ZEKS
COMPRESSED AIR SOLUTIONS®

NCF Series: 7-50 SCFM
NCJ Series: 75-200 SCFM
NCH Series: 250 SCFM
HTC Series: 15-100 SCFM

NC Series HTC Hi-Temp

NON-CYCLING REFRIGERATED COMPRESSED AIR DRYERS

Compressed air powers essential tools and equipment, but untreated air can cause damage, product defects, and costly maintenance. ZEKS NC Series™ air dryers remove moisture and contaminants, delivering high-quality air that enhances production efficiency and reduces ownership costs.

Sustainability meets reliability and performance

With R513A refrigerant standard across the entire series, ZEKS dryers offer enhanced sustainability without compromising performance. This low Global Warming Potential (GWP) refrigerant supports compliance with environmental regulations while maintaining the same reliable operation and compact footprint. It's a smart choice for facilities looking to reduce their environmental impact and future-proof their operations. By choosing ZEKS dryers, you're investing in a solution that reduces emissions while maintaining high performance and reliability.

Independently Verified Performance

Through participation in the Compressed Air and Gas Institute (CAGI) Performance Verification Program, actual performance and energy consumption of 75-250 scfm ZEKS NC dryers have been independently validated against CAGI Data Sheets. Visit www.zeks.com to view ZEKS refrigerated dryer Data Sheets.

Now with

R-513A

Refrigerant

www.zeks.com

NC Series

NON-CYCLING REFRIGERATED COMPRESSED AIR DRYERS

Efficient, Reliable and Built for Performance

ZEKS NC Series Non-Cycling dryers deliver clean, dry compressed air, protecting tools, equipment, and processes from moisture-related damage. With capacities ranging from 7 to 250 SCFM, these dryers are engineered for versatility and long-term reliability. Their compact design, advanced constant pressure valve, and variable-speed fans ensure consistent performance while optimizing energy use. Whether you're upgrading an existing system or designing a new one, ZEKS NC Series dryers offer dependable moisture control for a wide range of industrial applications.

Standard Features

- **R513A Refrigerant** - Pair efficiency with sustainability with a low Global Warming Potential (GWP) Refrigerant
- **Tested to the latest Standards** - Safety certified to UL 60335-1 & 60335 2-40 and CSA standards
- **Timed Solenoid Drain** - Automated condensate drain system for all models; internally mounted
- **Powder Coated Enclosure** - Industrial grade protection and finish
- **Increased Adaptability** - Now with 12 models available in capacities from 7 – 250 SCFM, these dryers are ideally suited to meet varying air systems needs with 2.5 – 40 compressor horsepower

Additional Features for 75 – 250 SCFM

- **Pre and Post Filtration** - ZEKS Grade G & H filters protect dryer and downstream processes; shipped loose
- **Fan Speed Control** - Optimize energy savings while providing consistent dew point with a variable speed fan that automatically adjusts to low load conditions
- **Microprocessor Controller** - Dryer functions and drain operations are microprocessor-controlled

ZFC Compressed Air Filters

Engineered for superior performance, our ZFC filters reduce contamination in compressed air to protect critical processes and pneumatic equipment. Now standard (shipping loose) on our 75-250 SCFM units, these filters are recommended for use with all NC Series dryers. Protect your investment and processes with this versatile, low-pressure drop, long element life filter option. Available in 4 elements grades to meet your application.

HTC Series

HI-TEMP REFRIGERATED COMPRESSED AIR DRYERS

Engineered for High-Temperature Demands

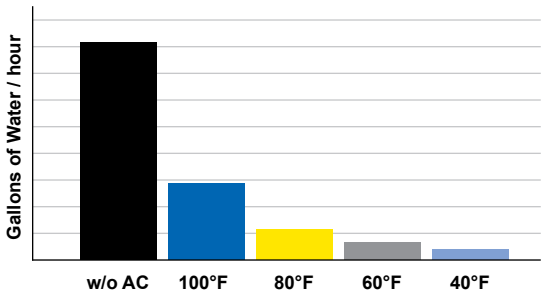
The ZEKS HTC Series™ is purpose-built for high-temperature compressed air applications, especially those using reciprocating compressors with discharge temperatures up to 200°F. With a compact footprint and integrated components like an aftercooler, moisture separator, and time-solenoid drain, the HTC Series simplifies installation while delivering reliable, energy-efficient performance. Available in six models from 15 to 100 SCFM, it's the ideal solution for industrial environments that demand consistent moisture removal and long-term durability.

Standard Features

- **R513A Refrigerant** - Pair efficiency with sustainability with a low Global Warming Potential (GWP) Refrigerant
- **Integrated Air-Cooled Aftercooler** - Efficiently lowers inlet air temperature
- **Air-to-Air Exchanger** - Economically cools air for energy savings
- **High Inlet Temperature Design** - Designed to perform up to 200°F air inlet temperature
- **Factory Tested and UL Listed** - Safety certified to UL 60335-1 & 60335 2-40 and CSA standards

Additional Features for 60-100 SCFM

- **Internal Filter Element** - 1.0-micron internal filter separation element
- **Microprocessor Controller** - Compressor on/off LED; fault alarm notification with touchpad user interface



Moisture Content of Compressed Air

Ambient air contains a significant amount of water vapor. Once compressed and allowed to cool, moisture condenses out of the air stream. For air compressors without an aftercooler, a substantial amount of moisture remains in the air stream ahead of the dryer. Thanks to the internal aftercooler of the ZEKS HTC dryers, this excess moisture is captured and removed from the air stream.

NC Series
HTC Hi-Temp

NON-CYCLING REFRIGERATED COMPRESSED AIR DRYERS

Technical Specifications – NC Series

Model	Inlet Flow SCFM*	Overall Dimensions W IN.	D IN.	H IN.	Shipping Weight LBS.	In/Out Air Connect Size	Power Consumption kW**	Refrigerant Type	Max Working Pressures	Voltages
7NCFA1D00	7	12.6	12.6	15.3	45	3/8" MNPT	0.15	R-513A	200 PSIG	115/1/60
11NCFA1D00	11	12.6	12.6	15.3	45	3/8" MNPT	0.16	R-513A	200 PSIG	115/1/60
15NCFA1D00	15	12.6	12.6	15.3	45	3/8" MNPT	0.16	R-513A	200 PSIG	115/1/60
25NCFA1D00	25	15.4	16.9	17.5	58	1/2" FNPT	0.27	R-513A	200 PSIG	115/1/60
32NCFA1D00	32	15.4	16.9	17.5	58	1/2" FNPT	0.27	R-513A	200 PSIG	115/1/60
42NCFA1D00	42	15.4	16.9	17.5	69	1/2" FNPT	0.51	R-513A	200 PSIG	115/1/60
50NCFA1D00	50	15.4	16.9	17.5	69	1/2" FNPT	0.52	R-513A	200 PSIG	115/1/60
75NCJA100G	75	15.2	19.7	24.3	94	3/4" FPT	0.66	R-513A	200 PSIG	115/1/60
100NCJA100G	100	15.2	19.7	24.3	99	3/4" FPT	0.85	R-513A	200 PSIG	115/1/60
150NCJA100G	150	19.7	30.3	37.5	154	1 1/2" FPT	0.88	R-513A	200 PSIG	115/1/60
200NCJA100G	200	19.7	30.3	37.5	170	1 1/2" FPT	1.12	R-513A	200 PSIG	115/1/60
250NCHA400G	250	20.9	31.8	49.3	440	1 1/2" FPT	1.52	R-513A	200 PSIG	460/3/60

* Performance based on ISO 7183, table 2, option A2. (100 psig inlet air pressure; 100°F inlet air temperature; 100°F ambient air temperature)

** Average kilowatts per hour of dryer operation at full rated capacity. NEMA 1 electrical, standard

Technical Specifications – HTC Hi-Temp

Model	Inlet Flow SCFM*	Overall Dimensions W IN.	D IN.	H IN.	Shipping Weight LBS.	In/Out Air Connect Size	Power Consumption kW**	Refrigerant Type	Max Working Pressures	Voltages
HTC015AD0	15	14.6	16.9	29.7	110	3/4" MNPT	0.48	R-513A	200 PSIG	115/1/60
HTC025AD0	25	14.6	16.9	29.7	110	3/4" MNPT	0.51	R-513A	200 PSIG	115/1/60
HTC035AD0	35	14.6	16.9	29.7	117	3/4" MNPT	0.64	R-513A	200 PSIG	115/1/60
HTC060AD0	60	16.6	22.4	30.0	123	3/4" FNPT	0.61	R-513A	200 PSIG	115/1/60
HTC080AD0	80	16.6	22.4	30.0	128	3/4" FNPT	0.77	R-513A	200 PSIG	115/1/60
HTC100AD0	100	16.6	22.4	30.0	132	1" FNPT	1.16	R-513A	200 PSIG	115/1/60

* Performance based on ISO 7183, table 2, option A2. (100 psig inlet air pressure; 150°F inlet air temperature; 95°F ambient air temperature)

** Average kilowatts per hour of dryer operation at full rated capacity. NEMA 1 electrical, standard

ZEKS NC Series compressed air dryers are not designed, intended or approved for breathing air applications.

MEMBER OF CAGI Compressed Air & Gas Institute

 NC 10-250 & HTC 15-100 1025

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