



High Performance Hydraulic Cooler

AKG HCU Series is a standard line of products from the market leader in high performance aluminum cooling systems. AKG is best known for its global presence, German engineering, and reliable product quality.

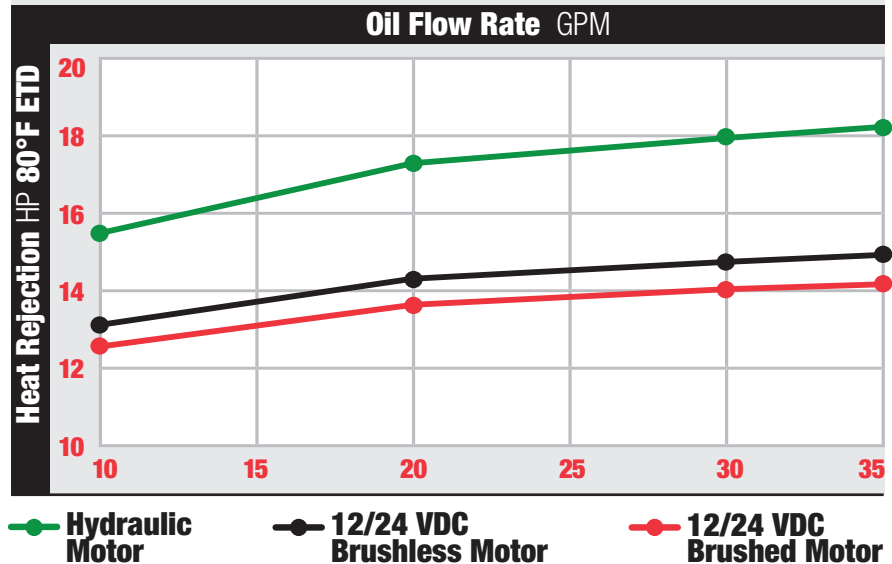
All of AKG's solutions have been developed with state-of-the-art technology, produced in compliance with the highest quality standards and are comprehensively tested.

HCU Series Model Features

- Hydronucleation technology for de-aeration
- Competitive pricing & assembles from stock
- Includes two internal bypasses
- All-purpose complete cooling systems with noise reduction options that is suited for rugged environmental operating conditions:
 - 12/24 VDC Brushless or Brushed
 - Hydraulic Drive
- Optional fan speed control

PATENT: US 10, 626, 897 B1

HCU PERFORMANCE CURVES



Distribution Centers

- Coquitlam** British Columbia
- Mount Pearl** Newfoundland
- Quebec City** Quebec
- Winnipeg** Manitoba

Remanufacturing & Distribution Centers

- Edmonton** Alberta
- Mississauga** Ontario - Steering -
- Mississauga** Ontario - Powertrain -
- Moncton** New Brunswick

WE ARE YOUR ONE-STOP DRIVELINE SOURCE SOLUTION!



TRUCK MOUNTED EQUIP

AKG® High Performance, Aluminum Hydraulic Cooler

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FEATURES OF THE HCU MODEL

- Industry leading patented de-aeration technology in reservoir
- The coolers are equipped with non-louvered low fouling fins
- Heat rejection of 18-hp @ 80°F ETD
- Noise reduction 3M adhered foam
- Stainless steel / Aluminum construction with premium coating
- Vibration tested to military standards (MIL-STD 810)
- Sight level glass

CONFIGURATIONS

BRUSHLESS 12/24VDC FAN DRIVE

- 40,000 hour fan motor life
- IP69 rated fan motor
- Optional PWM controller and wiring harness

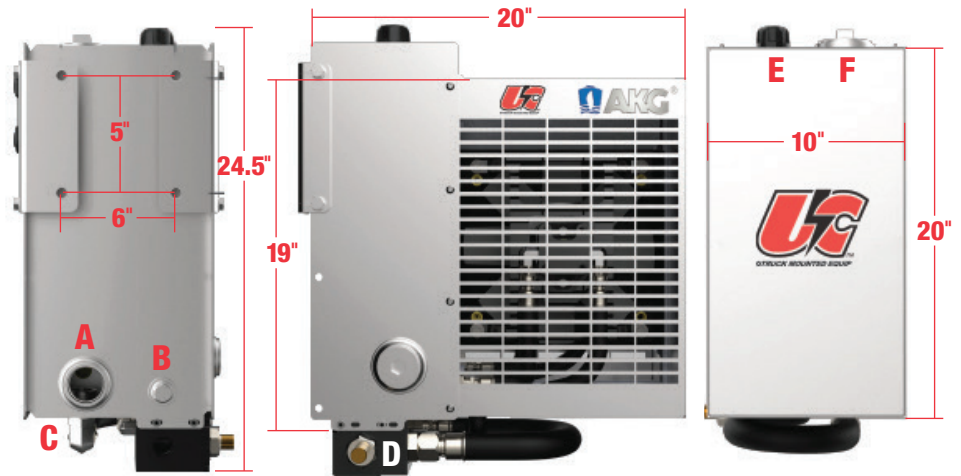
HYDRAULIC FAN DRIVE

- Maximum system pressure: 3,000 psi
- Operating speed: 4,000-rpm
- Optional pressure compensated fan drive

BRUSHED 12/24VDC FAN DRIVE

- 10,000 hour fan motor life
- IP68 rated fan motor
- Optional temperature switch

COOLER DIMENSIONS & FEATURE LOCATIONS



- A Suction Port** SAE-24 1-7/8"-12 THD
- B Temp Sensor Port** SAE-8 3/4"-16 THD
- C Filter Return Port** SAE-16 1-5/16"-12 THD

- D Relief Valve**
- E Breather**
- F 10 Micron Filter**

BENEFITS

- Highly flexible, ready to mount for offline cooling package
- Compact and robust design, field-tested in rugged real life conditions
- Optimized plumbing: reduction of leak points
- AKG offers competitive pricing and deliveries from stock through our exclusive distribution network
- Filter by-pass feature

MARKETS SERVED

- Bulk Feed
- Crude Oil Transport
- Vacuum Trucks
- Food & Chemical Transports
- Agriculture Equipment
- LP Gas Transport
- Creep Drive Systems

Contact ULT Powertrain for Distributor Partner Information



SPECIFICATIONS

Cooler	Bar & Plate Brazed Aluminum	System By-Pass	28 psi
Shroud	Stainless Steel	Filter By-Pass	25 psi
Tank	Low Carbon Steel	Working Temperature	250°F
Mounting Brackets	High Steel Low Alloy	Max System Pressure	3,000 psi
Maximum Flow Rate	35 gpm	Total Volume	4.4 gal
Filter	10 micron (200 micron option)	Shipping Weight	Approx. 105 lbs.

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