



environmental protection bottom mounted type direct current electromagnetic stirrer is widely used in the contactless stirring in the non-ferrous metal smelting process, especially for the aluminum alloy melting furnace, holding furnace, alloy furnace, tilting furnace and double chamber furnace, etc. It is an energy saving, high efficiency and environmental protection equipment.

Adapting computer simulation design, this product has the features of unique magnetic circuit, high magnetic intensity and large magnetic penetration depth.

Adapting electrical pure iron material with high permeability and high saturation magnetic induction intensity, reducing the hysteresis loss, and improving the stability of the magnetic field.

The use of advanced varnished insulating and curing processing technology, protecting the coil will not be affected by dust erosion, the coil has a good insulation properties.

With positive rotating and negative rotating alternatively, the speed and time can be arbitrary adjusted in a high degree of automation.

Adapting special air duct design and forced air cooling, the coil heat release fast and with low temperature rise.

Low operation cost, less power consumption, energy saving and environmental protection.

Solution stirring intensity can be adjusted flexibly, the eddy current effect is good, stirring depth and scope is large.

It is equipped with advanced remote control system, the automation degree is high, it has manual and automatic function, the operation is simple and convenient.



There are multilayer ventilation slot between the induction coil of DC electromagnetic stirrer to pass cooling air, on both sides of the coil is provided with a wind guide cover, adapting two coils air inlet symmetrical cooling model, the coil temperature rise is low and magnetic field attenuation is small, further increased the penetration depth of furnace bottom and aluminum solution.

Rotating hollow shaft is provided on the magnetic yoke between two coils, there are many air vents on the top of hollow shaft, external has fixed wind guide ring, the cooling air go through wind guide ring and air vents into the inside of coil, the cooling resistance is small and heat release is fast.

The DC coil adopts a double layer disc winding process & 180° heat resistant and curing process, the coil has strongly adapt ability, stable & reliable operation and high safety.

Using the high performance conductive ring, the equipment works stable and reliable and has a long service life.

(Model)		JBDZ. 5Z	JBDZ. 10Z	JBDZ. 20Z	JBDZ. 30Z	JBDZ. 40Z	JBDZ. 50Z	JBDZ. 60Z
Stirrer main structure parameters								
	A	3000	3200	3300	3400	3500	6800	6800
	B	1400	1600	1700	1800	1900	1800	1800
	C	1500	1550	1630	1630	1750	1630	1630
mm	D	1650	1965	2160	2160	2260	2160	2160
(mm)	E	350	350	450	450	450	450	450
(kW)		11	15	18.5 22	22	30	30/ 22× 2	22× 2
(t)		2-5	5-15	15-25	25-35	5-15	45-65	55-65
(kg)		3820	4260	4750	5200	5900	10400	11300
the sensor parameters								
(kw)		6.2	10.8	16	25.7	30.8	41.2	51.4
(DCA)		20	30	40	50	60	80	100
(DCV)		310	360	410	514	514	514	514
		160						
(Hz)		0- 1.5						

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