

HS Turbo Series®

SIMPLY ENGINEERED



Zero Purge Air Dryer



800.943.7924 www.easternairproducts.com

Dry, Reliable... Simple

HS TURBO DELIVERS SIMPLE PERFORMANCE

The Eastern Air HS Turbo provides exceptional air treatment, at the best price, best performance at the lowest operating cost. Standard units operate up to two complete shifts per day without the use of costly purge air. By providing as low as -40° F/C pressure dew point, the Turbo delivers air 3 times as dry as conventional refrigerated type dryers without the hassles of HVAC based systems. Because the system is pre-packaged with filtration, all you need to do is plug it in, set your regeneration clock, and go to work.

- *HS Turbo only switches once a day greatly reducing down time and component fatigue.*
- *The unique and adjustable regeneration system allows the turbo to recharge... anytime you need to do the same.*
- *Operating power cost is the lowest of all air dryers, even refrigeration types, with lower down time and maintenance.*
- *With standard operating dew point of -40° F/C and high efficiency Filters, air quality issues and moisture in air lines are a thing of the past.*

Set it and Forget it...

PRODUCT FEATURES:

Simple Operation

No moving parts during the drying cycle.

PLC Controlled

Reliable UL controller allows for user to decide when to regenerate.

Performance

HS Turbo delivers air three times as dry as traditional refrigeration systems. Service can be performed by maintenance personnel and does not require costly HVAC technicians.

Power

No dryer uses less power, including refrigeration. The HS Turbo is self regenerative and requires no compressed air during recharging.

Unique Regeneration System

Maintains constant temperature without cycling of the heater.



Turbo 60 Ready for Service

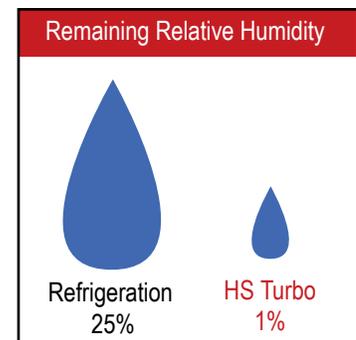


Figure 1

Quick Install—Smart Results

SYSTEM OPERATION—EASY AS 1,2,3



Typical Schematic



HS Turbo PLC Controller

- 1** Compressed air enters the dryer through a pre-coalescing filter where 99.9% of liquid oil, moisture and particles are removed.
- 2** Next the compressed air flows over the desiccant where water vapor is separated resulting in dew points as low as -60 F/C.
- 3** A final filter polishes the air and removes any desiccant and particle fines before delivering the clean, dry air.

Zero-Purge

- Unit uses no compressed air for purge. During regeneration, the HS Turbo unique heater blower combo activate to clean out the desiccant bed. The low KW heater and blower combinations result in ultra-low energy costs.

PLC Controller

- Every unit is provided with a digital display indicating unit operation and status of regeneration. The regeneration time can be field adjusted to anytime during a 24 hour clock and has a manual regeneration feature. The real time clock manages functions and has a 280 hour memory back up in the event of power failure. In the event of a system interruption or component failure, an alarm will indicate on the display. So smart, the unit even has built in daylight savings time.

Simple / Reliable

- Turbo sleeps while you work. During a normal operating day, your dryer will be a stationary object that has no chance of failure. The required KW to regenerate is lower than any competitive dryer.

Advantage HS Turbo—Lowest Cost of Ownership

CAPACITY (SCFM)	REFRIGERATION		DESICCANT		
	NON-CYCLING	CYCLING	HS SINGLE TOWER	HEATLESS TWIN TOWER	HEATED BLOWER PURGE
75	\$328	\$187	\$122	\$679	\$281
125	\$546	\$312	\$203	\$1,131	\$468
250	\$1,092	\$624	\$406	\$2,262	\$936
500	\$2,184	\$1,248	\$813	\$4,524	\$1,872
1000	\$4,368	\$2,496	\$1,625	\$9,048	\$3,744
1500	\$6,552	\$3,744	\$2,438	\$13,572	\$5,616

Typical Annual Operating Costs based on two shift operation and \$ 0.10 / KW

Turbo Product Specifications

MODEL	SCFM @ 100 PSIG	Electrics	Line Size (inches)	Dimensions L x D x H (inches)	Unit Weight (lbs)	Maximum Pressure (PSIG)
HS60	60	115V/1	1/2	28 x 28 x 71	115	150
HS100	100	115V/1	1	32 x 32 x 71	140	150
HS150	150	115V/1	1	32 x 32 x 71	195	150
HS200	200	115V/1	1 1/2	46 x 26 x 72	345	150
HS250	250	115V/1	1 1/2	46 x 26 x 72	475	150
HS300	300	460V/3	1 1/2	48 x 28 x 72	550	150
HS400	400	460V/3	1 1/2	60 x 48 x 82	625	150
HS500	500	460V/3	2	60 x 48 x 82	700	150
HS650	650	460V/3	2	60 x 48 x 82	750	150
HS800	800	460V/3	2	60 x 48 x 82	780	150
HS1000	1000	460V/3	3 FL	50 x 60 x 86	850	150
HS 1200	1200	460V/3	3 FL	50 x 60 x 86	925	150
HS 1600	1600	460V/3	3 FL	56 x 62 x 82	1050	150
HS 2100	2100	460V/3	4 FL	56 x 62 x 82	1380	150
HS 2600	2600	460V/3	4 FL	60 x 68 x 84	1575	150
HS 3000	3000	460V/3	4 FL	60 x 68 x 84	2100	150

STANDARD EQUIPMENT:

- Pre and after filters installed
- PLC controller
- Industrial duty blower
- Low watt incoloy heater
- Heater protection
- Dew point sight glass
- Tower pressure indicator
- Adjustable regeneration system
- Purge exhaust muffler
- Pre-filter differential pressure indicator
- Pre-filter drain
- Full charge USA desiccant

OPTIONAL EQUIPMENT:

- 3 Valve Bypass
- Pressures to 800 PSIG
- Temperature control monitor
- Dual Filters
- Zero-air loss drain



100% Satisfaction Guarantee
If within 30 days your not completely satisfied with your HD Zero Purge Air Dryer® you may return the unit for a full refund.



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