

# ALANDALOSIA

FOR AIR OUTLET



CATALOGUE **NO 16**

## DRUM JET NOZZLE



Air Outlet

**Andalosalia**

# OUR PRODUCTS

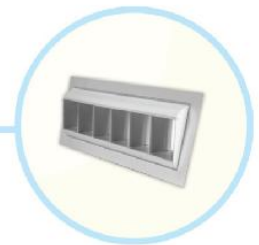
## SELECTION GUIDE

- 1- SQUARE CEILING DIFFUSER
- 2- ROUND CEILING DIFFUSER
- 3- SWIRL DIFFUSER
- 4- PERFORATED CEILING DIFFUSER
- 5- LINEAR SLOT DIFFUSER
- 6- LINEAR CEILING DIFFUSER
- 7- LINEAR BAR GRILL
- 8- REGISTER
- 9- FLOOR & PERFORATED FLOOR GRILL
- 10- TRANSFER GRILL
- 11- ACCESS PANEL
- 12- LOUVER
- 13- SAND TRAP LOUVER
- 14- JET NOZZLE
- 15- BALL JET NOZZLE

### **16 - DRUM JET NOZZLE**

- 17- DISC VALVE
- 18- NON RETURN DAMPER (SHUTTER)
- 19- VOLUME DAMPER
- 20- FIRE DAMPER
- 21- SMOKE DAMPER
- 22- DUCT ACCESS DOOR

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Air Outlet

# Andalosa

INTERTEK

## INTRODUCTION

### DRUM JET DIFFUSER

Drum Jet Diffusers are high air capacity terminals designed for applications where air has to travel a large distance to the occupied zone.

They are ideally suited.

for exposed duct or sidewall installations in large spaces such as sport complex, atria, factory workshops and warehouses. The drum and guide can be adjusted to give full jet spread and directional control, enabling the diffuser to be set up for optimum conditions in both heating and cooling modes. In addition, to promote rapid diffusion in the vertical plane and reduce jet throws, a further set of adjustable blades can be fitted across the width of the drum outlet.

### FEATURES

- High Capacity.
- Long Throw Air Distribution.
- Horizontal & Vertical Adjustment.
- Wide Size Range.
- Full Range of Volume Control Accessories.
- Extruded Aluminum Construction.

### MATERIAL

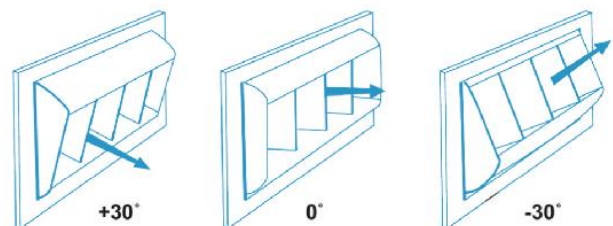
Cylinder drum, adjustable direction vanes and 31.5mm flange border from extruded aluminum sections, cylinder drum ends from aluminum sheet. Silicone treated polypropylene bristle used as seal between cylinder drum and flanged outer frame.



DRUM JET DIFFUSER

### CONSTRUCTION

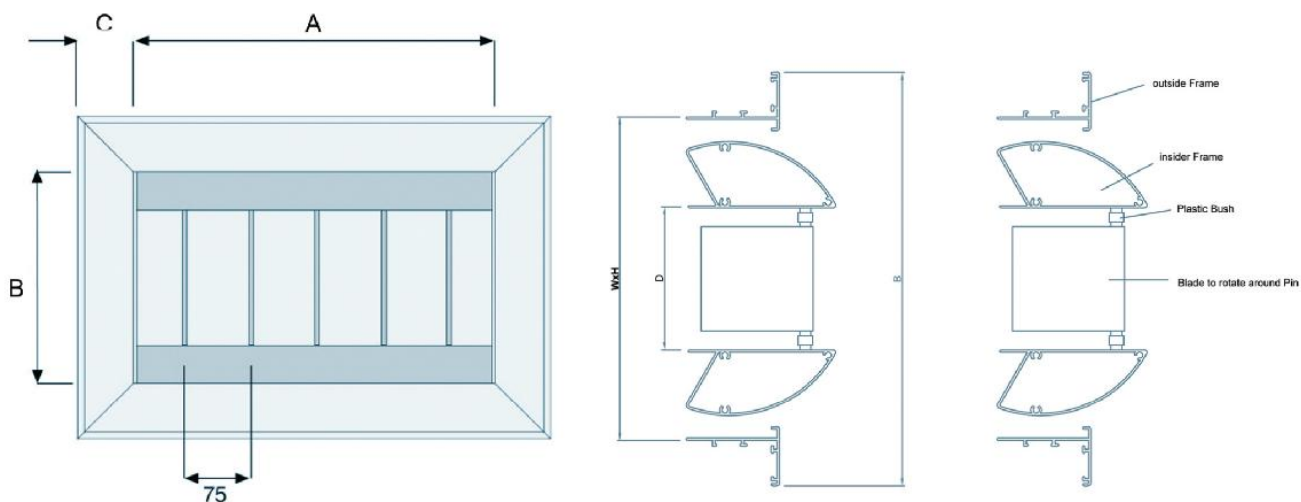
Outer flanged frame mitered with corners mechanically cleated. Cylinder drum, adjustable vanes joined by mechanical fittings.



### FINISH

Standard mill finish or powder coated.

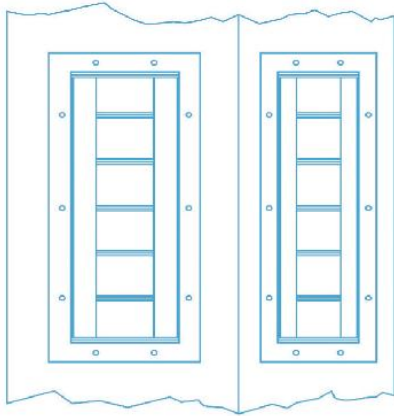
## DIMENSIONS



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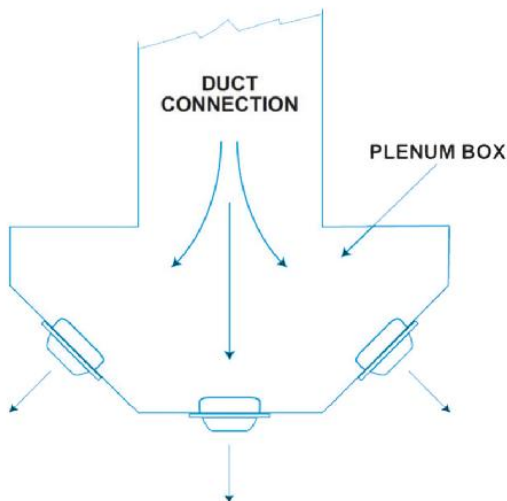
SIZE	W	A	H	B	K	D	F	C
250x150	250	300	150	200	90	90	40	31.5
300x150	300	350	150	200	90	90	40	31.5
475x150	475	525	150	200	90	90	40	31.5
625x150	625	675	150	200	90	90	40	31.5
500x250	500	528	250	332	150	150	60	50
650x250	650	732	250	332	150	150	60	50
750x250	750	832	250	332	150	150	60	50
900x250	900	982	250	332	150	150	60	50

## TYPICAL APPLICATIONS



## VERTICAL MOUNTING

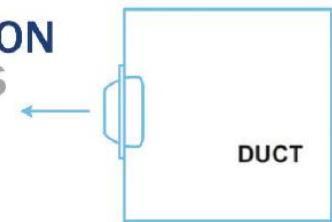
The drum louver can be adapted to vertical installation such as a combined decorative pillar and plenum around a structural column.



## MULTI POINT SITUATIONS

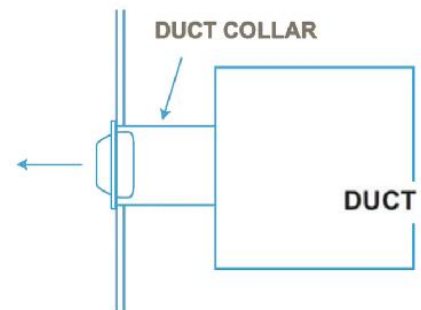
Purpose made plenum boxes can be constructed to accommodate multi directional requirements.

## INSTALLATION GUIDELINES



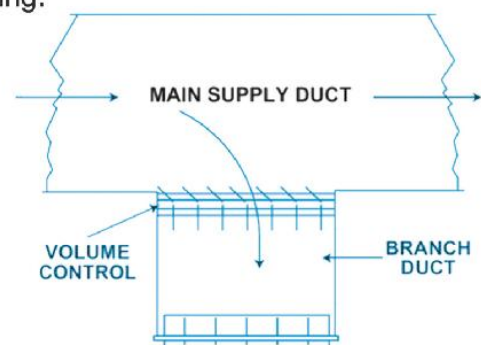
## VELOCITIES UP TO 5 M/S

The drum louver can be fixed directly to the ducting using self-tapping screws.



## VELOCITIES EXCEEDING 5 M/S

In this situation it is recommended that an extension duct collar be fitted to the main ducting.



## POSITION REQUIRING VOLUME CONTROL

In many installations it is necessary to use a Volume Controller. This also acts as a Deflector, controlling air flow into the branch ducting.

## TECHNICAL DATA

Neck Size (mm)	Velocity (m/s)		1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
	Pressure Loss (Pa)		9	15	25	31	39	50	76	97
250x150	CMH		135	205	270	340	405	475	540	605
	Throw (m)		2.8	4.2	5.8	6.5	7.2	7.7	8.4	8.8
300x150	NC		<20	<20	<20	<20	22	26	31	35
	CMH		165	245	325	405	485	570	650	730
475x150	Throw (m)		3.2	4.7	6.4	7.1	8.0	8.8	9.4	9.9
	NC		<20	<20	<20	<20	23	29	33	37
625x150	CMH		255	385	515	640	770	900	1025	1155
	Throw (m)		3.5	5.1	6.9	8.0	8.7	9.5	10.3	10.8
500x250	NC		<20	<20	<20	21	25	31	35	38
	CMH		340	505	675	845	1015	1180	1350	1520
650x250	Throw (m)		3.8	5.7	7.8	8.7	9.5	10.4	11.0	11.5
	NC		<20	<20	<20	22	27	33	38	40
750x250	CMH		450	675	900	1125	1350	1575	1800	2025
	Throw (m)		3.2	4.9	6.5	7.3	8.4	9.0	9.6	10.1
900x250	NC		<20	<20	<20	<20	24	28	34	38
	CMH		585	878	1170	1465	1755	2050	2340	2635
500x250	Throw (m)		3.7	5.4	7.3	8.4	9.2	10.0	10.5	11.4
	NC		<20	<20	<20	20	25	31	36	39
650x250	CMH		675	1015	1350	1690	2025	2365	2700	3040
	Throw (m)		4.0	5.9	8.0	9.2	10.1	10.9	11.6	12.5
750x250	NC		<20	<20	<20	21	26	32	37	40
	CMH		810	1215	1620	2025	2430	2835	3240	3645
900x250	Throw (m)		4.3	6.5	8.9	10.0	10.9	11.8	12.7	13.2
	NC		<20	<20	<20	22	29	34	38	41