.9	3.3	3.8	4.5	5.4	6.2	7.4	8.5	10.2	112	120	103
	●		12W	3.2	3.5	3.9	4.6	5.4	6.5	7.4	8.9	10.2	12.3	114	120	103
	●	●	14W	3.6	4.1	4.6	5.3	6.3	7.6	8.6	10.4	11.9	14.3	114	120	103
3/8		●	17W	4	5	5.6	6.5	7.6	9.2	10.5	12.7	14.4	17.4	114	120	103
		●	20W	4.4	5.9	6.5	7.6	9	10.8	12.4	14.9	17	20	114	120	104
		●	24W	4.8	7.1	7.8	9.1	10.8	13	14.8	17.9	20	25	114	120	104
		●	27W	5.2	8	8.8	10.3	12.1	14.6	16.7	20	23	28	114	120	106
1/2		●	30W	5.6	8.8	9.8	11.4	13.5	16.2	18.5	22	25	31	114	120	108
		●	35W	6	10.3	11.4	13.3	15.7	18.9	22	26	30	36	114	120	108

Application:
·Degreasing ·Fire prevention
·Air cleaning ·Cooling in heat treat process ·Quenching during heat treat process ·Metal treating ·Gas cooling & scrubbing

- ORDER INFO:



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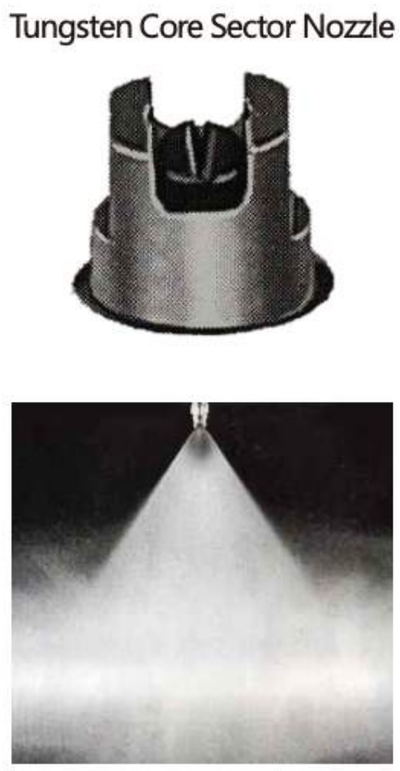
ALFANOZZLE

T SERIES - TPC

TUNGSTEN CORE FLAT FAN NOZZLE



·TPC tungsten core sector nozzle is suitable for high pressure and has exceptional wear resistance.
·TPC nozzle is embedded with a large tungsten steel core spray core to make it have the strongest
wear resistance.
·The inlay is installed in the groove of the stainless steel mouth body to avoid bad damage.
·The nozzle is a high impact plane injection type, and the injection angle is from 5° to 110°.
·The spray effect of the nozzle is uniform distribution of small droplets.
·The edge of the jet surface is gradually reduced to ensure uniform coverage during overlapping injection.
·The grinding surface of the TPC tungsten core fan-shaped nozzle is parallel to the jet surface so that it can be quickly adjusted into a straight jet through vision.

Nozzle Type	Orifice (mm)	Flow Rate Capacity (L/min)				Spray Shape Wide (Distance 30cm) (cm)
		50bar	100bar	150bar	200bar	
1100025	0.33	0.40	0.57	0.70	0.81	42
1100033	0.38	0.53	0.75	0.92	1.1	43
1100039	0.41	0.63	0.89	1.1	1.3	46
1100050	0.46	0.81	1.1	1.4	1.6	48
1100067	0.53	1.1	1.5	1.9	2.2	53
1100080	0.58	1.3	1.8	2.2	2.6	56
11001	0.66	1.6	2.3	2.8	3.2	58
110015	0.79	2.4	3.4	4.2	4.8	63
11002	0.91	3.2	4.6	5.6	6.4	66
11003	1.1	4.8	6.8	8.4	9.7	68
11004	1.3	6.4	9.1	11.2	12.9	71
11005	1.4	8.1	11.4	14.0	16.1	71
11006	1.6	9.7	13.7	16.7	19.3	71
11007	1.7	11.3	16.0	19.5	23	71
11008	1.8	12.9	18.2	22	26	71
11009	1.9	14.5	21	25	29	71
11010	2.0	16.1	23	28	32	71
11012	2.3	19.3	27	33	39	71
950017	0.28	0.27	0.39	0.47	0.55	33
950025	0.33	0.40	0.57	0.70	0.81	36
950033	0.38	0.53	0.75	0.92	1.1	38
950039	0.41	0.63	0.89	1.1	1.3	40
950050	0.46	0.81	1.1	1.4	1.6	43
950067	0.53	1.1	1.5	1.9	2.2	48
950080	0.58	1.3	1.8	2.2	2.6	48
9501	0.66	1.6	2.3	2.8	3.2	53
95015	0.79	2.4	3.4	4.2	4.8	53
9502	0.91	3.2	4.6	5.6	6.4	56
9503	1.1	4.8	6.8	8.4	9.7	56
9504	1.3	6.4	9.1	11.2	12.9	58
9505	1.4	8.1	11.4	14.0	16.1	58
9506	1.6	9.7	13.7	16.7	19.3	58

Nozzle Type	Orifice (mm)	Flow Rate Capacity (L/min)				Spray Shape Wide (Distance 30cm) (cm)
		50bar	100bar	150bar	200bar	
9507	1.7	11.3	16.0	19.5	23	58
9508	1.8	12.9	18.2	22	26	58
9509	1.9	14.5	21	25	29	58
9510	2.0	16.1	23	28	32	58
9511	2.2	17.7	25	31	35	58
9512	2.3	19.3	27	33	39	58
9515	2.5	24	34	42	48	58
800011	0.23	0.18	0.25	0.31	0.35	27
800017	0.28	0.27	0.39	0.47	0.55	29
800025	0.33	0.40	0.57	0.70	0.81	31
800033	0.38	0.53	0.75	0.92	1.1	33
800039	0.41	0.63	0.89	1.1	1.3	36
800050	0.46	0.81	1.1	1.4	1.6	38
800067	0.53	1.1	1.5	1.9	2.2	43
800080	0.58	1.3	1.8	2.2	2.6	43
8001	0.66	1.6	2.3	2.8	3.2	48
80015	0.79	2.4	3.4	4.2	4.8	48
8002	0.91	3.2	4.6	5.6	6.4	48
8003	1.1	4.8	6.8	8.4	9.7	48
8004	1.3	6.4	9.1	11.2	12.9	48
8005	1.4	8.1	11.4	14.0	16.1	48
8006	1.6	9.7	13.7	16.7	19.3	48
8007	1.7	11.3	16.0	19.5	23	48
8008	1.8	12.9	18.2	22	26	48
8009	1.9	14.5	21	25	29	48
8010	2.0	16.1	23	28	32	48
8011	2.1	17.7	25	31	35	48
8012	2.2	19.3	27	33	39	48
8013	2.3	21	30	36	42	48
8014	2.4	23	32	39	45	48
8015	2.5	24	34	42	48	48
730023	0.30	0.37	0.52	0.64	0.74	29
730039	0.41	0.63	0.89	1.1	1.3	33

Filter Mesh Selection Guide	
Equivalent Orifice Size	Recommended Mesh Size
No more than 46mm	200
47mm to 79mm	100
800mm and larger	50

- ORDER INFO:

1/4 – BTT + TPC – SS – 11001 – WGX

1/4	BTT	TPC	SS	11001	WGX
Inlet Conn.	Three-piece combination	Body Type	Material Code	Flow rate	Tungsten steel core

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ALFANOZZLE

T SERIES - THREE PIECE SET

TC - FLAT FAN NOZZLE

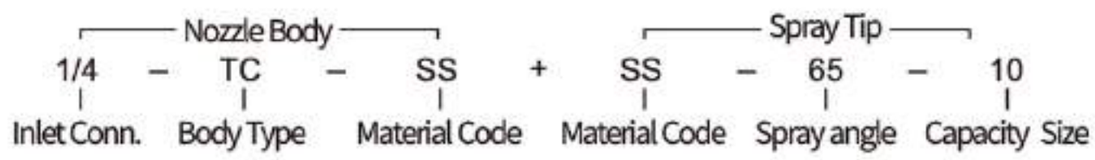
·SprayAngle: 0° (Liquid column flow) - 110°
·Spray Pattern : Flat spray pattern distributes the liquid as a flat - or sheet-type spray.
·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS、SS
·Features : Fast way to install spray tip and adjust angle. Large,unobstructed flow passages minimize clogging. Removable caps and vanes for easy inspection and cleaning on most models.

Applications: ·Fire prevention ·Spray cooling ·Cooling in heat treat process ·Dust control ·Metal treating ·Air cleaning ·Quenching during heat treat process ·Gas cooling & scrubbing

At the stated pressure in bar.

Flat FanNozzle Type								Orifice (mm)	Capacity at 1.0-10.0kg pressure (liters per minute)*							
15°	25°	40°	50°	65°	80°	95°	110°		1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar
1501	2501	4001	5001	6501	8001	9501	11001	0.66	-	0.32	0.39	0.46	0.51	0.56	0.6	0.72
-	-	40015	-	65015	80015	95015	110015	0.79	-	0.48	0.59	0.68	0.76	0.84	0.9	1.1
1502	2502	4002	5002	6502	8002	9502	11002	0.91	0.46	0.64	0.79	0.91	1	1.1	1.2	1.4
1503	2503	4003	5003	6503	8003	9503	11003	1.1	0.68	0.97	1.2	1.1	1.5	1.7	1.8	2.2
1504	2504	4004	5004	6504	8004	9504	11004	1.3	0.91	1.3	1.6	1.8	2	2.2	2.4	2.9
1505	2505	4005	5005	6505	8005	9505	11005	1.4	1.1	1.6	2	2.3	2.5	2.8	3	3.6
1506	2506	4006	5006	6506	8006	9506	11006	1.6	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3
1508	2508	4008	5008	6508	8008	9508	11008	1.8	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8
1510	2510	4010	5010	6510	8010	9510	11010	2	2.3	3.2	3.9	4.6	5.1	5.6	6	7.2
1515	2515	4015	5015	6515	8015	9515	11015	2.4	2.4	4.8	5.9	6.8	7.6	8.4	9	10.8
1520	2520	4020	5020	6520	8020	9520	11020	2.8	2.8	6.5	7.9	9.1	10.2	11.2	12.1	14.4
1530	2530	4030	5030	6530	8030	9530	11030	3.6	3.6	9.7	11.8	13.7	15.3	16.7	18.1	22
1540	2540	4040	5040	6540	8040	9540	-	4	4	12.9	15.8	18.2	20	22	24	29
1550	2550	4050	5050	6550	8050	9550	-	4.4	4.4	16.1	19.7	23	25	28	30	36
1560	2560	4060	5060	6560	8060	9560	-	4.8	4.8	19.3	24	27	31	33	36	43
1570	2570	4070	5070	6570	8070	9570	-	5.2	5.2	23	28	32	36	39	42	50

- ORDER INFO:



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ALFANOZZLE

T SERIES - THREE PIECE SET

TBL - FLAT FAN BLOWING

TBL

External Thread Base

Blowing Flat Fan Nozzle

Screw Cap

·Spray Angle : 90°
·Spray Pattern : Flat spray pattern distributes the liquid as a flat - or sheet-type spray.
·Drops : Small,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS、SS
·Features : Split type, can quickly install the nozzle, adjust the Angle.
Liquid air dual use, suitable for a variety of occasions.
An open flow channel minimizes clogging as much as possible.
The nozzle body can be used repeatedly, only need to replace the nozzle, easy maintenance and cleaning.

Applications: ·Spray cooling ·Air cleaning ·Quenching during heat treat process ·Gas cooling & scrubbing ·Cooling in heat treat process
·Dust control ·Metal treating

Inlet Conn. (in.)		Spray Angle	Capacity Size	Slot width (mm)	Capacity for Air at 0.2-7kg pressure (liters per minute)*					Capacity for Steam at 0.2-7kg pressure (liters per minute)*				
1/4	3/8				1bar	2bar	3bar	5bar	7bar	1	2	3	5	7
●		90°	150	0.2	77.6	116	154	230	307	3.56	5.27	6.97	10.3	13.7
●		90°	200	0.3	102	152	202	302	402	4.67	6.92	9.14	13.6	17.9
●		90°	250	0.4	126	188	250	374	498	5.78	8.57	11.3	16.8	22.2
●		90°	300	0.5	150	224	298	446	594	6.9	10.2	13.5	20	26.5
●		90°	350	0.6	175	261	346	518	690	8	11.9	15.7	23.2	30.7
●		90°	400	0.7	199	297	394	590	768	9.12	13.5	17.9	26.5	35
●		90°	450	0.8	223	333	443	662	882	10.2	15.2	20.2	29.7	39.3
		90°	500	0.9	247	369	491	734	977	11.3	16.8	22.2	32.9	43.5
	●	90°	550	0.6	278	414	551	823	1096	12.7	18.8	24.9	36.9	48.8
	●	90°	600	0.7	305	455	605	905	1205	14	20.7	27.4	40.6	53.7
	●	90°	650	0.8	328	489	650	972	1295	15	22.3	29.4	43.6	57.7
	●	90°	700	0.8	353	526	700	1047	1394	16.2	24	31.7	46.9	62.1
	●	90°	750	0.9	380	566	753	1126	1500	17.4	25.8	34.1	50.5	66.8
	●	90°	900	1.1	454	677	901	1347	1794	20.8	30.8	40.7	60.4	79.9
		90°	1130	1.4	566	844	1122	1678	2235	25.9	38.4	50.8	75.2	99.5

- ORDER INFO:

1/4BTT (Inlet Conn.) + TBL (Body Type) – SS (Material Code) – 150 (Capacity Size)

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ALFANOZZLE

M SERIES - ADJUSTABLE BALL TYPE

155M - CLIP TYPE

155M

155M Body

155MG

1552M Detachable

155MGL

Detachable

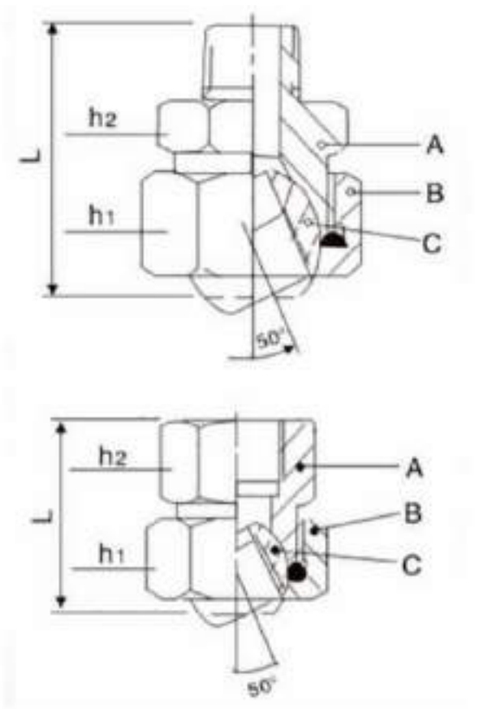
155MH

One Shape

·Spray Angle : 0°-144°(based on nozzle type)
.Total adjustment rotation angle: 50°
·Spray Pattern :Solid cone- shaped spray pattern or hollow cone- shaped spray pattern or flat fan spray pattern or square spray pattern. (Based on nozzle type)
·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS、SS
.Maximum Pressure : 21 bar.
·Features : Fast way to install spray tip and adjust angle.
Adjustable swivel ball provides a quick change direction. Removable caps and vanes for easy inspection and cleaning on most models.
It has large internal passages to minimize clogging.

Applications: ·Water aerating ·Dust control ·Fire prevention ·Metal treating ·Spray cooling ·Gas cooling & scrubbing

Thread	Nozzle Type	Bottom Connect size (inch)	Outside size (mm)			Gross Weight(gr.)	
			L	h_1	h_2	BRASS	SUSS
Connect Size (Male)	155M	1/8	32	22	21	60	56
	155M	1/4	36	22	21	65	60
	155M	1/4	39	29	24	110	110
	155M	3/8	40	29	24	115	105
	155M	3/8	47	35	30	205	190
	155M	1/2	54	41	41	350	325
	155M	3/4	61	50	46	525	490
Connect Size (Female)	155M	1/8	28	22	21	69	63
	155M	1/4	28	22	21	63	58
	155M	1/4	33	29	24	120	110
	155M	3/8	33	29	24	110	100
	155M	3/8	44	35	30	235	220
	155M	1/2	48	41	41	405	375
	155M	3/4	55	50	46	600	560



A Bottom B Cap C Ball

. Connector Size (inch) 1/8 x Outlet size (inch) 1/8
. Connector Size (inch) 1/4 x Outlet size (inch) 1/8 or 1/4
. Connector Size (inch) 3/8 x Outlet size (inch) 1/4 or 3/8
. Connector Size (inch) 1/2 x Outlet size (inch) 1/4 or 3/8 or 1/2
. Connector Size (inch) 3/4 x Outlet size (inch) 3/4

- ORDER INFO:

Nozzle Body — Spray Tip

3/8 – 155M – SS + CT6540 – 3/8 – SS

Inlet Conn. | Body Type | Material Code | Tip Type | Inlet Conn. | Material Code

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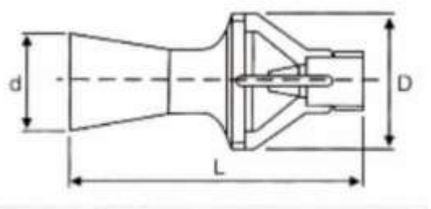
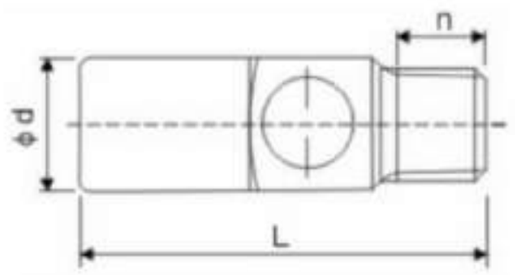
TYPE H - EDUCTOR



·Material : SS、PP
·Features: Circulation turbulent movement, improve the effection of solution mixing.
Realize solution without air mixing, reduce solution oxidation decomposition. Plastic can withstand high temperatures up to 120 degrees ;Stainless steel resistant to high temperature.
According to the gravity principle of Berboulli jet, the working jet and the attracted liquid are mixed and diffused in a ratio of 1:4.

Type	Inlet Conn. (Inch)	L (mm)	D (mm)	d (mm)	Flow Rate Capacity L / Min				
					1	1.5	2	3	4
H40	1/4	70	30	23	15	18	21	26	30
H60	3/8	115	50	38	34	42	48	59	68
H90	1/2	115	50	38	34	42	48	59	68
H130	3/4	165	65	50	64	78	90	110	127

TYPE E



·Material : SS、PP
·Features: Cyclic turbulent motion improves the mixing effect of solution.
The working jet and the attracted liquid are mixed and diffused in a ratio of 1:4. To realize the solution without air mixing, reduce the solution oxidation decomposition.
It is suitable for liquid stirring in the tank to improve the effect of liquid plating and etching.

Applications: ·Etched in liquid ·Electroplating solution stirring. Liquid cleaning. ·Stir the liquid in the tank

SIZE & WEIGHT

Series	Thread Specification	Overall dimension (mm)			Foreign body path (mm)	Weight (kg)
		L	Φd	n		
E	1/8"	30	11	7	1.5	0.001
	1/4"	48	16	10.5	2.8	0.003

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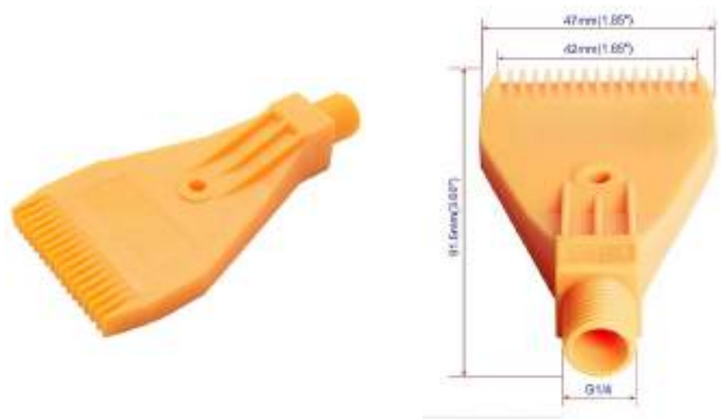
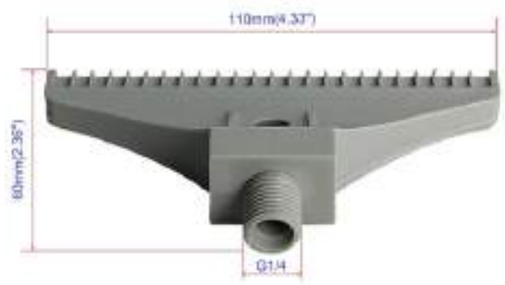
ALFANOZZLE

F SERIES

F - PP - 47 - MALE



F - PP - 110



F - PP

Standard Plastic Air Shower Nozzle

F973 - SS

Standard Stainless Steel Air Shower Nozzle

F - ALMA

FCH - SS

One-piece duck bill Air Shower Nozzle

F010 - SS

Double row Air Shower Nozzle

F703 - SS

Solid Air Shower Nozzle

·Material : ALMA, BRASS, SS, PP , ABS
·Features : High impact sector air flow;
Plastic material can withstand pressure of 7 Bar, temperature resistance up to 77 degrees;
Aluminum alloy material can withstand pressure of 30 Bar, temperature resistance up to 250 degrees;
The connection is 1/4 BSPT external thread. (If you need other interfaces, use adapters, etc.)
Nozzle design ensures low noise, low consumption and high airflow impact.

Applications: ·Parts cooling ·Moving of materials ·Parts drying ·Paper injection ·Parts cleaning

DUCK BILL NOZZLE:
.Thread size: 1/4, 3/8", 1/2", 3/4
.Material: PP
*Pressure: Max. 7 Bar
.Operating Temperature: Max.80°C

Applications: Drying, cooling, blow off, moving the materials, sweeping, air streaming

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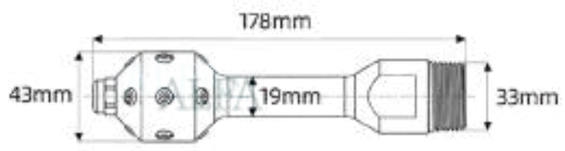
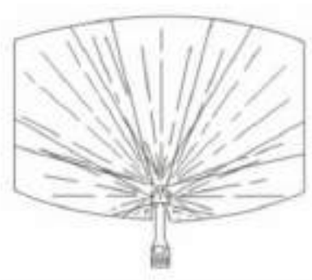
ALFANOZZLE

FIXED TYPE

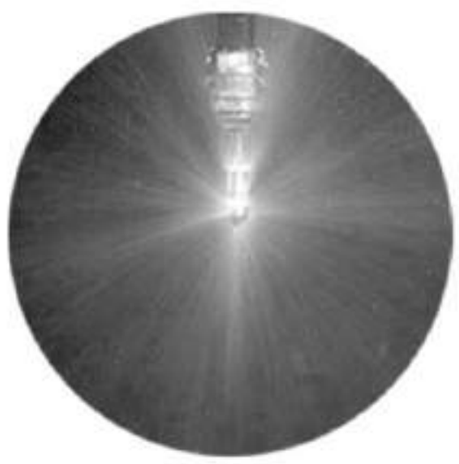
FIXED TYPE FOR TANK DIAMETER 3 - 4 METERS

F1602





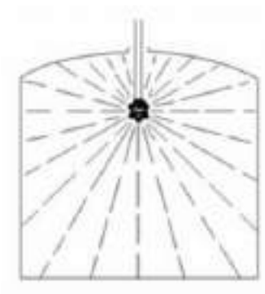
1" NPT or BSPT (M)

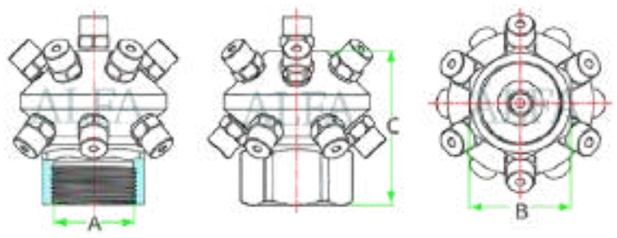


·Maximum Operating Temperature : 93°C-177°C
.WorkingPressure : 1-10 Bar
.Flow Rate : 23-67 L/min
.Thread Size : 1"
·Spray Impact Area : 360°
·Material : SS、BRASS
.15 pieces and 21 pieces of full cone nozzle tips are for your choices
·Features : Fixed and used for tank diameter 3-4 meters.
Nozzles tip fixed, clean the small tank is better ,
different jet to spray, spray cover area and shape is different. Durable and corrosion resistant design.

Applications: ·Tank Cleaning ·Bucket Cleaning ·Container Cleaning ·Drum Barrel Cleaning ·Pipeline Cleaning

F6713





A (BSPT/NPT) : 1-1/2
B (HEX) : 12
C (mm) : 86.5

·Spray Impact Area:180° (upward or down ward) or 360°
·Capacity/Pressure Range : 280-415 L/min; 1.5-3 bar
.Spray Pattern : Cone spray
·Material : SS
·Features : Fixed and used for tank diameter 3m-4m
.Thread Size : 1-1/2" Female - BSPT/ NPT
.Component : 13 nozzle connecting parts (fan or cone tip can be selected according to actual needs, 1-13 plug and spray head devices can be provided
Nozzles tip fixed, clean the small tank is better , different jet to spray, spray cover area and shape is different.
Durable and corrosion resistant design.

Applications: ·Tank Cleaning ·Bucket Cleaning ·Container Cleaning ·Drum Barrel Cleaning ·Pipeline Cleaning

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ALFANOZZLE

ROTARY TYPE

ROTARY TYPE FOR TANK DIAMETER 0.8 - 3 METERS

R2405

·Maximum Operating Temperature : 95°C
.Spray Pattern : Flat fan
·Spray Impact Area : 360° Rotating Head
.Thread Size : 3/8" - 2" Female Thread. BSPT/ NPT. Clamp type is with 38 mm and 51 mm
.Working Pressure : 1-5 bar
·Capacity/Pressure Range : 20-165 L/min
·Material :SS
·Features : Rotating tank washing, used for the interior of small tank and barrel with diameter up to 3.0 m

Applications: ··Bucket cleaning ·Pipeline cleaning ·Chemical container cleaning ·Food processing tank cleaning ·Drug processing tank cleaning

ROTARY TYPE FOR TANK DIAMETER 2.4 METERS

R2401

·Maximum Operating Temperature : 93°C-177°C
·Spray Impact Area : 180° or 360°
·Capacity/Pressure Range : 14-79 L/min
·Material :SS
·Features : Rotating tank washing, used for the interior of small tank and barrel with diameter up to 2.4 m.
Precise installation and positioning of jet holes, which can cover all surfaces in tank during injection.
It can be installed in both vertical and horizontal positions.

Applications: ·Bucket cleaning ·Pipeline cleaning ·Chemical container cleaning ·Food processing tank cleaning ·Drug processing tank cleaning

R2403

·Maximum Operating Temperature : 93°C-177°C
·Spray Impact Area : 180° or 360°
·Capacity/Pressure Range : 23-205 L/min
·Material :SS
·Features : Rotating tank washing, used for the interior of small tank and barrel with diameter up to 2.4 m.
Precise installation and positioning of jet holes, which can cover all surfaces in tank during injection.
It can be installed in both vertical and horizontal positions.

Applications: ·Bucket cleaning ·Pipeline cleaning ·Chemical container cleaning ·Food processing tank cleaning ·Drug processing tank cleaning

R2401

Nozzle Type	Flow Rate Capacity (L/min)							
	1.5bar	3bar	4bar	5bar	6bar	8bar	10bar	12bar
R2401-2-HSS-5	14	19.7	23	25	28	32	36	39
R2401-2-HSS-8	22	32	36	41	45	52	58	63
R2401-3-HSS-5.7	15.9	22	26	29	32	37	41	45
R2401-3-HSS-7	19.5	28	32	36	39	45	50	55
R2401-3-HSS-10	28	39	46	51	56	64	72	79

R2403

Nozzle Type	Flow Rate Capacity (L/min)					
	1bar	1.5bar	2bar	2.5bar	3bar	4bar
R2403-HSS-10	23	28	32	36	39	46
R2403-HSS-18	41	50	58	65	71	82
R2403-HSS-21	48	59	68	76	83	96
R2403-HSS-45	103	126	145	162	178	205

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ALFANOZZLE

ROTARY TYPE

ROTARY TYPE FOR TANK DIAMETERS UP TO 5 - 20 METERS

R20

·360° no dead Angle cleaning design, through horizontal and vertical rotation to achieve 360° coverage;
·Using medium driven design, cleaning liquid driven vortex rotation to achieve horizontal and vertical rotation;
·In the cleaning process, it can clean itself and lubricate itself through the cleaning liquid.

R5501

3/4",1",1-1/2 DN20,DN25 or DN40
Hygienic Pipe Nozzle

·Maximum Operating Temperature : 93°C
·SprayImpactArea: 180(° upwardordownward),270°or360°
·Capacity/Pressure Range : 34-384 L/min; 0.7-3.5 bar
·Material : PTFE
·Features : Rotating and used for the interior of small tank and container with diameter up to 5.5 meters .It works well.
No thread,tapered design facilitates self-draining and prevents the formation of nozzle effusion.The material contains fluoropolymer resin, suitable for corrosive chemical cleaning agent.

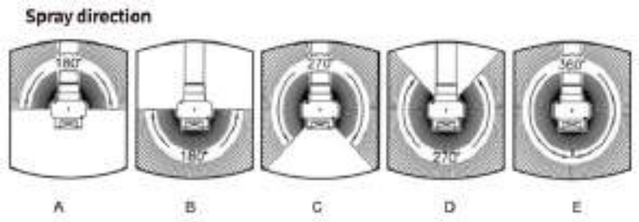
Applications: ·Chemical container cleaning ·Drug processing tank cleaning ·Food processing tank cleaning

ROTARY TYPE FOR TANK DIAMETER 3 - 7.6 METERS

R7601

1/2-3"NPT or BSPT

·Maximum Operating Temperature : 93°C
·SprayImpactArea: 180° (upward or downward), 270°or360°
·Capacity/Pressure Range : 15-1490L/min;0.7-3.5bar
·Material : SS、BRASS、PVDF, PTFE
·Features : Rotating and used for the interior of small tank and container with diameter up to 7.6 meters .The material is fluoropolymer resin with with corrosion resistance and long service life. Meet low pressure requirements for cleaning and rinsing.



Applications: ·Chemical container cleaning ·Container cleaning ·Mixing tank cleaning

Interface Size	Capacity Code	Flow Rate Corresponding To Different Pressures (liters per minute)*								Maximum Spray Distance
		0.5bar	0.7bar	1bar	1.5bar	2bar	2.5bar	3bar	3.5bar	
1/2''	8	13	15	18	22	26	29	32	34	3m
3/4''	18	29	34	41	50	58	65	71	77	4.5m
	23	37	44	53	64	74	83	91	99	
	32	52	61	73	90	104	116	127	137	
	33	53	63	76	93	106	119	131	141	
	46	74	88	105	129	149	166	182	197	
1''	50	81	96	114	140	162	181	198	214	5.5m
	53	86	102	121	149	172	192	210	227	
	70	113	135	160	196	227	253	278	300	
	90	146	172	206	252	291	326	357	385	
2''	100	162	192	229	280	324	362	196	428	6m
	125	202	239	286	350	405	452	496	535	
	150	243	287	343	421	486	543	595	642	
	175	283	335	401	491	567	633	693	749	
	200	323	383	457	560	647	723	792	856	
3''	250	404	478	572	700	809	904	991	1070	7.5m
	300	485	574	686	841	971	1085	1189	1284	
	350	566	670	801	981	1133	1266	1387	1498	

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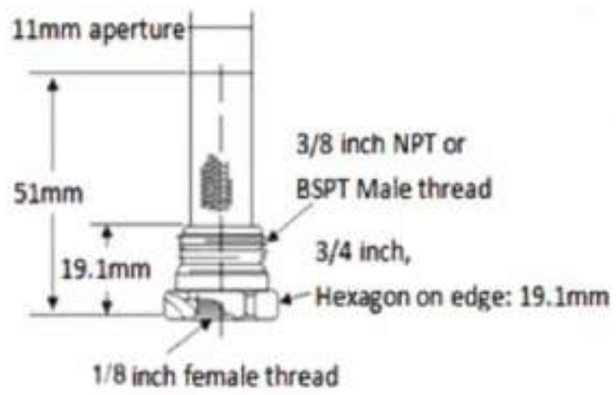
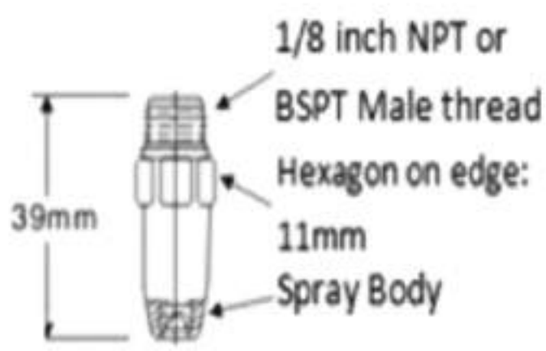
ALFANOZZLE

HIGH PRESSURE NEEDLE NOZZLE

P1070



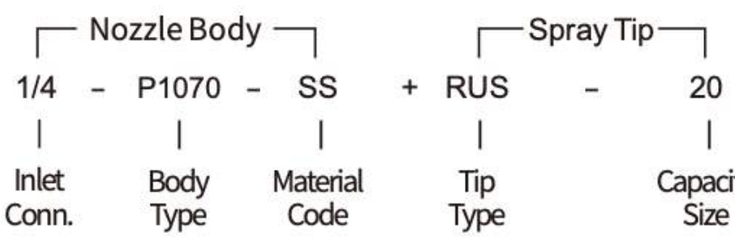


·Material : SS、BRASS
·Features: Used for cutting edge of paper, precise and clean.
It can withstand up to 140 bar of pressure, and the nozzle is made of a variety of materials, 316SS、ruby core, tungsten alloy, ceramic and so on.

Applications: ·High pressure swing cleaning of the net
·Press section blanket high pressure swing cleaning
·Blind roll cleaning
·Groove cleaning

Nozzle Type	No.	Orifice (mm)	Flow Rate Capacity (L/min)									
			7bar	10bar	20bar	30bar	40bar	50bar	60bar	70bar	100bar	138bar
P1070	15	0.38	0.17	0.21	0.29	0.36	0.41	0.46	0.5	0.54	0.65	0.76
P1070	20	0.51	0.31	0.36	0.52	0.63	0.73	0.82	0.89	0.96	1.2	1.4
P1070	25	0.64	0.48	0.57	0.81	0.99	1.1	1.3	1.4	1.5	1.8	2.1
P1070	30	0.76	0.69	0.82	1.2	1.4	1.6	1.8	2	2.2	2.6	3.1
P1070	35	0.89	0.93	1.1	1.6	1.9	2.2	2.5	2.7	3	3.5	4.2
P1070	40	1.0	1.2	1.5	2.1	2.5	2.9	3.3	3.6	3.9	4.6	5.4
P1070	45	1.1	1.5	1.9	2.6	3.2	3.7	4.1	4.5	4.9	5.8	6.9
P1070	50	1.3	1.9	2.3	3.2	4	4.6	5.1	5.6	6	7.2	8.5
P1070	60	1.5	2.8	3.3	4.6	5.7	6.6	7.3	8	8.7	10.4	12.2

ORDER INFO:



REPLACEABLE PARTS:

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ALFANOZZLE

HIGH PRESSURE NEEDLE NOZZLE

PN2070 - SS

SS Normal Type

PN2070 - RUS

Standard Ruby Inset

PN2070 - SIS

Standard Ceramic Inset

PN2071 - SS

Standard Longer SS Type

PN2071 - RUS

Longer with Ruby Inset

PN2071 - SIS

Longer with Ceramic Inset

·Material : SS
·Features: High impact cleaning. It can be used with swing spray bar, and can be interchangeable with other needle nozzles, and the nozzle is made of a variety of materials, SS、ruby core, tungsten alloy, ceramic and so on.

Applications: ·Net washing ·Machine washing ·Blind hole roll cleaning ·Blanket cleaning .Cage cleaning .Grooved roll cleaning .Fabric cleaning

Nozzle Type						Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)							
PN2070			PN2071												
Material			Material					3bar	5bar	7bar	15bar	30bar	40bar	50bar	60bar
316SS	SIS	RUS	316SS	SIS	RUS										
●	●	●	●	●	●	1P	0.8	0.54	0.7	0.83	1.22	1.73	2	2.23	2.45
●						2P	0.84	0.62	0.81	0.95	1.4	2	2.4	2.7	2.9
●	●	●	●	●	●	3P	0.9	0.6	0.89	1.05	1.55	2.19	2.53	2.83	2.1
●	●	●	●	●	●	4P	1	0.85	1.1	1.3	1.91	2.7	3.21	3.49	3.83
●						5P	1.02	0.89	1.1	1.4	2	2.8	3.2	3.6	3.9
●	●	●	●	●	●	6P	1.2	1.23	1.59	1.88	2.75	3.9	4.5	5.03	5.51
●						7P	1.4	1.6	2.1	2.4	3.6	5	5.8	6.5	7
●	●	●	●	●	●	8P	1.5	1.92	2.48	2.94	4.3	6.09	7.03	7.86	8.61
●						9P	1.78	2.7	3.5	4.2	6.1	8.8	10	11	13
●	●	●	●	●	●	10P	1.8	2.77	3.58	4.23	6.2	8.77	10.1	11.3	12.4
●	●	●	●	●	●	11P	2	3.42	4.42	5.23	7.66	10.8	2.5	13.9	15.3
●						12P	2.39	4.5	5.9	7	10	15	18	20	22
●						13P	3.18	7.3	9.6	11	17	25	30	33	37

ORDER INFO:

Nozzle Body — Spray Tip

1/4 – P2070 – SS + RUS – 1P

1/4	P2070	SS	RUS	1P
Inlet Conn.	Body Type	Material Code	Tip Type	Capacity Size

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ALFANOZZLE

SLICE HIGH PRESSURE NEEDLE NOZZLE

PN3070 - SS

Stainless steel body

PN3070 - RUS/SIS

Ceramic or ruby core

PNH3071 - RUS

Ruby core and gasket

PN3071 - RUS

Ruby core

·Spray angle: 0°(stream)
·Material: SS
·Features: Wafer high pressure needle nozzle.
Apply to blind hole roll cleaning blanket cleaning . Net cleaning .Grooved roll cleaning .Cage cleaning
.

PN3070 - SS SS ONE - PIECE

Nozzle Type	Orifice (mm)	Flow Rate Capacity (L/min)					Spray Angle at 4 bar
		1.5bar	3bar	7bar	20bar	55bar	
PN3070-SS-00004	0.3	0.11	0.16	0.24	0.41	0.68	0°
PN3070-SS-00007	0.4	0.2	0.28	0.42	0.71	1.2	
PN3070-SS-00009	0.5	0.25	0.36	0.54	0.92	1.5	
PN3070-SS-0001	0.6	0.36	0.51	0.78	1.3	2.2	
PN3070-SS-0002	1	0.64	0.91	1.4	2.3	3.9	
PN3070-SS-0003	1.2	0.92	1.3	2	3.4	5.6	
PN3070-SS-0004	1.5	1.2	1.7	2.6	4.4	7.3	
PN3070-SS-0008	1.9	2.2	3.1	4.8	8.1	13.4	
PN3070-SS-0012	2.4	3.5	4.9	7.5	12.6	21	
PN3070-SS-0020	3.2	5.5	7.8	11.9	20	33	

PN3070 - SIS CERAMIC CORE TYPE

Nozzle Type	Orifice (mm)	Flow Rate Capacity (L/min)					Spray Angle at 4 bar
		1.5bar	3bar	7bar	20bar	55bar	
PN3070-SIS-00005	0.5	0.14	0.20	0.31	0.52	0.86	0°
PN3070-SIS-00008	0.64	0.22	0.31	0.45	0.81	1.34	
PN3070-SIS-00010	0.76	0.32	0.45	0.69	1.16	1.93	
PN3070-SIS-00015	0.9	0.43	0.61	0.94	1.58	2.62	
PN3070-SIS-00020	1.0	0.56	0.80	1.22	2.06	3.42	
PN3070-SIS-00025	1.1	0.72	1.01	1.54	2.61	4.33	
PN3070-SIS-00030	1.3	0.88	1.25	1.91	3.22	5.34	
PN3070-SSCER-00045	1.5	1.27	1.80	2.75	4.64	7.7	

PN3070 - RUS RUBY CORE TYPE

Nozzle Type	Inch
PN3070-RUS-00003	0.015"(0.38mm)
PN3070-RUS-00005	0.020"(0.51mm)
PN3070-RUS-00008	0.025"(0.64mm)
PN3070-RUS-00011	0.030"(0.76mm)
PN3070-RUS-00015	0.035"(0.89mm)
PN3070-RUS-00020	0.040"(1.02mm)
PN3070-RUS-00025	0.045"(1.14mm)

PNH3071 - RUS RUBY CORE TYPE

Nozzle Type	Inch
PNH3071-RUS-00003	0.015"(0.38mm)
PNH3071-RUS-00005	0.020"(0.51mm)
PNH3071-RUS-00008	0.025"(0.64mm)
PNH3071-RUS-00011	0.030"(0.76mm)
PNH3071-RUS-00015	0.035"(0.89mm)
PNH3071-RUS-00020	0.040"(1.02mm)
PNH3071-RUS-00025	0.055"(1.14mm)

ORDER INFO:

PN3070 – SS – 00004
| | |
Nozzle Type Material Code Capacity Size

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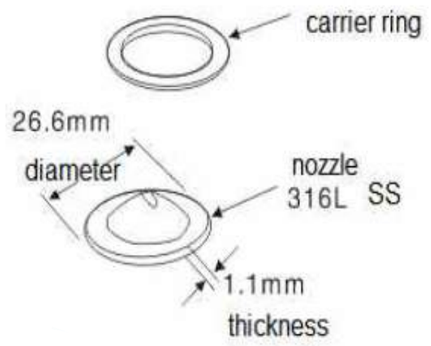
ALFANOZZLE

SLICE HIGH PRESSURE NEEDLE NOZZLE

PC1080



·Spray angle: 0° (stream) - 75°
·Material: SS
·Features: It is suitable for use when space is limited and the height of spray rod and net is small.
Apply to low-pressure fan cleaning and scraper type stream and lubrication.

Nozzle Type				Orifice (mm)	Flow Rate Capacity(L/min)				
0°	30°	60°	75°		1.5bar	3bar	7bar	20bar	55bar
0002	-	6002	7502	1.0	0.64	0.91	1.4	2.3	3.9
0003	-	6003	7503	1.2	0.92	1.3	2.0	3.4	5.6
0004	-	6004	7504	1.5	1.2	1.7	2.6	4.4	7.3
0006	-	6006	7506	1.8	1.7	2.4	3.7	6.2	10.3
0008	-	6008	7508	2.0	2.2	3.1	4.8	8.1	13.4
0010	-	6010	7510	2.2	2.8	4.0	6.2	10.4	17.2
-	3012	6012	7512	2.5	3.5	4.9	7.5	12.6	21
-	3016	6016	7516	2.8	4.5	6.3	9.7	16.4	27
-	3020	6020	7520	3.0	5.5	7.8	11.9	20	33
-	3025	6025	7525	3.5	7.2	10.1	15.5	26	43
-	3031	6031	7531	4.0	8.8	12.4	18.9	32	53
-	3040	6040	7541	4.5	11.3	15.9	24	41	68
-	3049	6049	7549	5.0	13.7	19.4	30	50	83
-	3078	6078	7578	6.0	22	31	48	81	133
-	3099	6099	7599	7.0	28	39	60	101	167
-	30124	60124	75124	8.0	35	49	75	126	210

ORDER INFO:

PC1080	–	SS	–	60	–	02
|		|		|		|
Nozzle Type		Material Code		Spray Angle		Capacity Size

°

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ALFANOZZLE

PLASTIC NOZZLES

QUICK - RELEASE FULL CONE NOZZLE

ORDER INFO:

QB1 – 1/4 – PP
| | |
Inlet Conn. Nozzle Type Material Code

Nozzle Type	Flow Rate Capacity(L/min)										Spray Angle (°)*		
	0.5bar	0.7bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
QB1	0.25	0.38	0.54	0.62	0.74	0.85	0.94	1	1.1	1.3	-	58	53
QB2	0.65	0.76	1	1.2	1.5	1.7	1.9	2	2.2	2.6	43	50	46
QB3	0.98	1.1	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52	65	59
QB3.5	1.1	1.3	1.9	2.2	2.6	3	3.3	3.6	3.9	4.5	43	50	46
QB5	1.6	1.9	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52	65	59
QB6.5	2.1	2.5	3.5	4	4.8	5.5	6.1	6.7	7.1	8.4	45	50	46
QB10	3.3	3.8	5.4	6.2	7.4	8.5	9.4	10.2	11	13	58	67	61

QUICK - RELEASE FLAT FAN NOZZLE

ORDER INFO:

QC5001 – 1/4 – PP
| | |
Inlet Conn. Nozzle Type Material Code

Nozzle Type (spray angle at 3 bar)					Flow Rate Capacity (L/min)								
55°	65°	80°	95°	110°	0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	14bar
QC5001	QC6501	QC8001	QC9501	QC11001	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.6	0.85
QC5002	QC6502	QC8002	QC9502	QC11002	0.25	0.45	0.64	0.79	0.91	1	1.1	1.2	1.7
QC5003	QC6503	QC8003	QC9503	QC11003	0.37	0.69	0.97	1.2	1.4	1.5	1.7	1.8	2.6
QC5004	QC6504	QC8004	QC9504	QC11004	0.5	0.92	1.3	1.6	1.8	2	2.2	2.4	3.4
QC5005	QC6505	QC8005	QC9505	QC11005	0.62	1.1	1.6	2	2.3	2.5	2.8	3	4.3
QC5006	QC6506	QC8006	QC9506	QC11006	0.75	1.3	1.9	2.4	2.7	3.1	3.3	3.6	5.1
QC5008	QC6508	QC8008	QC9508	QC11008	1	1.8	2.6	3.2	3.6	4.1	4.5	4.8	6.8
QC5010	QC6510	QC8010	QC9510	QC11010	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6	8.5
QC5015	QC6515	QC8015	QC9515	QC11015	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9	12.8
QC5020	QC6520	QC8020	QC9520	QC11020	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	17.1
QC5030	QC6530	QC8030	QC9530	QC11030	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	26

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QUICK-RELEASE FLAT FAN NOZZLE

2818-PP 2828-PP 2848-PP

·Spray angle : 25°-110°
·Spray Pattern : Flat spray pattern distributes the liquid as a flat - or sheet-type spray.
·Material : F4/PP/PVC/PVDF/SS(nozzle tip);PVC/PP/PCDF(nozzle body)
·Features : Standard quick connected spray nozzle Assemblies:nozzle body,spray tip,seal,cap.

Model 2818 offers Φ16mm welded base, access size 1/2"", 3/8"" BSPT/NPT;
Lower cost and more choices of materials.Fast and easy installation.

Outlet Conn.			Flat Fan Nozzle Type				Capacity at 1.0-10.0kg pressure							
16	3/8	1/4	65°	80°	95°	110°	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar
●			6502	8002	9502	11002	0.46	0.64	0.79	0.91	1	1.1	1.2	1.4
●			6504	8004	9504	11004	0.91	1.3	1.6	1.8	2	2.2	2.4	2.9
●			6506	8006	9506	11006	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3
●			6508	8008	9508	11008	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8
●			6510	8010	9510	11010	2.3	3.2	3.9	4.6	5.1	5.6	6	7.2
●			6515	8015	9515	11015	3.4	4.8	5.9	6.8	7.6	8.4	9	10.8
●			6520	8020	9520	11020	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4
●			6530	8030	9530	11030	6.8	9.7	11.8	13.7	15.3	16.7	18.0	22.0

SPLIT HOLE QUICK RELEASE NOZZLE

KC-01
(11/4inch Pinch)

KC-02
(1/2inch Pinch)

KC-03
(3/4inch Pinch)

KC-04
(3/4inch Pinch)

JK Series
(3/4inch Pinch)

Metal Clip connector

Body Type	To Clamp On		Outside Conn. NPT & BSPT				Material			Maximum Pressure (bar)	Capacity at Maximum Pressure (L/min)	Dimensions				Net Weight (kg)
	PipeSize (in.)	Outside Dia. Tubing(mm)					A	B	C			A (mm)	B DrillHole Dia. (mm)	C BodyInlet Dia. (mm)	D (mm)	
7521	1/2	20-22	1/8	1/4	-	-	●	●	●	17	11	48	7.1	4.8	17.5	0.06
	3/4	25-27	1/8	1/4	-	-	●	●	●			54				
	1	32-35	1/8	1/4	-	-	●	●	●			57				
8370	1-1/4	39-43	-	1/4	3/8	1/2	●	●	●	9	45	70	17.5	11.1 or 14.3	20	0.17
	1-1/2	44-51	-	1/4	3/8	1/2	●	●	●			81				
	2	54-60	-	1/4	3/8	1/2	●	●	●			88				

·Material : SS/BRASS.PP(nozzle tip);SS/PP(nozzle body)
·Features : The tube sizes:3/8", 1/2", 3/4",1",1/2", 3/4"
Fast and easy installation.

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ALFANOZZLE

PLASTIC NOZZLES

MATERIAL	PP
THREAD SIZE	1/8" , 1/4"
FLOW RATE	1.6 - 3.4 L/H (REFERENCE: 3 L/H AT 2 BAR)
WATER PRESSURE	3 - 14 BAR
SPRAY ANGLE	80 - 90 DEGREE
ATOMIZED PARTICLE SIZE	20 - 40 MICRON
FEATURES	ANTIDRIP. INSIDE FILTER . HOLLOW CONE
COVERAGE AREA	3 - 4 M²
COOLING CAPACITY	5 - 10 °C
APPLICATIONS	DISINFECTION. LOW-PRESSURE FOGGING. HUMIDIFYING. GREENHOUSE IRRIGATION. PESTICIDE SPRAYING. COOLING.

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PLASTIC NOZZLES

4-WAY FOGGER IRRIGATION NOZZLE

	ITEM NO	DIAMETER (mm)	DISCHARGE (L/h)	WORKING PRESSURE (Bar)	SPRAYING RADIUS (m)
	MJ40B	0.6	32	2-3	1
	MJ40C	0.5	27	2-3	1
	MJ40D	0.4	22	2-3	1

FEATURES:

- HIGH WATER DISTRIBUTION UNIFORMITY AND COVERAGE
- RECOMMENDED WORKING PRESSURE 2 - 3 BAR
- CHEMICAL RESISTANT RAW MATERIALS
- PP NOZZLES AND ANTIDROP + PVC TUBE
- EASY INSTALLATION
- FILTRATION REQUIREMENTS: 130 MICRONS (120 MESH)
- INCREASES GREENHOUSE HUMIDITY
- REDUCES GREENHOUSE TEMPERATURE
- PROVIDES PERFECT CONDITIONS FOR PLANT PROPAGATION
- IT CAN BE USED ALSO FOR PESTICIDE APPLICATION
- FOR COOLING, HUMIDIFYING, SPRAYING , IT IS ENOUGH 3 M. LATERALS AND ROUGHLY 1.5 M BETWEEN HEADS
- MINIMUM HEIGHT ABOVE CROP: 1 M.
- MAX. IMPACT AREA ON LATERAL: 1.2 - 1.3 M
- MAX. DISTANCE OF LATERAL FROM BENCH EDGE: 0.2 - 0.3 M
- DROPLET SIZE AVERAGE ROUGHLY: 60 - 65 MICRON

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ALFANOZZLE

PLASTIC NOZZLES

BB FULL CONE NOZZLE

At the stated pressure in bar.

Inlet Conn.	Capacity Code	Flow Rate Capacity(L/min)							Spray Angel (°)		
		0.7bar	1.5bar	2bar	3bar	4bar	6bar	7bar	0.7bar	1.5bar	6bar
1/8	1.3	0.5	0.7	0.8	0.97	1.1	1.3	1.4	52	65	59
	3	1.1	1.6	1.9	2.2	2.5	3.1	3.3	52	65	59
	4	1.5	2.2	2.5	3.0	3.4	4.1	4.4	52	65	59
	6	2.3	3.2	3.7	4.5	5.1	6.1	6.6	67	75	82
1/4	6	2.3	3.2	3.7	4.5	5.1	6.8	6.6	67	75	82
	8	3.0	4.3	4.9	6.0	6.8	8.2	8.8	58	70	64
3/8	6	2.3	3.2	3.7	4.5	5.1	6.1	6.6	67	75	82
	8	3	4.3	4.9	6.0	6.8	8.2	8.8	58	70	64
	10	3.8	5.4	6.2	7.4	8.5	10.2	11.0	58	70	64

CC FLAT FAN NOZZLE

Inlet Conn.	Spray Angel (°)				Flow Rate Capacity(L/min)								
	65	80	95	120	0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar
1/8	6502	8002	9502	12002	0.25	0.46	0.64	0.79	0.91	1.0	1.1	1.2	1.4
	6503	8003	9503	12003	0.37	0.68	0.97	1.2	1.4	1.5	1.7	1.8	2.2
	6504	8004	9504	12004	0.5	0.91	1.3	1.6	1.8	2.0	2.2	2.4	2.9
	6505	8005	9505	12005	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.6
	6506	8006	9506	12006	0.75	1.4	1.9	2.4	2.7	3.1	3.3	3.6	4.3
	6508	8008	9508	12008	1	1.8	2.6	3.2	3.6	4.1	4.5	4.8	5.8
1/4	6510	8010	9510	12010	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	7.2
	6515	8015	9515	12015	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	10.8
	6520	8020	9520	12020	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	14.4
3/8	6530	8030	9530	12030	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	22

Material : PP/PVC/PTFE/PVDF
Features : Smooth finished surfaces assure leak-proof connections.
High hardness and wear resistance
Lower cost and more choices of materials.
Applications: ·PCB manufacturing ·Quenching during heat treat process ·Gas cooling & scrubbing ·Dust control ·Ash washing ·Etching ·Foam break-up,aeration,deaeration

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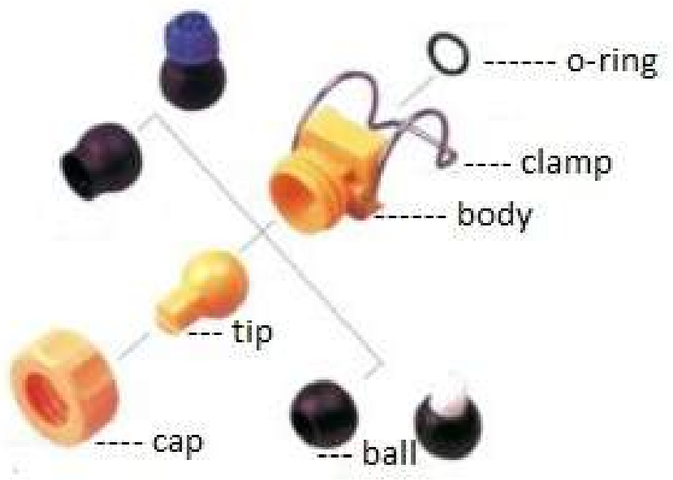
ALFANOZZLE

CLAMP TYPE

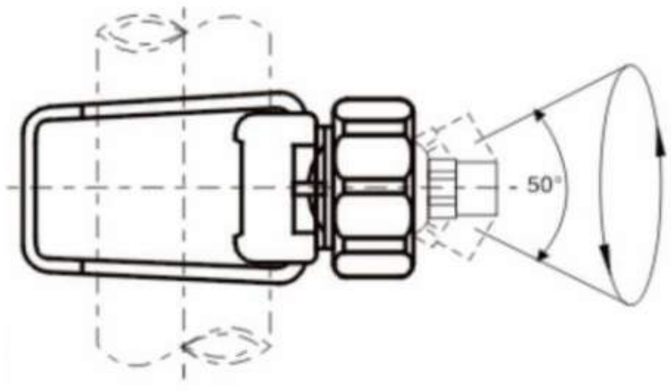
26988 SERIES

155 SERIES



·Two connection types:the clip type(26988, 27988) and the thread type (155 series).
·Hollow cone- shaped spray pattern or solid cone- shaped spray pattern or flat spray pattern.
·Fast and easy installation.

Applications: ··Metal treating ·Degreasing ·Phosphating



· Clip-on nozzle

Type	Clamp Size (inch)	Clamp Outlet Dia. (mm)	Pipe Orifice (mm)
26988	3/4	25-27	14
	1	32-35	14
	1-1/4	38-43	16
	1-1/2	44-51	18
	2	54-60	20

· Thread Spray Size

Type	Thread Size (inch)
155	1/8
	1/4
	3/8
	1/2

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ALFANOZZLE

CLAMP TYPE - M SERIES

26988M SERIES - PP

·Spray Angle : 0°-144°(based on nozzle type)
·Spray Pattern :Solid cone- shaped spray pattern or hollow cone- shaped spray pattern or flat fan spray pattern or square spray pattern .(Based on nozzle type)
·Drops : Small- to medium-size,uniform distribution over a wide range of flow rates and pressure.
·Material : BRASS/SS/PP/PVC/PTFE
·Features : Combines snap-on installation with quick-connect spray tips for fast and easy maintenance.
Available in single or double clamp designs.
Adjustable swivel ball provides a quick change direction.
Removable caps and vanes for easy inspection and cleaning on most models.

Applications: ·Water aerating ·Spray cooling ·Quenching during heat treat process ·Fire prevention ·Cooling in heat treat process ·Dust control ·Metal treating ·Gas cooling & scrubbing

Type	Clamp Size (inch)	Clamp Outlet Dia(mm)	Pipe Orifice (mm)	Threaded Ball Type	Thread Size (inch)
26988M	1	32-35	14	BL1	1/8
	1-1/4	38-43	16	BL2	1/4
	1-1/2	44-51	18	BL3	3/8
	2	54-60	20		

ORDER INFO:

26988	–	1-1/4	–	D14	–	PP	+	CT6520
Body Nozzle Type		Clamp Size		Pipe Opening Size		Material Code		Nozzle type

HOLLOW CONE NOZZLE

Nozzle Type	Flow Rate Capacity (L/min)							Spray Angle (°)		
	0.3bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	0.5bar	1.5bar	4bar
AT15-30.1	6.2	8.8	10.4	12.6	14.5	17.6	20.2	46	49	51
AT25-30.1	7.5	10.7	12.7	15.4	17.6	21.4	24.6	45	47	50
AT55-50.1	13.5	19	22.7	27.8	32	39.2	45.2	38	46	48
AT55-50.3	13.5	19	22.7	27.6	31.8	38.7	44.4	75	75	76

FULL CONE NOZZLE

Nozzle Type	Flow Rate Capacity (L/min)							Spray Angle (°)		
	0.35bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	0.5bar	1.5bar	4bar
BT6	1.6	2.3	2.6	3.2	3.7	4.5	5.1	69	74	68
BT12.5	3.4	4.8	5.4	6.8	7.7	9.3	10.6	69	74	68
BT25	6.7	9.5	10.9	13.5	15.4	18.6	21	64	67	63
BT50	13.5	19.1	21.9	27	31	37	42	91	94	88

FLAT FAN NOZZLE

Spray Tip Type (spray angle at 3 bar)						Flow Rate Capacity (L/min)						
15°	25°	40°	50°	65°	80°	0.3bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar
-	-	-	-	CT6510	CT8010	1.2	1.9	2.3	2.8	3.2	3.9	4.6
-	-	CT4020	CT5020	CT6520	-	2.5	3.8	4.6	5.6	6.5	7.9	9.1
-	CT2530	CT4030	CT5030	CT6530	-	3.7	5.7	6.8	8.4	9.7	11.8	13.7
-	-	CT4040	CT5040	CT6540	CT8040	5.0	7.6	9.1	11.2	12.9	15.8	18.2
CT1550	-	CT4050	CT5050	CT6550	-	6.2	9.5	11.4	14	16.1	19.7	23
-	CT2560	CT4060	CT5060	CT6560	CT8060	7.5	11.4	13.7	16.7	19.3	24	27
CT1570	CT2570	CT4070	CT5070	CT6570	CT8070	8.7	13.3	16.0	19.5	23	28	32
CT15100	CT25100	CT40100	CT50100	CT65100	CT80100	12.5	19.1	23	28	32	39	46

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ALFANOZZLE

CLAMP TYPE - M SERIES

HOLLOW CONE NOZZLE

Nozzle Type	Flow Rate Capacity (L/min)							Spray Angle (°)		
	0.3bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	0.5bar	1.5bar	4bar
AT15-30.1	6.2	8.8	10.4	12.6	14.5	17.6	20.2	45	49	51
AT25-30.1	7.5	10.7	12.7	15.4	17.6	21.4	24.6	45	47	50
AT55-30.1	13.5	19.0	22.7	27.8	32.0	39.2	45.2	38	46	48
AT55-50.3	13.5	19.0	22.7	27.6	31.8	38.7	44.4	75	75	76

FULL CONE NOZZLE

Nozzle Type	Flow Rate Capacity (L/min)							Spray Angle (°)		
	0.3bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	0.5bar	1.5bar	4bar
BT6	1.6	2.3	2.6	3.2	3.7	4.5	5.1	69	74	68
BT12.5	3.4	4.8	5.4	6.8	7.7	9.3	10.6	69	74	68
BT25	6.7	9.5	10.9	13.5	15.4	18.6	21	64	67	63
BT50	13.5	19.1	21.9	27	31	37	42	91	94	88

FLAT FAN NOZZLE

Nozzle Type (spray angle at 3 bar)						Flow Rate Capacity (L/min)						
15°	25°	40°	50°	65°	80°	0.3	0.7	1bar	1.5bar	2bar	3bar	4bar
-	-	-	-	CT6510	CT8010	1.2	1.9	2.3	2.8	3.2	3.9	4.6
-	-	CT4020	CT5020	CT6520	-	2.5	3.8	4.6	5.6	6.5	7.9	9.1
-	CT2530	CT4030	CT5030	CT6530	-	3.7	5.7	6.8	8.4	9.7	11.8	13.7
-	-	CT4040	CT5040	CT6540	CT8040	5.0	7.6	9.1	11.2	12.9	15.8	18.2
CT1550	-	CT4050	CT5050	CT6550	-	6.2	9.5	11.4	14.0	16.1	19.7	23
-	CT2560	CT4060	CT5060	CT6560	CT8060	7.5	11.4	13.7	16.7	19.3	24	27
CT1570	CT1570	CT4070	CT5070	CT6570	CT8070	8.7	13.3	16.0	19.5	23	28	32
CT15100	CT15100	CT40100	CT50100	CT65100	CT80100	12.5	19.1	23	28	32	39	46

QUICK-RELEASE BALL

Type	Connected
BLQ	Quick-release Type

THREAD BALL

Thread Ball Type	Thread Size inch
BL1	1/8
BL2	1/4
BL3	3/8

QUICK-RELEASE FLAT FAN NOZZLE

Nozzle Type (spray angle at 3 bar)					Flow Rate Capacity (L/min)								
50°	65°	80°	95°	110°	0.3bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	14bar
QC5001	Qc6501	Qc8001	Qc9501	Qc11001	0.12	0.23	0.32	0.39	0.46	0.51	0.56	0.6	0.85
QC5002	QC6502	QC8002	QC9502	QC11002	0.25	0.45	0.64	0.79	0.91	1.0	1.1	1.2	1.7
QC5003	QC6503	QC8003	QC9503	QC11003	0.37	0.69	0.97	1.2	1.4	1.5	1.7	1.8	2.6
QC5004	QC6504	QC8004	QC9504	QC11004	0.50	0.92	1.3	1.6	1.8	2.0	2.2	2.4	3.4
QC5005	QC6505	QC8005	QC9505	QC11005	0.62	1.1	1.6	2.0	2.3	2.5	2.8	3.0	4.3
QC5006	QC6506	QC8006	QC9506	QC11006	0.75	1.3	1.9	2.4	2.7	3.1	3.3	3.6	5.1
QC5008	QC6508	QC8008	QC9508	QC11008	1.0	1.8	2.6	3.2	3.6	4.1	4.5	4.8	6.8
QC5010	QC6510	QC8010	QC9510	QC11010	1.2	2.3	3.2	3.9	4.6	5.1	5.6	6.0	8.5
QC5015	QC6515	QC8015	QC9515	QC11015	1.9	3.4	4.8	5.9	6.8	7.6	8.4	9.0	12.8
QC5020	QC6520	QC8020	QC9520	QC11020	2.5	4.6	6.5	7.9	9.1	10.2	11.2	12.1	17.1
QC5030	QC6530	QC8030	QC9530	QC11030	3.7	6.8	9.7	11.8	13.7	15.3	16.7	18.1	26

QUICK-RELEASE FULL CONE NOZZLE

Nozzle Type	Flow Rate Capacity (L/min)										Spray Angle (°)		
	0.5bar	0.7bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
Qb1	0.25	0.38	0.54	0.62	0.74	0.85	0.94	1.0	1.1	1.3	-	58	53
QB2	0.65	0.76	1.0	1.2	1.5	1.7	1.9	2.0	2.2	2.6	43	50	46
QB3	0.98	1.1	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52	65	59
QB3.5	1.1	1.3	1.9	2.2	2.6	3.0	3.3	3.6	3.9	4.5	43	50	46
QB5	1.6	1.9	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52	65	59
QB6.5	2.1	2.5	3.5	4.0	4.8	5.5	6.1	6.7	7.1	8.4	45	50	46
QB10	3.3	3.8	5.4	6.2	7.4	8.5	9.4	10.2	11.0	13.0	58	67	61

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QUICK COUPLINGS

Quick couplings provide immediate, perfectly sealed junction between the two tubes. They have some types from A to F and made of different raw materials such as PP, aluminum, SS. Regarding pretreatment processes, couplings made of PP material are widely preferred with SS handles,pins,rings or with PP handles. Camlock couplings have two kinds of adapter: male and female. During the process of installation, no tools are required and hand pressure is enough. Hence, camlock couplings are not only save time but also the tools ad human power. However, camlocks are not suitable for any kinds of hose. It is forbidden to be used in compressed air, gas or high pressure applicatons.
The camlock couplings, in general , have 8 types including 4 types male parts and 4 types female parts

Types:

A TYPE adapter : material PP, size 1/2" to 4"
B TYPE coupler : material PP, handles PP/SS, safety pin SS, size 1/2" to 4"
C TYPE coupler : material PP, handles PP/SS, safety pin SS, size 1/2" to 4"
D TYPE coupler : material PP, handles PP/SS, safety pin SS, size 1/2" to 4"
E TYPE adapter : material PP, size 1/2" to 4"
F TYPE adapter : material PP, size 1/2" to 4"
DC TYPE (dust cap) coupler : material PP, handles PP/SS, safety pin SS, size 1/2" to 4"
DP TYPE (dust plug) adapter : material PP, size 1/2" to 4"

General usage area. : Polypropylene quick couplings are typically used in low pressure suction or discharge hoses of firefighting pumps, IBC containers and other applications where need quick connect or disconnect operations. PP camlocks have an excellent chemical resistance to most aggressive chemicals and corrosive solvents.
Advantages :
* Excellent chemical resistance
* Economical option for quick hose coupling
* No tools needed
* Connect or disconnect in an easy way
** Temperature range : -15 Fo to + 200 Fo (water)
*** Working pressure : depends on size and temperature

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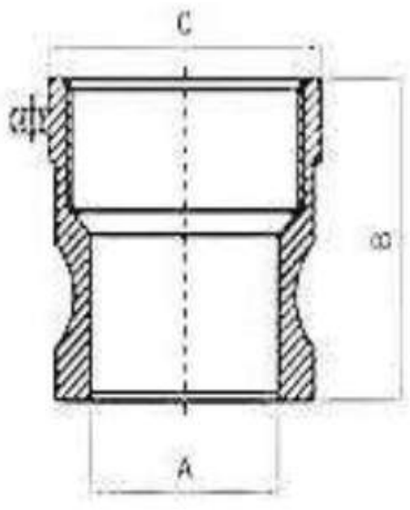
QUICK COUPLINGS

A Type PP Adapter Technical Data:

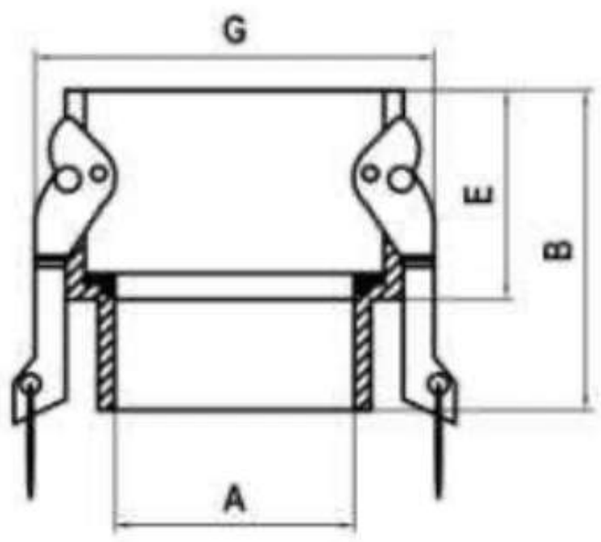


SIZE	A (mm)	B (mm)	C (mm)
1/2"	21,5	48	34
3/4"	21,5	48	34
1"	24	56	42
1-1/4"	28,5	64	48
1-1/2"	36	66	59
2"	44	70	71
2-1/2"	59	79	84
3"	72	82	101
4"	93	92	131

Polypropylene A type adapter is compatible with most chemicals. It is typically used in combination with Type D, B,C and DC type in suction / discharge applications. Due to its excellent chemical resistance to the strongest chemicals and solvents, it is quite suitable for agricultural acids, fertilizers and acids.

Thread : Standard NPT / BSP

B Type Coupler Technical Data:



SIZE	A (mm)	B (mm)	E (mm)	G (mm)
1/2"	15	54	34	50
3/4"	18	54	34	50
1"	24	60	41	60
1-1/4"	33	70	46	77
1-1/2"	37	72	50	82
2"	49	82	56	94
2-1/2"	63	85	56	107
3"	76	89	59	127
4"	98	95	60	160

B Type polypropylene coupling has two stainless steel / PP handles. Handles, pins and safety clips are made stainless steel. Finger rings are made of brass or stainless steel. Type B PP coupling is typically used in conjunction with Type F, A and E adapters to connect low pressure suction hoses to pumps in frequent plugging, connecting or disconnecting applications such as IBC (international bulk containers), painting industries

Thread : Standard NPT / BSP

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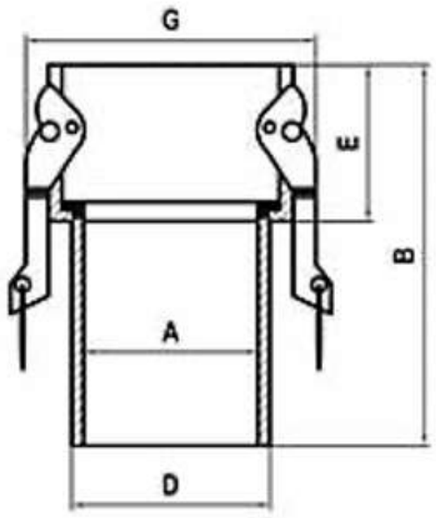
QUICK COUPLINGS

C Type PP Coupler Technical Data:

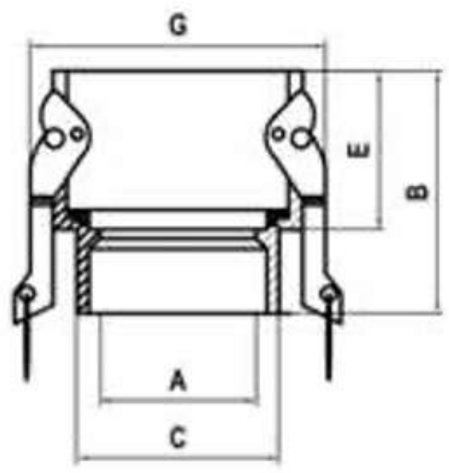


SIZE	A (mm)	B (mm)	D (mm)	E (mm)	G (mm)
1/2"	8	79	14	34	50
3/4"	14	87	21	34	50
1"	19	99	27	41	60
1-1/4"	25	103	34	46	76
1-1/2"	31	110	39	49	85
2"	41	124	53	56	94
2-1/2"	55	141	65	56	109
3"	65	147	78	60	133
4"	85	170	102	60	160

C Type polypropylene coupler has two stainless steel / PP handles. Handles, pins and safety clips are made stainless steel. Finger rings are made of brass or stainless steel. Typically used with E, A, F and DP adapters. It has resistant to many aggressive acids, agricultural fertilizers solvents and treated waters just like stainless steel.

Thread type : Standard NPT / BSP

D Type PP Coupler Technical Data:



SIZE	A (mm)	B (mm)	C (mm)	E (mm)	G (mm)
1/2"	19	54	34	34	52
3/4"	21	54	34	34	52
1"	24	60	41	41	62
1-1/4"	33	70	59	46	78
1-1/2"	39	72	59	49	88
2"	49	83	71	55	98
2-1/2"	62	85	84	56	111
3"	77	90	102	60	132
4"	98	92	131	60	165

Type D polypropylene coupler is used with Type A, E, F and DP adapters of the same size. D type PP coupler has two stainless steel (aisi 304 / 316) / PP handles. Handles, pins and safety clips are made of stainless steel. Finger rings are made of brass or stainless steel. Standard gaskets Buna-N, EPDM, PTFE, Nitrile or silicon gaskets can be supplied upon request. It is suitable for many chemicals and solvents.

Thread type : Standard NPT / BSP

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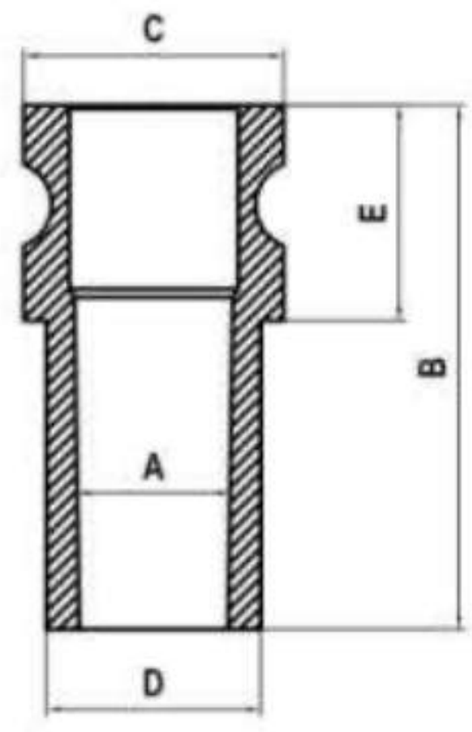
QUICK COUPLINGS

E Type PP Adapter Technical Data:

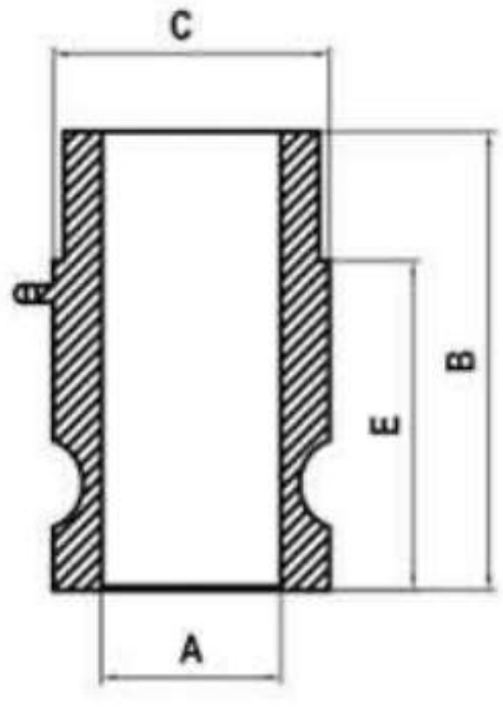


SIZE	A (mm)	B (mm)	D (mm)	E (mm)	C (mm)
1/2"	8	77	14	33	32
3/4"	14	84	21	33	32
1"	19	97	27	38	37
1-1/4"	25	100	34	44	46
1-1/2"	31	108	40	47	54
2"	41	125	53	54	63
2-1/2"	55	141	64	56	70
3"	65	148	79	58	91
4"	85	175	103	65	119

Used with C, B, D and DC type couplings. It is often used in firefighting pumps, IBC containers, oil or painting industries. It is used in low pressure suction, discharge pipe or hose systems. Care must be taken when attching the adapter to the coupling to avoid crushing or breaking.

Thread type : Standard NPT / BSP

F Type PP Adapter Technical Data:



SIZE	A (mm)	B (mm)	C (mm)	E (mm)
1/2"	21	58	34	39
3/4"	22	58	34	39
1"	24	66	41	46
1-1/4"	29	81	48	57
1-1/2"	37	78	58	54
2"	45	90	70	62
2-1/2"	59	92	80	63
3"	74	98	100	67
4"	93	108	110	74

Used with C, B, D and DC couplers

Thread type : Standard NPT / BSP

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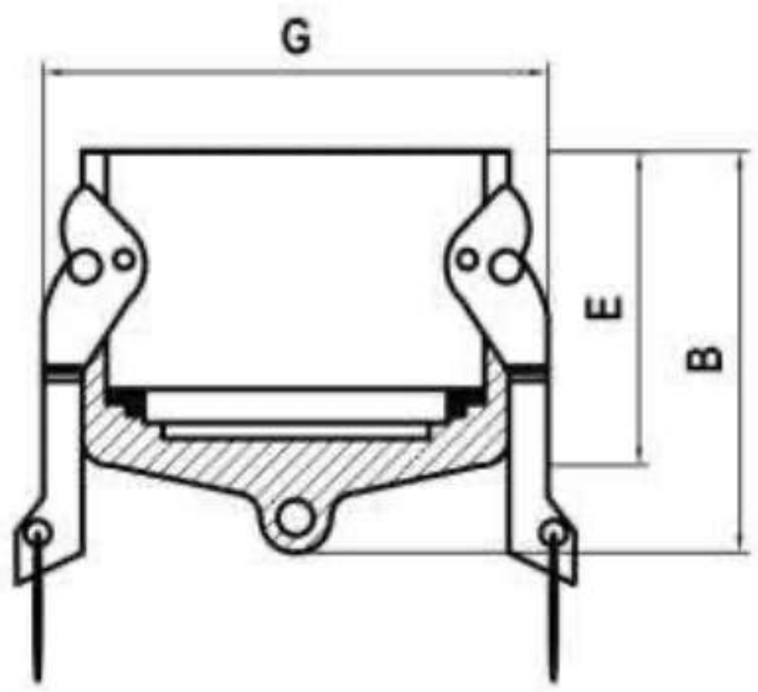
QUICK COUPLINGS

DC Type PP Coupler Technical Data:

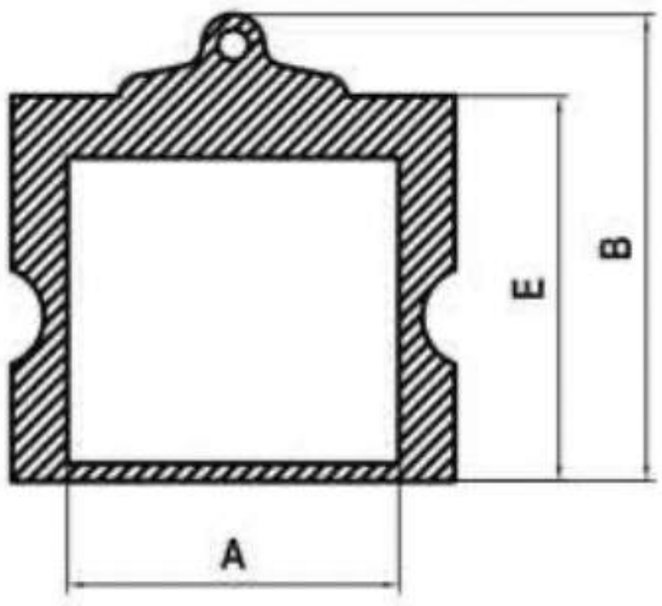


SIZE	B (mm)	E (mm)	G (mm)
1/2"	43	33	43
3/4"	46	36	50
1"	57	43	60
1-1/4"	63	48	75
1-1/2"	65	51	82
2"	73	57	98
2-1/2"	76	58	108
3"	74	60	127
4"	76	60	162

Type DC polypropylene female end coupler is used with Type A, E and F adapters of the same size. DC type coupling should not be used under pressure.

Thread type : Standard NPT / BSP

DP Type PP Adapter Technical Data:



SIZE	A (mm)	E (mm)	B (mm)
1/2"	14	28	39
3/4"	21	30	41
1"	23	34	49
1-1/4"	29	43	58
1-1/2"	35	46	60
2"	44	49	65
2-1/2"	59	51	67
3"	73	52	69
4"	93	57	73

DP type polypropylene male end adapter plugs into Type B, C and D adapters of the same size. It is frequently used in the chemical industry, agriculture, paint and ink factories. It is preferred not only because of its good performance against chemicals, coolants and treated water, but also because of its cheap price and simple use.

Thread type : Standard NPT / BSP

Care must be taken attaching or releasing couplings and adapters made of all PP materials. DP type adapter should not be used under pressure.

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QUICK COUPLINGS

	Polypropylene adapter Type A
	Polypropylene coupler Type B
	Polypropylene coupler Type C
	Polypropylene coupler Type D

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	Polypropylene adapter Type E
	Polypropylene adapter Type F
	Polypropylene coupler Type DC
	Polypropylene adapter Type DP

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