PrudentAire®

JN Jet Nozzle

MADE IN MALAYSIA

MEMBER

JN | Jet Nozzle

Introduction

Used in large occupied areas where ceiling or ducting installations are unsuitable, Prudent Aire Jet Nozzle are capable to direct and deliver up high flow rate over distance up to 30m.

It is suited for locations with ever-changing environments and operating parameters. Designed to be aerodynamically contoured, Jet Nozzle is able to operate with minimum noise, pressure loss and turbulence.

Flow direction can be easily adhusted up to 30° multi-directional.

CONSTRUCTIONS & MATERIALS

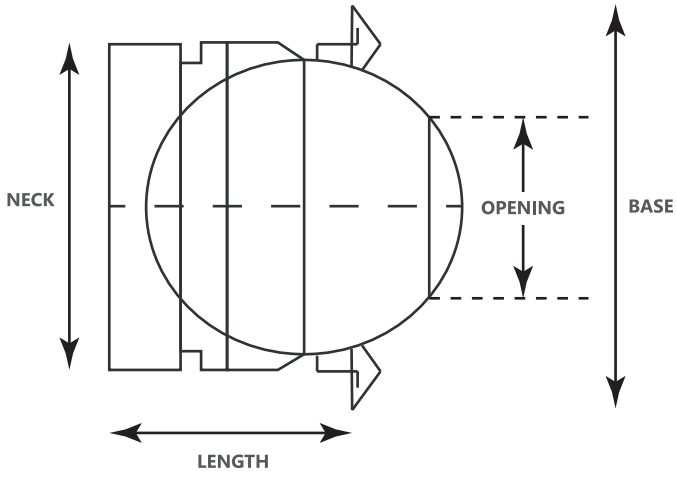
- Capability of:
  i) High volume flowrate
  ii) Long throw up to 30m
- Adjustable flow deflection up to 30° multi-directional

Nozzle Construction

AL
1.0mm

Extruded Aluminium

DIMENSIONS



Opening Dimensions

Order Size (Inch)	Neck Size (mm)	Base Size (mm)	Opening (mm)	Length (mm)
6"	158	212	82	100
8"	199	255	105	120
10"	247	303	134	144
12"	311	380	184	155
16"	397	465	230	180

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TECHNICAL PERFORMANCE DATA

Order Size		V_T	L_T= 10 m			L_T= 20 m			L_T= 30 m		
mm	inch		V	NC	ΔP_T	V	NC	ΔP_T	V	NC	ΔP_T
160	6.0	0.25	23	-	10	46	-	45	69	35	100
200	8.0		29	-	-	61	-	28	85	27	60
250	10.0		37	-	-	76	-	20	106	22	35
315	12.0		50	-	-	98	-	11	150	20	25
400	16.0		65	-	-	129	-	-	195	-	12
160	6.0	0.5	46	-	45	92	44	175	138	55	100
200	8.0		61	-	28	121	38	100	182	50	250
250	10.0		76	-	20	152	34	70	229	45	125
315	12.0		98	-	11	195	28	45	293	40	90
400	16.0		129	-	-	258	20	20	387	33	45
160	6.0	1.0	92	44	175	-	-	-	-	-	-
200	8.0		121	38	100	242	-	400	-	-	-
250	10.0		152	34	70	305	53	240	-	-	-
315	12.0		195	28	45	390	48	150	585	53	330
400	16.0		258	20	20	516	42	80	773	53	180

Label	Description
L_T	Throw distance, m
V	Volume Flowrate, L/s
NC	Noise Criteria
ΔP_T	Total Pressure Loss, Pa

JET NOZZEL TECHNICAL SPECIFICATION

Frame Construction

1. Frame to be in extruded aluminum. Frame thickness should be in minimum 1.0mm thick.

Nozzle Construction

1. Nozzle to be in extruded aluminum.
2. Nozzle internal aerodynamic designed to compress the airflow to create a jet throw performance.
3. Nozzle to be adjustable up to 30° multi-direction.

Finishing

1. Finishing should be white powder coated, oven baked as standard RAL 9010 SG or HY-1001/A127. Others available upon request.

Performance

1. Nozzle core are adjustable for directional air distribution.
2. Jet Diffusers are designed to be high wall mounted or ceiling mounted. Round duct connection with damper should to be installed at the neck of the diffuser for volume control purpose, unless otherwise stated.
3. Jet Nozzle's aerodynamic design is able to produces a jet throw without compromising noise level.

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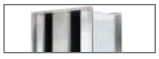
Products Range

- Grilles
- Diffusers
- Dampers
- Fire & Smoke Protection
- VAV
- Others 
- Accessories

PRUDENTAIRE®

Prudent Aire Engineering Sdn Bhd 657301-P
Lot 2102, Jalan KPB12, Off Jalan Suria Park 1, Kg Baru Balakong,
43300 Seri Kembangan, Selangor Darul Ehsan, Malaysia
Tel : +603-9100 3858 (HL) / 9101 3869 / 9101 5868
Fax : +603-9100 4868 Email : sales@prudentaire.com

www.prudentaire.com

All stated specification are updated at the printing date and subject to change without notice or obligation.
The actual product might differ from pictures shown.