

TECHNOVA SPRAY NOZZLES

MANUFACTURER AND EXPORTER OF:
INDUSTRIAL SPRAY NOZZLES | EYELET CLAMPS | PIPE HANGERS

technovaspray.com



Assembly 2



Assembly 2CL



Assembly 1



Assembly 1CL



V Jet Assembly



V Jet Clip Assembly

Clip Eyelet Nozzle Assembly



Easy & Quick !

Just drill a hole in pipe & fasten our clamp & nozzle.
You're ready for Spraying !!

Designed for easy installation and minimal maintenance downtime. Stainless steel clamps fit 3/4", 1 1/4" pipe with a 8.5 or 10.5 or 14.5 mm dia. drilled hole. The spray pattern is directed precisely at surfaces. Provides consistent spray patterns, even coverage, and chemical resistance.

Typical applications of Spray Nozzles

- Cooling of Extruded PVC Pipe
- Solar Panels Cleaning
- Cleaning And Washing Process
- Surface Spraying
- Dust Control
- Gas Treatment
- Quenching After Heat Treating
- Humidification of air in Air Washers
- Coal Dust Control
- Tunnel Cooling
- Pasteurizer Cooling Lines
- Spray Drying Powdered Milk
- Foam Control For Storage Tanks
- Wastewater Treatment
- Degreasing & Phosphating
- Spraying Onto Mats In Air Washers
- Cooling of Gaseous Fluids & Solids
- Cleaning of Bottle Exteriors & Disinfection in Bottling
- Washing Printed Circuit Boards
- Washing Fruits & Vegetables
- Cooling Towers
- Evaporative Cooling In Poultry Houses
- Cooling Foods In Cans & Jars After Processing
- Wetting
- Parts Washing & Rinsing
- Food Processing

Full Cone Spray Nozzles



Hollow Cone Spray Nozzles



Flat Fan V Jet Nozzles

Flood Nozzles



Air & Steam Nozzles



Extension Parts



Pipe Hangers



Eyelet Clamps / Pipe Clamps



EYELET CLAMPS

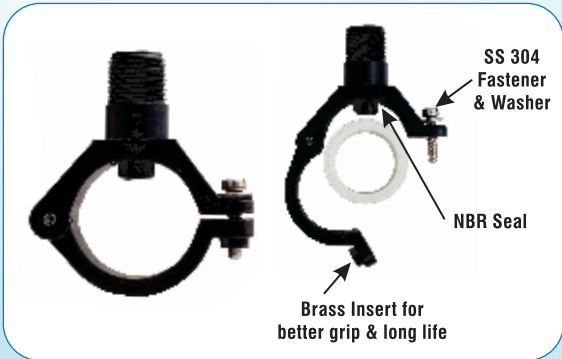
Connect nozzles to pipe or hose : Technova eyelets offer the most economical method of attaching spray nozzles to pipe systems

Two Side Eyelet Clamp



- For Pipe Dia 1 Inch (32 - 34.5mm Outer Diameter)
- Termination : 3/8" BSPT Male Threads
- Part No. 208 (Drill Dia 8.5mm)
- Part No. 210 (Drill Dia 10.5mm) - STD

Single Side Eyelet Clamp



- For Pipe Dia 1 Inch (32 - 34.5mm Outer Diameter)
- Termination : 3/8" BSPT Male Threads
- Part No. 108 (Drill Dia 8.5mm)
- Part No. 110 (Drill Dia 10.5mm) - STD
- Part No. 114 (Drill Dia 14.5mm)

Clip Eyelet Clamp



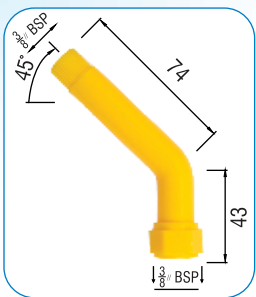
- For Pipe Dia 1 Inch (32 - 34.5mm Outer Diameter)
- Termination : 3/8" BSPT Male Threads
- Part No. 108C (Drill Dia 8.5mm)
- Part No. 110C (Drill Dia 10.5mm) - STD
- Part No. 114C (Drill Dia 14.5mm)

Flexible Pipe



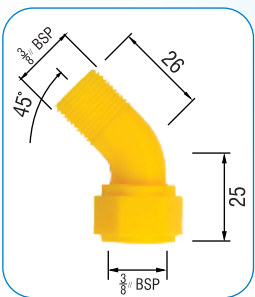
- Length 200mm Part No FP200
- Length 300mm Part No FP300
- 3/8" BSPT Male Threads & 3/8" BSPT Female threads

Bend Pipe Long



- Part No BPL
- Termination : 3/8" BSPT Male & Female Threads

Bend Pipe Short



- Part No BPS

- For Pipe Dia 3/4 Inch (25 - 27.5 mm Outer Diameter)
- Part No. 108C-0.75 (Drill Dia 8.5mm)
- For Pipe Dia 1 1/4 Inch (40-42.5 mm Outer Diameter)
- Part No. 110C-1.25 (Drill Dia 14.5mm)

Clamp material : Polyamide 6

NOTE: (For Eyelet Clamps) : All standard Eyelet Clamps & Clip Eyelet Clamps are for 10.5mm drilled holes. For 8.5mm, 14.5mm holes please specify in enquiry. Clip Eyelet Max Pressure 2 bar.

V Jet (Flat Fan) Spray Nozzles

Performance Data

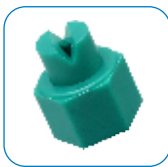
Pressure	Flow Rate In Litres / Min Our V Jet Part Number		
	FF 6006	FF 6030	FF 6040
0.3 bar	0.75	3.7	5.1
1 bar	1.4	6.8	9.1
2 bar	1.9	9.8	12.8
3 bar	2.4	11.7	15.9
4 bar	2.7	13.7	18.2
5 bar	3.0	15.2	20.2
Sp Angle	65°	65°	65°
Equivalent to Part No	QPTA 06	CT 6530 & QPTA 30	CT 6540 & QPTA 40



Part No FF 6006
3/8 Inch BSPT female threads



Part No FF 6006 M
1/4 Inch BSPT male threads



Part No FF 6040
3/8 Inch BSPT female threads

Standard Material

- GF Polypropylene ,
- Nylon 6

Flooding Nozzles



FLOW RATE IN LITRES / MIN					
PART NO.	Ori Dia	0.5 bar	1 bar	2.bar	Spray Angle
FN 203	3.5 mm	6	8.2	11	155 Deg
FN 206	6 mm	12.5	18	25	155 Deg

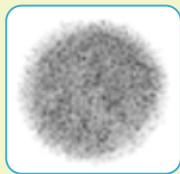
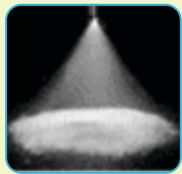
Flat jet slot nozzle for compressed air and saturated steam



Vn Air (M3/h i.N.)			M Saturated Steam (Kg/h)		
P (bar)			P (bar)		
0.5	2.0	5.0	0.5	2.0	5.0
1.4	2.6	5.4	0.5	1.4	3.1

- Wide, strong air stream
- Easy mounting
- Fits on 1 Inch Pipe (32-34.5mm outer diameter)

FULL CONE SPRAY NOZZLES



Description

- Extremely Uniform liquid distribution
- Stable spray angles, unaffected by transient pressures
- Reliable in service

Standard Connections

- 3/8 Inch female BSPT
- 1/4 Inch male BSPT
- 3/8 Inch male BSPT(Use Adapter)
- 1/2 Inch male BSPT(Use Adapter)

Working Temperature: max 80 deg.C

Standard Materials

- Nylon 6

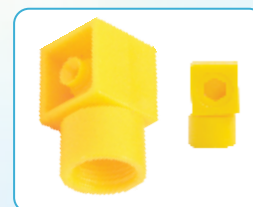
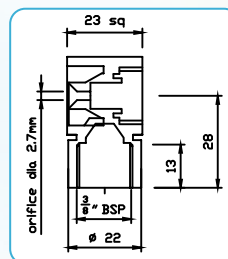
Orifice Diameter

- 2.0 mm
- 2.5 mm
- 3.0 mm
- 3.5 mm

Spray Angle

- 90 Degrees Standard
- 40 Degrees

Tangential Flow Nozzles

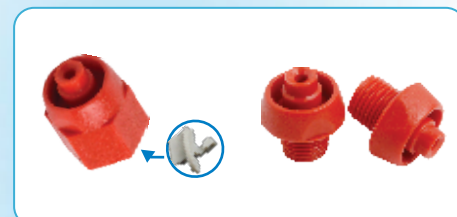
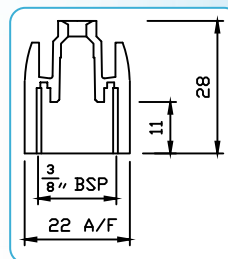


Part No 102
3/8 Inch BSPT
Female Threads



Part No 102 M
1/4 Inch BSPT
Male Threads

Axial Flow Jet Nozzles



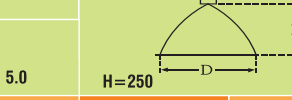
Part No 103
Orifice 2mm
3/8 Inch BSPT Female Threads

Part No 104
Orifice 3.5mm

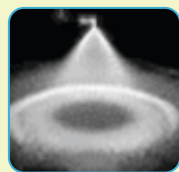
Part No 103 M
Orifice 2mm

1/4 Inch BSPT Male Threads

Spray Nozzle Flow Characteristics

ITEM	Flow V (l/min)							<div>SPRAY DIA At P=2 bar</div> 	
	Spray Angle	Orifice Dia	P (bar)						
			0.5	1.0	2.0	3.0	5.0		
Full Cone Tang Nozzle Part No 102	90	2.5 mm	1.6	2.2	3.0	3.8	5.0	450	950
Full Cone Tang Nozzle Part No 102-3090	90	3.0 mm	2.0	2.8	4.1	4.9	6.3	450	950
Full Cone Tang Nozzle Part No 102-3590	90	3.5 mm	3.0	4.2	5.9	7.1	8.8	450	950
Full Cone Tang Nozzle Part No 102-2540	40	2.5 mm	1.4	2.0	2.8	3.6	4.8	-	-
Axial Full Cone Nozzle Part No 103 / 103 M	110	2.0 mm	1.6	2.2	3.0	3.5	4.5	400	950
Axial Full Cone Nozzle Part No 104	110	3.5 mm	4.5	6.4	9.1	10.5	13.5	400	950

HOLLOW CONE SPRAY NOZZLES



Description

- Tangential flow design
- Self Cleaning, Clog Resistant design
- Uniform spray coverage

Standard Materials

- Nylon 6, Polypropylene

Spray Angle

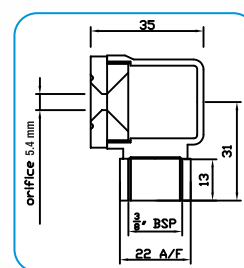
- 90 Degrees

Orifice Diameter

- 5.4 mm
- 2.5 mm

Standard Connections

- 3/8" female BSPT
- To Use Reducer Adapter for 3/8" Male, 1/4" male, 1/4" female, 1/2" Male, 1/2" female BSPT termination.




Part No 101
Orifice 5.4 mm



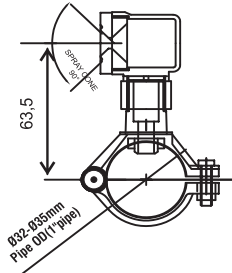
Part No 101A
Orifice 2.5 mm



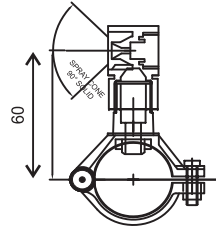
Spray Nozzle Flow Characteristics

ITEM	Flow V (l/min)							<div>SPRAY DIA At P=2 bar</div> 	
	Spray Angle	Orifice Dia	P (bar)						
			0.5	1.0	2.0	3.0	5.0		
Hollow Cone Nozzle Part No 101	90	5.4 mm	1.6	2.2	3.1	3.8	5.0	450	950
Hollow Cone Nozzle Part No 101A	115	2.5 mm	0.9	1.1	1.6	2.0	2.5	450	950

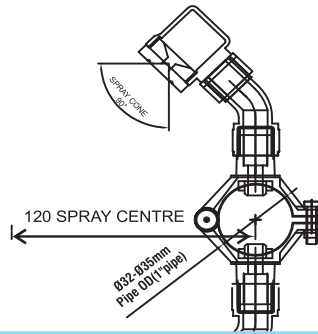
Assembly 1, 1CL



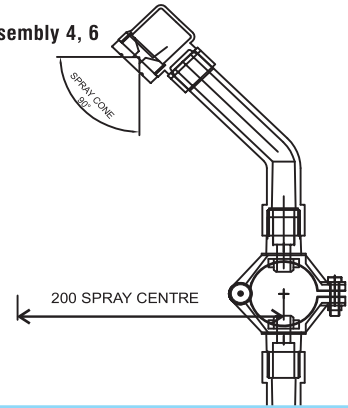
Assembly 2, 2CL



Assembly 3, 5



Assembly 4, 6



ASSEMBLY NOS.:



1

1CL

(Orifice 5 mm or 2.5 mm)



2

2CL

(Orifice 2.5 mm)



3



4



5

5CL



6

6CL



7

7CL



3NH



3NF



V Jet Assly



V Jet Clip Assly



Flat Jet Slot Assly



Flexible Spray Assembly



Flexible Clip Spray Assly

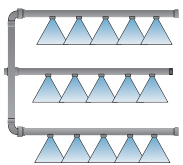


Flex 2 side Assly

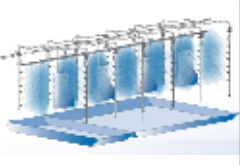


Spout Assly

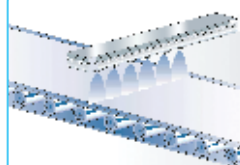
Tower / Pond Cooling



Parts Cleaning / Washing



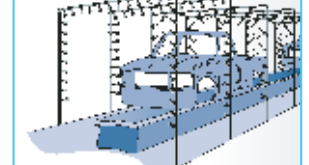
Conveyor Cooling / Drying



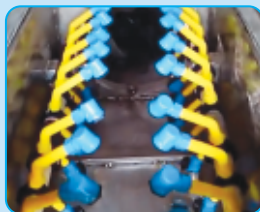
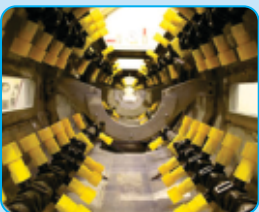
Coal Dust Suppression



Automotive



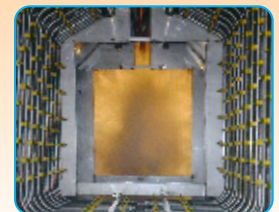
Typical Application: Use in vacuum tank in pipe extrusion for pipe cooling



Solar Panel Cleaning



Phosphating



TECHNOVA
THERMOPLAST

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