ZEKS
COMPRESSED AIR SOLUTIONS®

HSK Series: 10-150 SCFM
HSH Series: 200-250 SCFM



HeatSink

TRUE-CYCLING REFRIGERATED COMPRESSED AIR DRYERS

ZEKS HeatSink™ air dryers bring advanced air treatment technology to 2.5 - 50 horsepower compressed air systems. True-Cycling™ dryer operation adapts to the user's compressed air demands, turning the refrigeration system off during periods of low compressed air usage or reduced ambient temperatures, thereby saving energy. This design is particularly well-suited for applications with fluctuating air requirements, as traditional non-cycling dryers continue to operate, even when compressed air usage has ceased.

Efficiency, Reliability and Performance

ZEKS brings together more than fifty years of compressed air treatment knowledge and the latest dryer technology. HSK & HSH Series dryers include a multi-layer heat exchanger that integrates a precooler/reheater, chiller, evaporator and moisture separator for high operating efficiency. This all-aluminum module, patented by ZEKS, has low pressure drop to positively affect a user's entire compressed air system.

- Energy-Saving Operation
- Pre and Post Filtration
- Multi-Layer Heat Exchanger
- 38°F Dew Point Air Quality
- Digital Dryer Control
- Low Pressure Drop
- Convenient Installation

Uses

R-513A

Refrigerant:
Low GWP (<700)

www.zeks.com

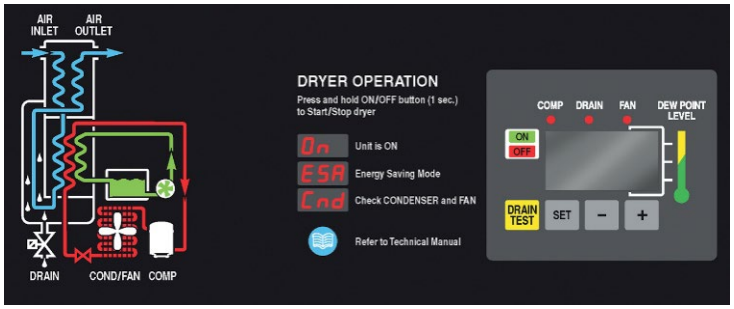
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Digitally Controlled Operation

HeatSink dryers are controlled automatically through a panel-mounted digital controller with illuminated display:

- Display of dryer operating status
- Energy savings indication
- Condensate drain timing/test interface
- Visual indication of faults, drain open and condenser fan operation



Standard Features



- Multi-Layer Heat Exchanger - Integrated functionality includes precooler/reheater and low pressure drop
- Pre and Post Filtration – ZEKS Grade G & H filters protect dryer and downstream processes
- Advanced Digital Controller - Automatic dryer control; Drain setting; Performance and fault display
- R-513A Refrigerant - Highly efficient; Small charge volume; Environmentally friendly
- Timed Solenoid Condensate Drain - Time adjustment via digital controller to match conditions
- Filterstop/Strainer Drain Connection - Protects drain from debris and is easy to clean
- Certified to UL standard 60335-1 & 60335-2-40
- Simple Electrical Connection - Standard 3-prong plug with ground (10-150cfm)†
- Galvanized Internal Structure - Corrosion resistant for long service life
- Powder Coated Enclosure - Durable finish for long life

† *Dryer requires a dedicated electrical circuit.*

Optional Features

- 3-Valve Bypass - Isolates dryer from compressed air system
- External Gauge Package - Display of pressure and temperature - field installed
- No-Air Loss Drain - Conserves compressed air energy - field installed; externally mounted (75-250cfm)
- NEMA 4 (150HSK, 200-250HSH) – Affords electrical protection against dust and splashing / falling water

Technical Specifications

ZEKS Models	Flow Rate SCFM	In/Out Air Connection	Pressure Drop PSID	Dimensions W x D x H	Voltage	Weight lbs
10HSK	10	1/2" FPT	0.46	19.7 x 15.2 x 26.5	115/1/60	130
18HSK	18	1/2" FPT	0.8	19.7 x 15.2 x 26.5	115/1/60	130
25HSK	25	1/2" FPT	1.22	19.7 x 15.2 x 26.5	115/1/60	135
35HSK	35	1/2" FPT	2.1	19.7 x 15.2 x 26.5	115/1/60	140
50HSK	50	3/4" FPT	0.77	19.7 x 15.2 x 26.5	115/1/60	145
75HSK	75	1" FPT	1.38	22.4 x 16.6 x 30.4	115/1/60	175
100HSK	100	1" FPT	2.36	22.4 x 16.6 x 30.4	115/1/60 230/1/60	180
125HSK	125	1" FPT	3.56	22.4 x 16.6 x 30.4	115/1/60 230/1/60	185
150HSK	150	1.5" FPT	1.8	19.6 x 30.3 x 37.5	115/1/60 230/1/60	263
200HSH	200	1.5" FPT	1.9	22.9 x 32.5 x 49.3	230/3/60 460/3/60	490
250HSH	250	1.5" FPT	2.1	22.9 x 32.5 x 49.3	230/3/60 460/3/60	490

MEMBER OF CAGI Compressed Air & Gas Institute

ZEKS HeatSink™ compressed air dryers are not designed, intended or approved for breathing air applications.

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