

Model Definition

DRQ-S4-650*250-RAL9010

DRQ

Product Group

DRQ-Indicates an adjustable drum nozzle.

S4

Diversion Direction Adjustment Form

O4-Indicates manual adjustment;

S4-Indicates electric actuator adjustment;

TA-Indicates temperature sensing mechanism triggers adjustment.

650*250

Specification And Size

Usually refers to the neck size of the air outlet.

RAL9010 Paint Color

RAL9010 is the factory standard color; Special colors can be painted according to customer requirements.

V

There is a split air volume regulating valve behind the air outlet, which is omitted to be without.

Application Description

DRQ adjustable drum nozzle is suitable for long-distance air supply with large air volume in large space. It is usually side mounted and air supply. Set and adjust the air supply direction according to the air supply temperature difference, installation height and required jet range to meet the air supply effect of air conditioning under different working conditions. The air supply direction of the nozzle can be adjusted up and down by 30° , and the air

outlet angle of the guide vane can be adjusted left and right. At the same time, it is applicable to a wide range of air volume, which is suitable for large spaces such as airport, lobby, convention and Exhibition Center, gymnasium, workshop and so on

Generally, when cold air is supplied in summer, the air outlet is inclined upward; When supplying hot air in winter, the air outlet shall supply air obliquely downward to ensure good air organization.



Technical Features

- Large air volume and long jet range, with the characteristics of two-way adjustment of air supply angle;

- The diversion direction can be adjusted up and down, can be adjusted manually, can be adjusted by electric actuator and can be triggered by temperature sensing mechanism.
- It is used to supply cold and warm air with large air supply temperature difference. It is suitable for air conditioning system with temperature difference of $- 10\text{ }^{\circ}\text{C} \sim + 15\text{ }^{\circ}\text{C}$;
- A sealing gasket is arranged between the drum body and the outer frame to prevent the leakage of air flow. The drum body can be self-locking and positioned at any angle;
- An air volume regulating valve can be installed at the neck to adjust the air volume;
- Customized processing can be carried out according to customers' non-standard size and specification requirements.

Material And Surface Treatment

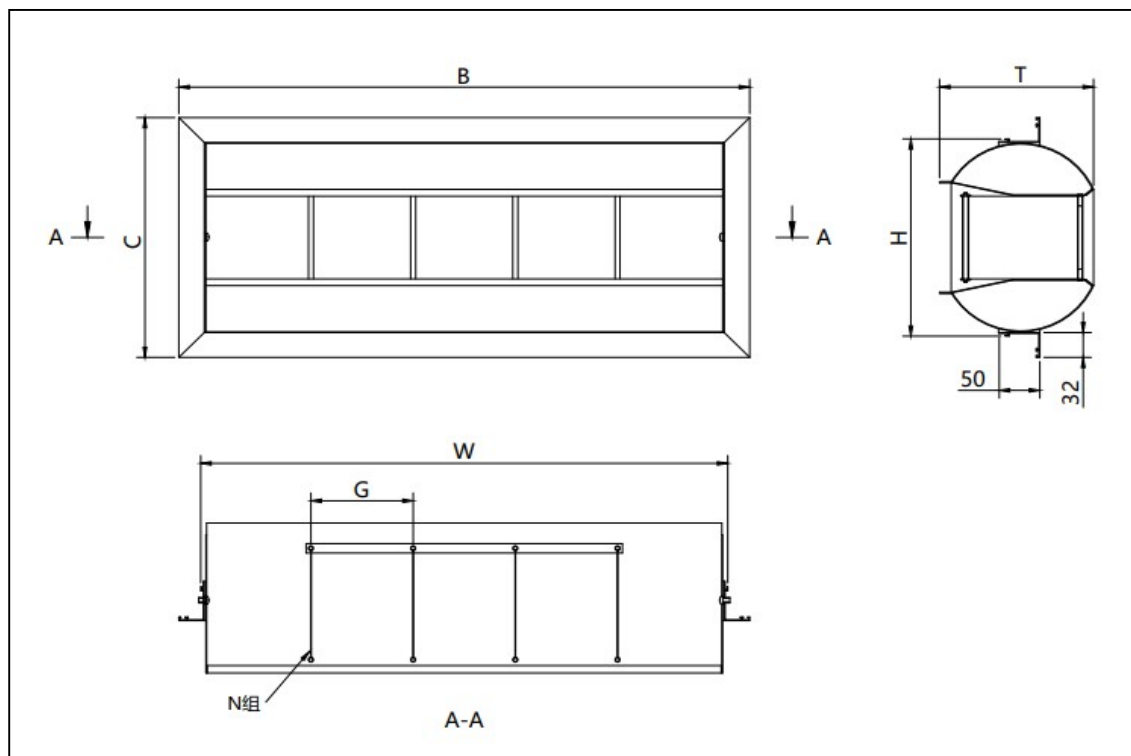
- Nozzle panel: galvanized sheet painting;
- Guide vane: galvanized sheet painting;
- Decorative ring frame: high quality aluminum profile painting;
- The standard surface treatment is RAL9010 white painting.

Supply Form

If needed, the air outlet and electric actuator / temperature sensing mechanism shall be provided as a whole.

Specification And Size

Model	W	H	B	C	T	G	N
250*150	250	150	304	204	125	78	2
300*150	300	150	354	204	125	95	2
475*150	475	150	529	204	125	115	3
625*150	625	150	679	204	125	122	4
500*250	500	250	554	304	190	120	3
650*250	650	250	704	304	190	126	4
750*250	750	250	804	304	190	122	5
900*250	900	250	954	304	190	126	6



Remarks : 1. All dimensions are in millimeters / mm.

2. If the installation requires a detailed drawing of specific dimensions, please contact our technicians.
3. The product size can be customized according to customer requirements.

Technical Parameter

Technical Performance Parameters Of Drum Nozzle									
Neck size W*H	Air velocity m/s	1	1.5	2	2.5	3	3.5	4	4.5
	Pressure loss Pa	4	10	17	26	37	50	65	82
500*250 (0.125)	Air volume cmh	450	675	900	1125	1350	1575	1800	2025
	Air supply distance m	4.0-8.3	6.1-10.5	8.3-12	9.4-13.3	10.5-14.6	11.2-16	12.0-17.1	12.7-18
	Noise NC	-	-	-	-	24	29	34	38
650*250 (0.1625)	Air volume cmh	585	878	1170	1463	1755	2048	2340	2633
	Air supply distance m	4.7-9.4	6.8-11.7	9.4-13.5	10.5-14.9	11.6-16.3	12.7-18.0	13.4-18.9	14.2-20.4
	Noise NC	-	-	-	20	26	32	36	40
750*250 (0.1875)	Air volume cmh	675	1013	1350	1688	2025	2363	2700	3038
	Air supply distance m	5.0-10.1	7.5-12.6	10.1-14.6	11.5-16.2	12.6-18.0	13.7-19.6	14.8-20.8	15.5-22.0
	Noise NC	-	-	-	21	26	32	37	41
900*250 (0.225)	Air volume cmh	810	1215	1620	2025	2430	2835	3240	3645
	Air supply distance m	5.3-11.2	8.3-13.7	11.2-16.0	12.6-17.9	13.7-19.6	14.7-21.1	15.9-22.6	17.0-24.3
	Noise NC	-	-	-	22	29	34	38	42

Remarks : 1. The air supply distance is measured with the terminal air velocity of 0.5m/s-0.25m/s;

2. The test angle is blown at an air outlet angle of 0 °;

3. When the sound pressure level is lower than NC20, it will be displayed as "-";

4. When the blowing angle changes, the correction value is as follows:

Blow out angle	0°	15°	30°
Pressure loss	1	1.25	1.79
Air supply distance	1	0.53	0.66
Noise NC	0	±3	±6