



# Cool-Line

# HCU

## HCU SERIES FEATURES

- Hydronucleation technology for de-aeration
- Competitive pricing and assembles from stock
- Includes two internal bypasses
- Fan Drive options:
  - 12/24 VDC brushless
  - 12/24 VDC brushed
  - Hydraulic drive
- Optional fan speed control



# GLOBAL STANDARD COOLING SYSTEMS (HCU SERIES)

## PRODUCT INFORMATION

**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.

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

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 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



## HCU-SERIES 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

## CONFIGURATIONS

### Brushless 12/24VDC Fan Drive

- 40,000 hour fan motor life
- IP69 rated fan motor
- Optional PWM Controller & Wiring Harness

### Hydraulic Fan Drive

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

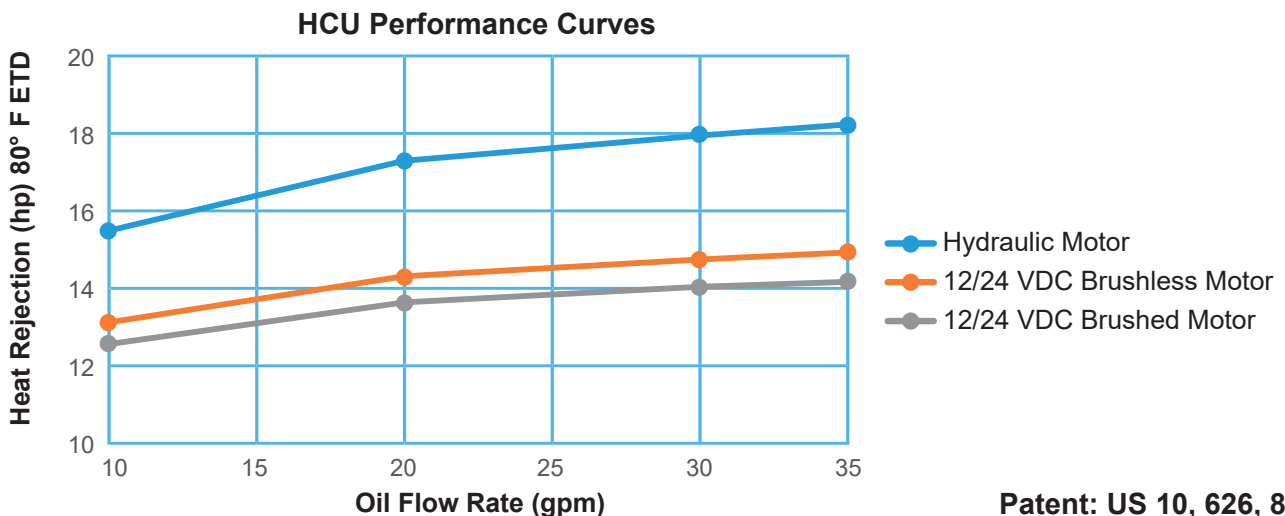
### Brushed 12/24VDC Fan Drive

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

## MARKETS SERVED

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

## PERFORMANCE DATA



Patent: US 10, 626, 897 B1

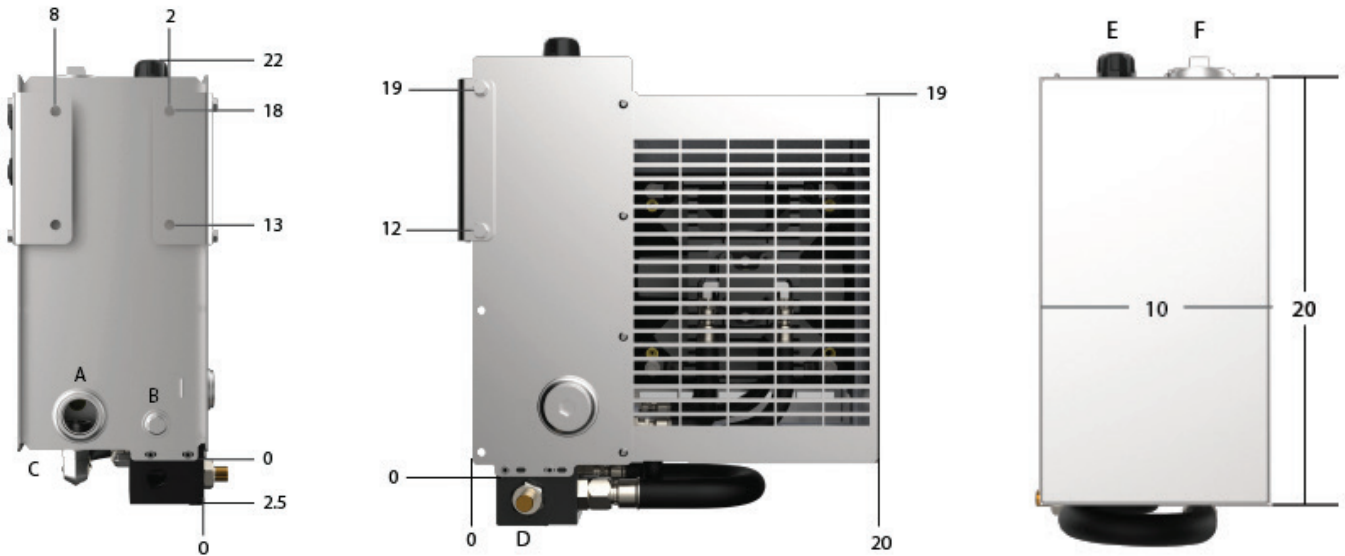
# GLOBAL STANDARD COOLING SYSTEMS (HCU SERIES)

## SPECIFICATIONS

Cooler	Bar and Plate Brazed Aluminum
Shroud	Stainless Steel
Tank	Low Carbon Steel
Mounting Brackets	High Steel Low Alloy
Maximum Flow Rate	35 gpm
Filter	10 micron (200 micron option)

System By-Pass	28 psi
Filter By-Pass	25 psi
Cooler Working Temperature	250 F
Maximum System Pressure	3,000 psi
Total Volume	4.4 gal
Shipping Weight (Dry)	Approx. 105 lbs.

## COOLER DIMENSIONS HCU



Dimensions are in inches

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

## ORDERING INFORMATION

SERIES CODE:

HCU35

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

MOTOR OPTIONS:

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

FEATURE OPTIONS:

- F2 = 200 Micron Filter

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