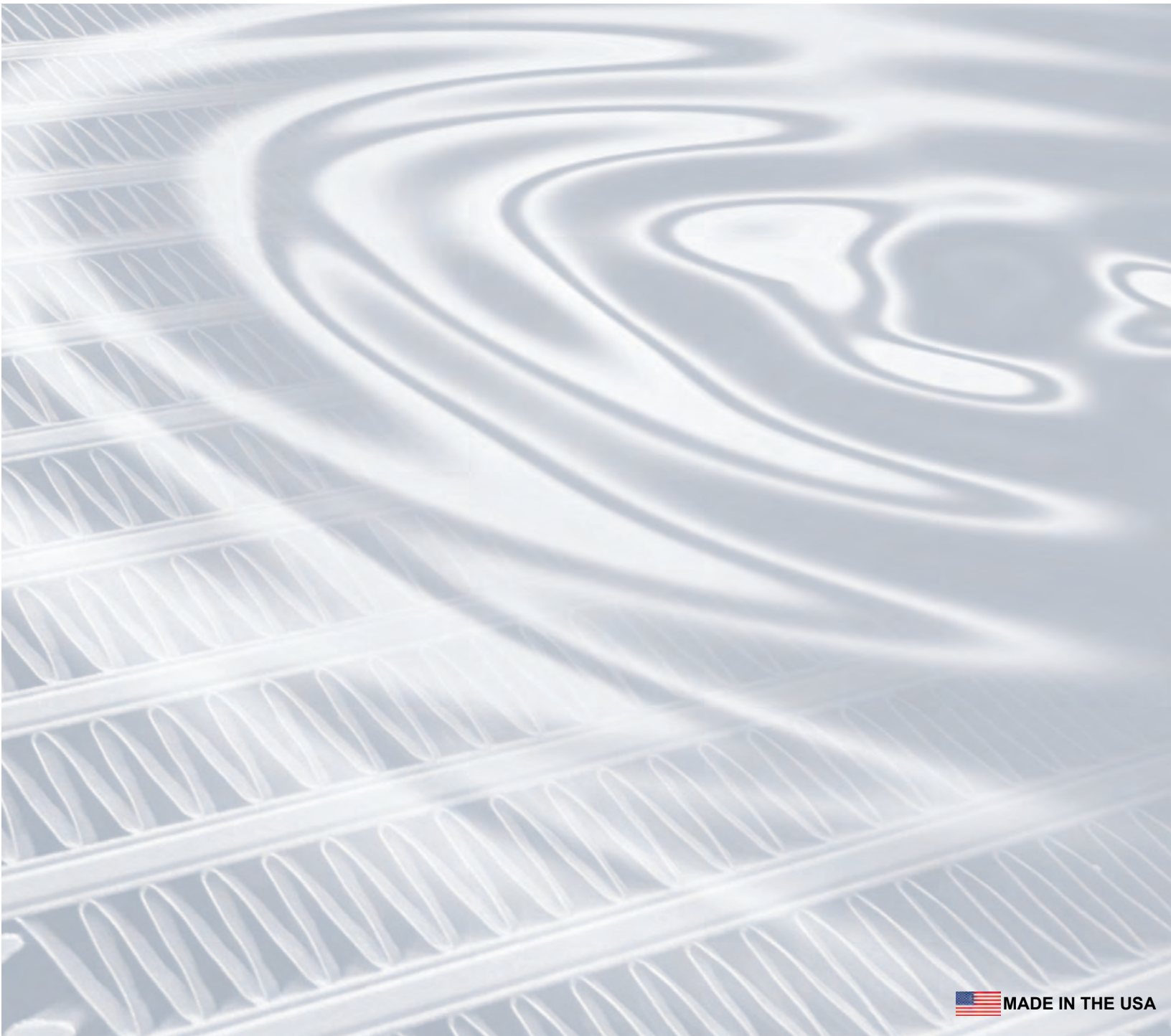




HYDRAULIC CONDITIONING UNIT
GLOBAL STANDARD COOLER
Cool-Line HCU



PRODUCT INFORMATION

AKG Cool-Line is a standard line of products from the market leader in high performance aluminum cooling systems. AKG is best known for its world-wide presence, German engineering, reliable product quality and very competitive prices.

The Cool-Line models embraces an all-purpose complete cooling systems that is suited for rugged environmental operating conditions. AKG's HCU features DC- or hydraulic-motor-driven fans with noise-optimization.

All of AKG's solutions have been developed with state-of-the-art technology, produced in compliance with the highest quality standards and are comprehensively tested.

FEATURES OF THE ACU MODEL

- Industry leading de-aeration technology
- The coolers are equipped non louvered low fouling fins
- Heat rejection of 18-Hp @ 80°F ETD
- Noise reduction automotive approved foam
- Corrosion resistant-Stainless steel / Aluminum construction with premium coating
- Vibration tested to military standards (MIL-STD 810)
- Sight glass



HCU-SERIES BENEFITS

- Highly flexible, ready to mount for offline cooling package
- Requires minimal space and ready to be installed
- Compact and robust design, field-tested in rugged real life conditions
- No hoses from cooler to tank - reduction of leak points
- Two internal check valves
- AKG offers competitive pricing and deliveries from stock through our exclusive distribution network.

CONFIGURATIONS

Brushless 12/24VDC Fan Drive

- Life: 40,000 hours
- Max speed 4,000-RPM
- Optional PWM Smart Controller & Wiring Harness

Hydraulic Fan Drive

- Maximum PSI 3,000-PSI
- Operating speed 3,500-RPM
- Optional proportional fan controls

Brushed 12/24VDC Fan Drive

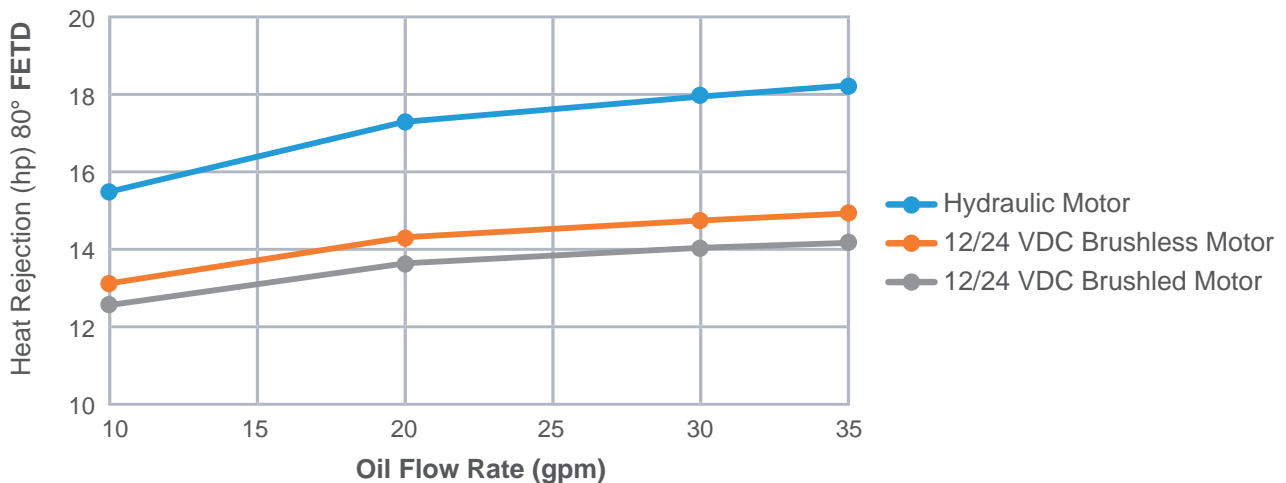
- Life: 10,000 hours
- Max speed 3,700-RPM
- Optional temperature switch

MARKETS SERVED

- Bulk Feed
- Crude oil transport
- Vacuum trucks
- Food & chemical transports
- Agriculture equipment
- LP Gas transport

PERFORMANCE DATA

HCU Performance Curves

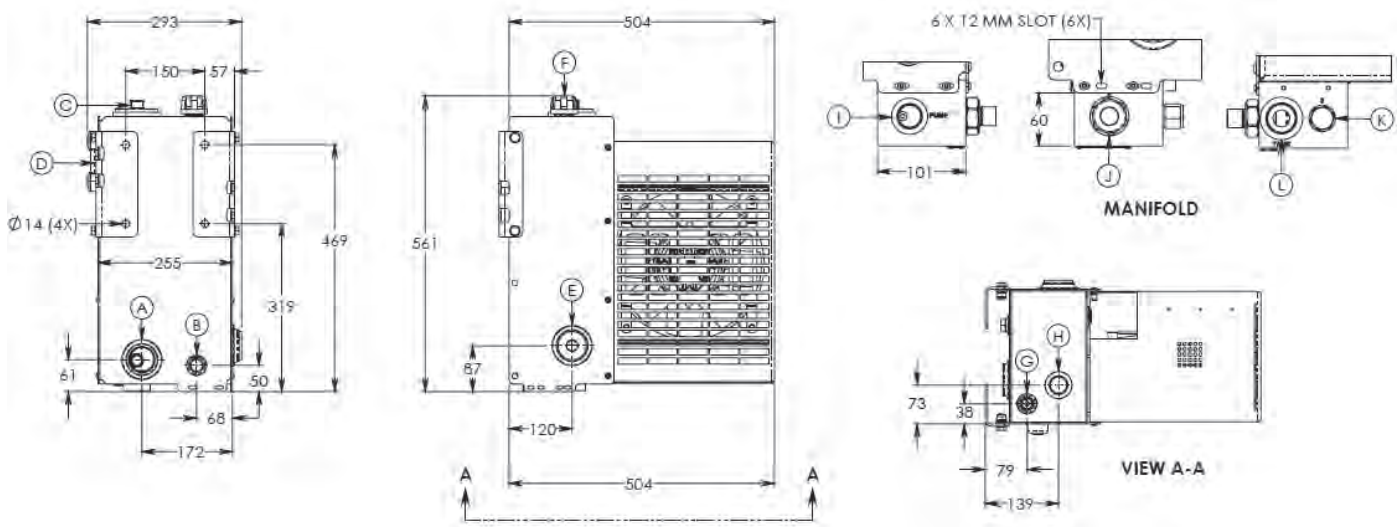


GLOBAL STANDARD Cool-Line HCU

SPECIFICATIONS

Cooler	Aluminum	Internal By-Pass	Dual
Shroud	Powder Stainless Steel	Maximum Working Temperature	250 F
Tank	Internally Fogged Carbon Steel	Maximum System Pressure	3,000 psi
Mounting Brackets	Powder Coated High Carbon Steel	Maximum Flow Rate	35 gpm
Maximum Flow Rate	35 gpm	Total Volume	3.9 gal
Filter	10 micron	Shipping Weight	??? lbs.

COOLER DIMENSIONS HCU



A	SUCTION PORT: SAE-24 1-7/8"-12 THD	E	VALVE ASSY & CLEANOUT PORT: SAE-24 1-7/8"-12 THD	I	PUMP-MOTOR: SAE-12
B	TEMP SENSOR PORT: SAE-8 3/4"-16 THD	F	10 MICRON FILTER	J	RELIEF VALVE
C	BREATHER	G	DRAIN PLUG: SAE-8 3/4"-16 THD	K	FLOW CONTROL
D	SIGHT GUAGE	H	FILTER RETURN PORT: SAE-16 1-5/16"-12 THD	L	TANK: SAE-16

ORDERING INFORMATION

SERIES CODE:

HCU35 = Standard Selected

MOTOR OPTION:

- 1 = 12 Volt Brushless fan drive
- 2 = 24 Volt Brushless fan drive
- 3 = Hydraulic fan drive
- 4 = 12VDC fan drive
- 5 = 24VDC fan drive

FEATURE OPTIONS:

- 1 = 12/24VDC brushless smart controller and wiring harness
- 2 = Hydraulic speed control manifold
- 3 = 12/24VDC temperature switch
- X = No operation options

ORDER EXAMPLE: HCU35 - with 12 VDC Brushless fan drive with smart controller and wiring harness **HCU35-1-1**



AKG Thermal Systems, Inc.
809 Mattress Factory Road
P.O. Box 189
Mebane, NC 27302-0189
USA

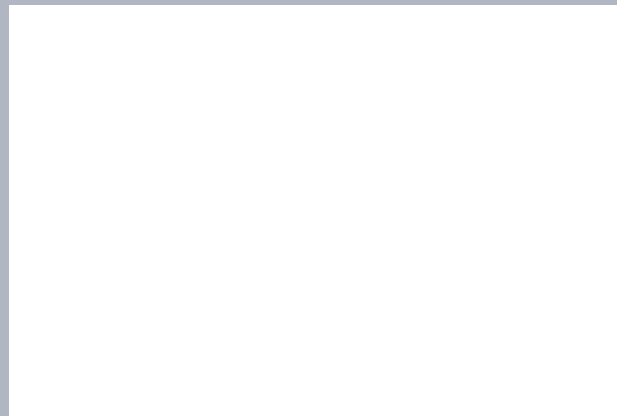
Tel: +1 919-563-48-71
Fax: +1 919-563-49-17
E-Mail: sales@akgts.com
Website: www.akgts.com

AKG – COOLING EXPERTS AROUND THE GLOBE

AKG is a globally leading supplier of high-performance coolers and heat exchangers as well as customized system solutions, which comply with the highest quality standards.

On a world-wide scale, 2,800 employees work at 12 manufacturing facilities located in Germany, France, United Kingdom, Latvia, the U.S.A., China and India. Together with many new oversea sales companies they are on duty around the clock.

Your AKG-Partner



AKG's longstanding partnership with global OEM customers from 22 markets supports the mobile and industrial pre-engineered solutions. AKG products are found globally in a variety of markets including construction machinery, compressed-air systems, agricultural and forestry machines, vehicle construction and many more.

AKG operates one of the world's most extensive research, development, measurement and validation centers for cooling solutions and customized applications.

For 100 years AKG's heat exchangers have stood for innovative solutions as well as highest engineering and manufacturing competence.