

Ultra-duty 95% efficient gear drive with generous service factor -- configured for high ambient temperature

Large air outlet plenum for minimum material carryover

Oversized hinged access door for quick cleanout and easy maintenance

Two sight windows standard

Heavy structural support stand as required for application

Large surge chamber With high level indicator

Vacuum take-off probes shown -- other discharge or conveying options available

Multiple material inlet Options and sizes available

High and low high temp vibrating type level sensors for filling and process control

Material temperature sensors as required for process monitoring and control

Unique dual air inlet plenum insures uniform hot air flow to internal diffuser, resulting in thorough heating of material from bottom of cone to top of hopper

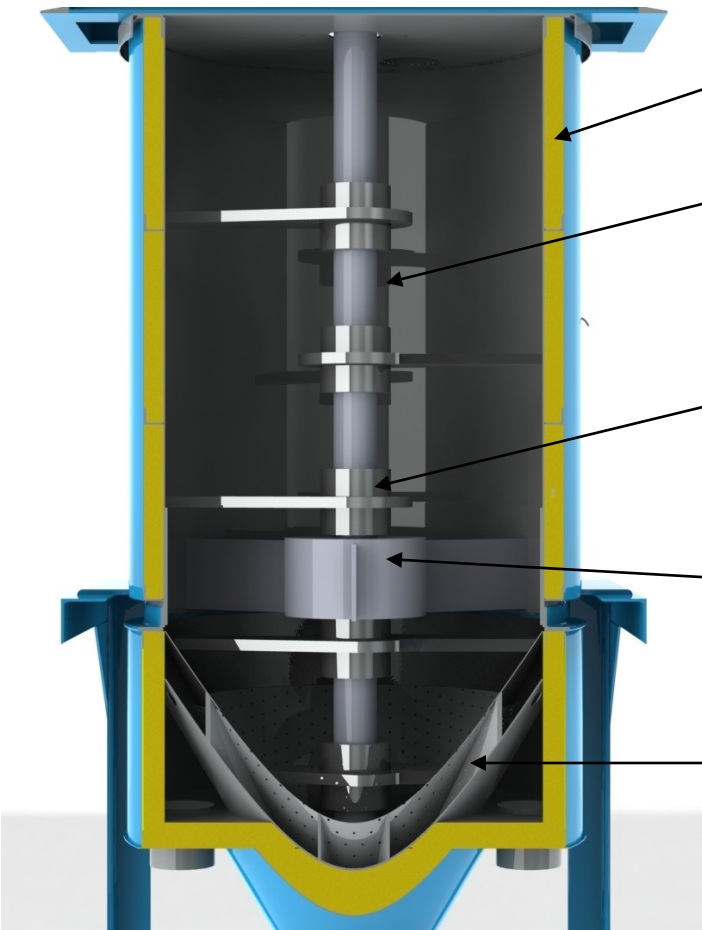
Multiple discharge control options are available [air operated gate, rotary feeder, screw feeder] depending on application

The Sly Process Systems "Super Duty" PET crystallizing hopper is ruggedly constructed using premium components configured to provide reliable "24/7" performance.

Unlike competitive units that often require frequent maintenance and repair, the SPS crystallizing hopper will operate continuously with little attention. The utilization of an ultra heavy duty gear drive, and "unbreakable" agitator shaft means more production with less downtime.

When properly applied, the SPS PET crystallizing system will handle amorphous virgin pellets or difficult post consumer flake with ease. Agglomerates that form during the crystallizing process are thoroughly conditioned prior to being discharged. It is rare to see two pellets stuck together, let alone the "golf balls" produced by other systems.

Contact your Sly Process Systems representative today to learn about the benefits of using our "Super Duty" crystallizer in your operation.



3" high temperature mineral wool insulation for efficient heat retention and personnel protection

Oversized agitator shaft will NEVER break

Heavy duty agitator arms are strategically placed around shaft to effectively reduce agglomerates to pellet sized pieces. Hubs are "hook keyed" to shaft and fastened with set screws -- not simply welded to shaft as with competitive systems.

Lower high temp graphite bronze bearing is protected from material contact. No grease is utilized so product contamination is eliminated.

Unique air distribution system ensures uniform flow of hot air. Air is channeled into the full cone diffuser through a series of holes to eliminate "hot spots" and uneven air flow.

Crystallizing Hopper Specifications

Hopper Model No.	Hopper Working Volume	Capacity @ 50 PCF (Pellets)	Capacity @ 20 PCF (Flake)	Drive RPM	Drive HP	Agitator Shaft Diameter	Hopper Inside Diameter	Hopper Shell Length	Bottom Cone Slope
AH-5	5 CF	250 lb	100 lb	5	1/2	1-15/16"	20"	24"	60°
AH-10	10 CF	500 lb	200 lb	5	1	2-7/16"	24"	36"	60°
AH-15	15 CF	750 lb	300 lb	5	1-1/2	2-15/16"	28"	42"	60°
AH-25	25 CF	1250 lb	500 lb	5	3	3-3/16"	34"	48"	60°
AH-38	37.5 CF	1875 lb	750 lb	5	5	4"	38"	54"	60°
AH-50	50 CF	2500 lb	1000 lb	5	5	4"	38"	72"	60°
AH-75	75 CF	3750 lb	1500 lb	5	7-1/2	4-1/2"	48"	72"	60°
AH-100	100 CF	5000 lb	2000 lb	5	10	5"	50"	84"	60°
AH-150	150 CF	7500 lb	3000 lb	5	15	5-1/2"	60"	84"	60°
AH-200	200 CF	10,000 lb	4000 lb	5	20	6"	66"	96"	60°
AH-250	250 CF	12,500 lb	5000 lb	5	25	6-1/2"	72"	96"	60°
AH-300	300 CF	15,000 lb	6000 lb	5	30	7"	76"	108"	60°