

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

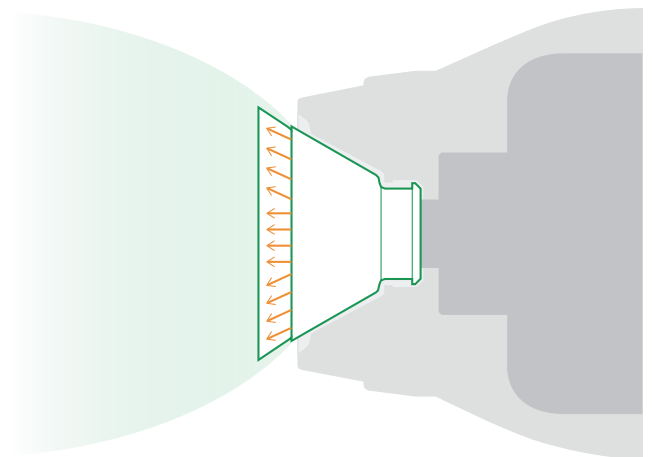
This high flow atomizer increases performance and saves paint thanks to its integrated pattern control function. Using the high flow atomizer in combination with the ABB IRB5500 paint robot can also reduce your costs.

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.

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
	Shaft purge air		70 & 40 mm bell cup	Max. 20 NI/min, 0.2 MPa
Flow rate:	Flushing solvent	Main line	70 & 40 mm bell cup	Max. 1200 cc/min
		Bell cup (NFTH)	70 & 40 mm bell cup	Max. 1200 cc/min
		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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