



Simple Installation! Small powerful air Blaster of a soft disk 360 degree injection air blow

Model	Code Number
ESB100	000902000

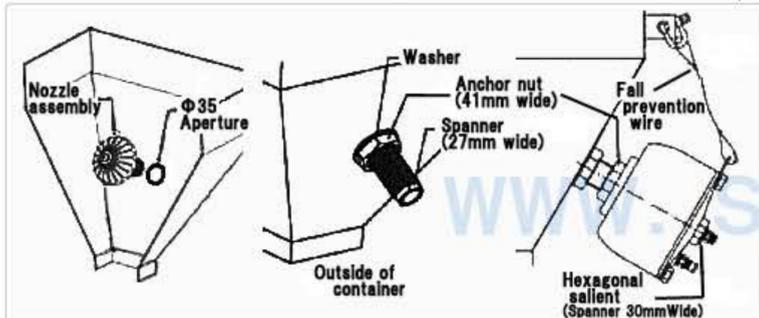


Feature Specification / Size / Installation

Soft disk Blaster of an air blast compressed air in a direction of 360 degrees, and makes adhesion and a blockade of bulk material resolution from the injection port of disk form. As compared with the aeration type of the conventional disk, it is the system which blast compressed air within a tank. Even when it is small, it loosens at the time of blast and is useful for adhesion and blockade prevention by an effect and momentary blasting power.

Welding of an injection nozzle is unnecessary at installation

The installation method of soft disk Blaster is simply makes a hole with a diameter of 35mm in the surface of a hopper or a tank. Installation work can be performed only by inserting an attached air intake pipe and attaching a soft disk from the inner side of a tank. Since nozzle welding is unnecessary like large-sized Blaster, a cost of work is save. When attaching a soft disk from the outside of a tank, make hole of 90mm or more. Then bolt fixation at a tank after attaching a soft disk blaster to a reinforcing fixation panel.



Main parts, such as a tank and a nozzle, made of stainless steel

The main parts of soft disk Blaster consist of stainless steel strong against corrosiveness. There is also no rust generating from a tank and the inside of a nozzle, and use in the clean state.

Heat-resistant silicone disk

The flexible disk made from silicone (soft disk) is adopted as a contiguity part with the work of soft disk Blaster. Silicone rubber is excellent in heat resistance, and suitable for the small hopper which processes incineration ashes etc., for example as the spot of high temperature service. (Maximum operating temperature is 150 degrees C) Safe data of silicone rubber.

1. Environmental impact nature. The substance set as the object of U.S. EPA "33/50 program" and "ozone-depleting substance regulation" is not contained.
2. Content heavy metal regulation. The substances (a lead, arsenic, chromium, cadmium, mercury, etc.) specified by the Clean Air Act and Water Pollution Control Law are not used.



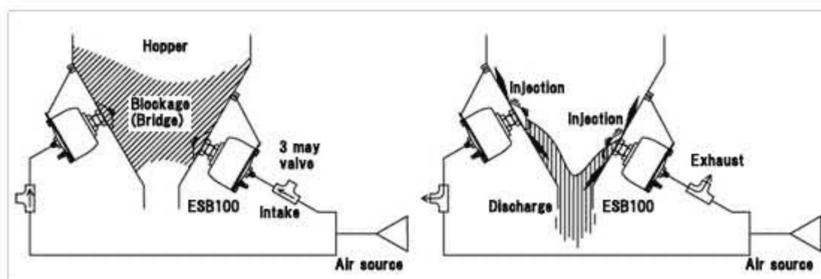
Excellent performance of the soft disk

A disk separates from the surface of a silo(hopper) for a moment at the time of the compression air discharge in a tank. Compression air has come out till the moment of closing, there is also almost no trouble by the adverse current of a bulk material. Since it is operating within a silo(hopper), operation sound does not reach the exterior easily and it is low noise. Moreover, soft disk is a made of rubber, it does not damage a silo.



Control by a knocker operating panel is also possible

Relay piping is possible and the operating panel lineup for a knocker relay piping can use. Since two or more sets can be operated by one set of a operating panel, save the cost.



Model	Working pressure (Mpa)	Stroke Cycle (time/min)	Air consumption (L/time(ANR))	Tank capacity (L)
ESB100	0.3~0.7	12	3~7	1
Model	Material		Available gas	Drop prevention wire diameter X length
	Valve	Soft Disk		
ESB100	SUS	Silicon	Compressed air or Nitrogen gas	Φ2X350
Model	Weight (kg)	Installation requirements		
		Diameter of discharge-jet installation opening	Adaptation minimum radius	Adaptation board thickness
ESB100	5.5	Φ35	R150 (Bore)	2~9

* A control equipment serves as an option.

Model	Working pressure (Psi)	Stroke Cycle (time/min)	Air consumption (ft ³ /time)	Tank capacity (gal)
ESB100	43.5~101.5	12	0.10~0.25	0.3
Model	Material		Available gas	Drop prevention wire diameter X length
	Valve	Soft Disk		
ESB100	SUS	Silicon	Compressed air or Nitrogen gas	Φ0.08X13.8
Model	Weight (lb)	Installation requirements		
		Diameter of discharge-jet installation opening	Adaptation minimum radius	Adaptation board thickness
ESB100	12.1	Φ1.4	R5.9 (Bore)	0.08~0.35

* A control equipment serves as an option.

dimensional drawing

