

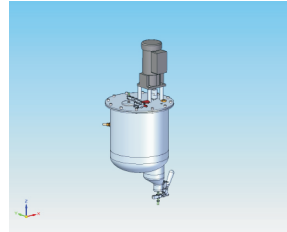
HIGH TEMPERATURE SYSTEMS, INC.

ROTOJECT

Flux Injector and Control Series



Various options available (refer to table)
Standard 30 rpm Model & Controls illustrated



Specifications:

- Input power: 110 VAC, 60 Hz., 1 Ph., 10 amp
- Gas Pressure input: 60 psi. max.
- Flux Feed rate: SEE TABLE
- Flux tank capacity: 20 lbs.
- Gas flow rate: 0.5 to 4.0 CFM
- Dimensions: 15" dia. x 38" lg.
- Weight: 105 lbs.

Features:

- PLC Controlled with digital readout of flux feedrate
- Touch screen operator interface option available
- Toggle switch cycle start and indicator lights showing gas and flux flow status
- Intermittent high pressure gas flow purge automatically controlled with a manual override to clear the injection lance
- Purges with gas at the beginning and end of every cycle to keep the injection system clean and free of clogs
- Flux is constantly agitated in the tank to keep it flowing smoothly
- Injects powder and granular fluxes below the metal line
- Flux injected through a graphite lance

Advantages & Cost effective Benefits:

- Self-cleaning and maintenance free with the self purging control feature
- Easy fill tank
- Simple unloading and cleaning of tank
- Compact, versatile design allows easily mounting near the furnace
- Easy and quick change-out of flux for different applications
- Improves metal quality by removing hydrogen and inclusions
- Helps reduce the quantity of dross produced and the metal content in the dross
- Assists to keep the furnace metal clean by reducing the amount of dross on the side walls
- Decreases labor costs of mechanically cleaning the furnace side walls
- Reduces the amount and cost of flux used by injecting it below the metal surface
- Helps produce a more consistent alloy by constantly feeding a small, precise quantity of flux throughout the process
- Automatic operation saves manual treatment labor cost

HTS Item No.	(rpm) min. speed	(rpm) max. speed	(lbs/min.) min. output	(lbs/min.) max. output	(lbs/hr.) min. output	(lbs/hr.) max. output
8023/15/.88	1.5	15	0.017	0.17	1.020	10.20
8023/30/.88	3.0	30	0.036	0.36	2.160	21.60
8023/30/1.38	3.0	30	0.106	1.06	6.400	64.00
8023/60/.88	6.0	60	0.057	0.57	3.420	34.20
8023/60/1.38	6.0	60	0.169	1.69	10.140	101.40

WHERE USED?

- Melting and Holding Furnaces
- Transfer Ladles

What option are you looking for?



Available on a two wheel cart for convenient moving to multiple locations with centralized gas supply.



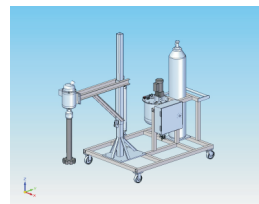
Available with a rotary degas system with unique automatically reversing motor rotation to prevent formation of vortex in molten metal.



Degas system can be permanently mounted, suspended from a hoist or provided with an automatic lift system.



Available on a four wheel cart with gas cylinder for complete portability of the fluxing system to multiple locations.



★ Please contact our experienced staff regarding the available options used with a transfer and/or circulation pump. Larger tanks are also available.

HIGH TEMPERATURE SYSTEMS, INC.

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