

ABB RB1000-SSD_BOC RB1000-SAD_BOC Cleaning Bell datasheet

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This high flow atomizer increases performance and saves paint thanks to its integrated pattern control function. Using the high flow atomizer in combination with the ABB IRB5500 paint robot can also reduce your costs.

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RB1000-SSD_BOC / RB1000-SAD_BOC Outside Cleaning Bell

BOC (Bell Outside Cleaning) function is now added to the RB1000-SSD and RB1000-SAD. The atomizers are ready to clean the bell cup outside.



RB1000 high performance atomizer

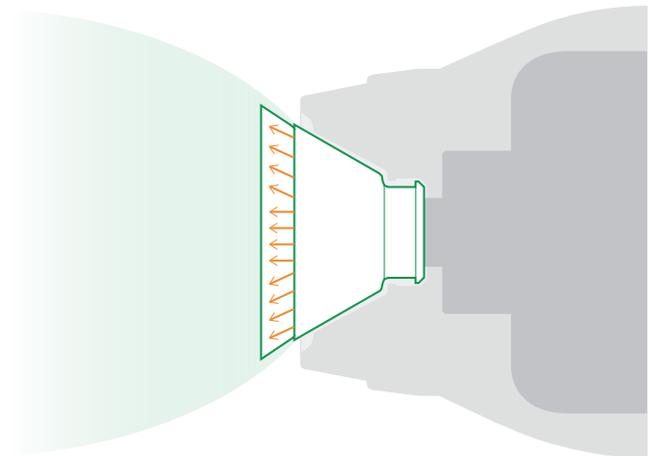
This high flow atomizer increases performance and saves paint thanks to its integrated pattern control function. Using the high flow atomizer in combination with the ABB IRB5500 paint robot can also reduce your costs.

BOC function

The Bell Outside Cleaning function, commonly referred to as BOC, is designed to remove contamination from the back side of the bell cup by flushing solvent discharged through the specially adapted channel while the front side of the bell cup is cleaned with the Nose Flush Thinner. Cleaning both sides of the bell cup in parallel enables faster bell cup cleaning, limits the need for an external cleaning unit and prevents material from building up on the back side of the bell cup. Built-up material could make the bell cup unbalanced and/or reduce paint efficiency.

Upgrading for RB1000-SSD / RB1000-SAD users

Spraying parameters might have to be optimized for RB1000-SSD / RB1000-SAD users. The dimensions of the RB1000-SSD_BOC / RB1000-SAD_BOC are almost the same as the non BOC type, about 2~3 mm longer depending on the bell cup size, hence it is basically possible to use the same robot program. The bell cup, shaping air nozzle, feed tube, atomizer body and valve base are newly designed. To use the BOC function, another air line for "shaft purge air" is required.



Back side of the bell cup is cleaned with the BOC function.

Technical Data*

RB1000-SSD_BOC / RB1000-SAD_BOC

Specifications

Product:	Product name	RB1000-SSD_BOC / RB1000-SAD_BOC		
	Bell cup size	70 mm (BOC-type), 40 mm (BOC-type)		
Air consumptions:	Shaping air	Inside (purge)	70 & 40 mm bell cup	Max. 600 NI/min, 0.3 MPa
		Outside (shape)	70 & 40 mm bell cup	Max. 600 NI/min, 0.3 MPa
	Bearing air	70 & 40 mm bell cup	Max. 80 NI/min, 0.8 MPa	
	Turbine air	70 mm bell cup	Max. 950 NI/min, 0.9 MPa	
		40 mm bell cup	Max. 650 NI/min, 0.6 MPa	
	Brake air	70 & 40 mm bell cup	Max. 300 NI/min, 0.9 MPa	
	Exhaust purge air	70 & 40 mm bell cup	Max. 300 NI/min, 0.6 MPa	
Flow rate:	Flushing	Main line	70 & 40 mm bell cup	Max. 1200 cc/min
		Bell cup (NFTH)	70 & 40 mm bell cup	Max. 1200 cc/min
	solvent	Dump line	70 & 40 mm bell cup	Max. 1200 cc/min

Dimensions

Model:	Dimensions:	TCP:
RB1000-SSD_BOC RB1000-SAD_BOC (w/70 mm bell cup)		
RB1000-SSD_BOC RB1000-SAD_BOC (w/40 mm bell cup)		

*Data and dimensions may be changed without notice.

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