



CD - SERIES INSTALLATION MANUAL






***All pictures displayed above are for illustration purposes only. The CD- Series does not include the AC motor or any other component of the hydraulic system. The CD-Series will include only the cooler, shroud, mounting feet and bulb seal. Please consult factory for more questions.**

Safety First! THINK SAFETY

Please carefully read the installation instructions to avoid any form of accidents or injury while installing the CD- Series unit. There may be some hazards that this installation manual does not cover so the individual has to use their own judgment to avoid any unforeseen circumstances. The end user will take complete ownership for regular maintenance.

Warning:

	<p>Please be aware of the parts that will be hot during operation and always use heat resistant gloves for inspection or wait until the system cools down.</p>
	<p>Please make sure to turn off the main power supply while wiring the circuit. Improper wiring may cause shocks, burns and electrocution to the personnel and increases risk of damage to the system.</p>
	<p>The high pressure lines in the circuit cause danger to personnel operating the unit. An improper relief valve setting may cause personal injury, damage to the system and property.</p>

Installation Overview:

1. The CD-Series cooler is not suitable for the high pressure line application.
2. Please make sure to inspect for any loose or missing parts in the CD-Series assembly before installing the unit in the hydraulic system.
3. Do not exceed the maximum temperature and pressure rating to avoid cooler failure. The maximum temperature and pressure conditions can be found on the AKG cooler label.

Maximum cooler pressure: 235 psi

Maximum cooler temperature: 250F

4. Do not exceed the maximum flow rate of 50 gpm/18 feet per second near the inlet/outlet port (SAE-16) as it may damage the cooler.
5. Please use corrosion inhibitors if water based fluids are used in any type of applications to avoid corrosion as the cooler is made out of Aluminum.
6. **Use of a back-up wrench is required** to hold the cooler fitting while tightening the hose connections. Failure in doing so may result in the cooler fitting damage.
7. Please drain the low-pressure return lines before installing the CD Series.
8. The CD-Series mounting feet/brackets will be turned in to avoid any form of shipping damage so please make sure to rotate the mounting feet/brackets before installing it in the hydraulic system.
9. The CD-Series has multiple port locations for customer flexibility so please make sure to seal the unused ports with steel plugs before operating the unit to avoid leaks. At any given point of time, there should be only one inlet and outlet port to be used in the application and other ports need to be sealed with plugs.

Case Drain (CD) Series

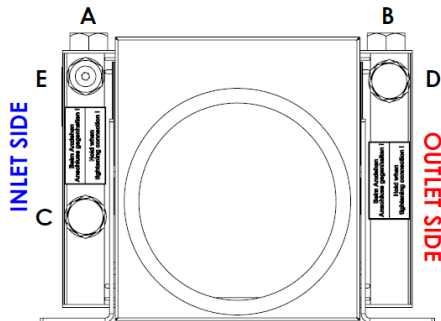


Note: Any label or warning signs removed by the customer or end user during installation or maintenance is subject to complete risk and AKG will not provide support if failure occurs even during the warranty period. All the warning labels will be pre-installed by AKG. The CD Series must not be used in any explosion proof environments. Please contact factory for more information. Failure to comply to the above installation procedures may void warranty in the future.

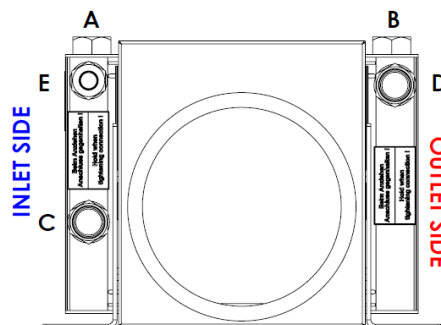
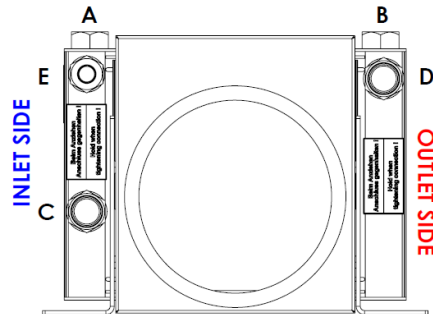
Multiple Port Option: (Inlet and outlet ports are reversible)



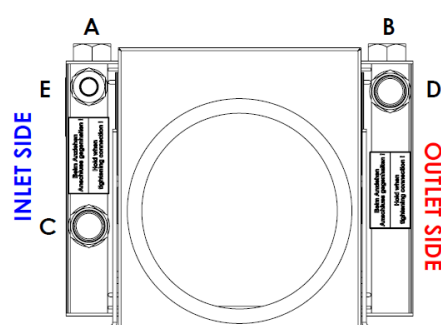
UNUSED PORTS C, D AND E INSTALLED WITH STEEL PLUGS



UNUSED PORTS C, D AND E WITH NO PLUGS

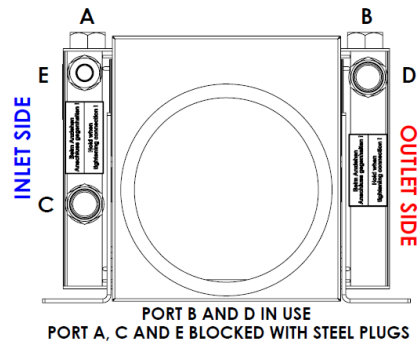
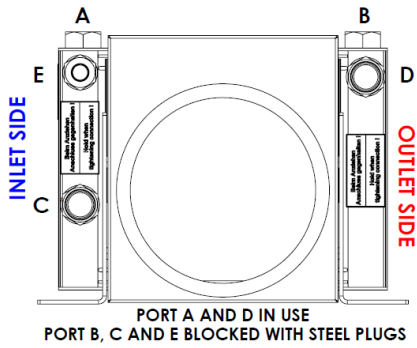


PORT C AND D IN USE
PORT A, B AND E BLOCKED WITH STEEL PLUGS

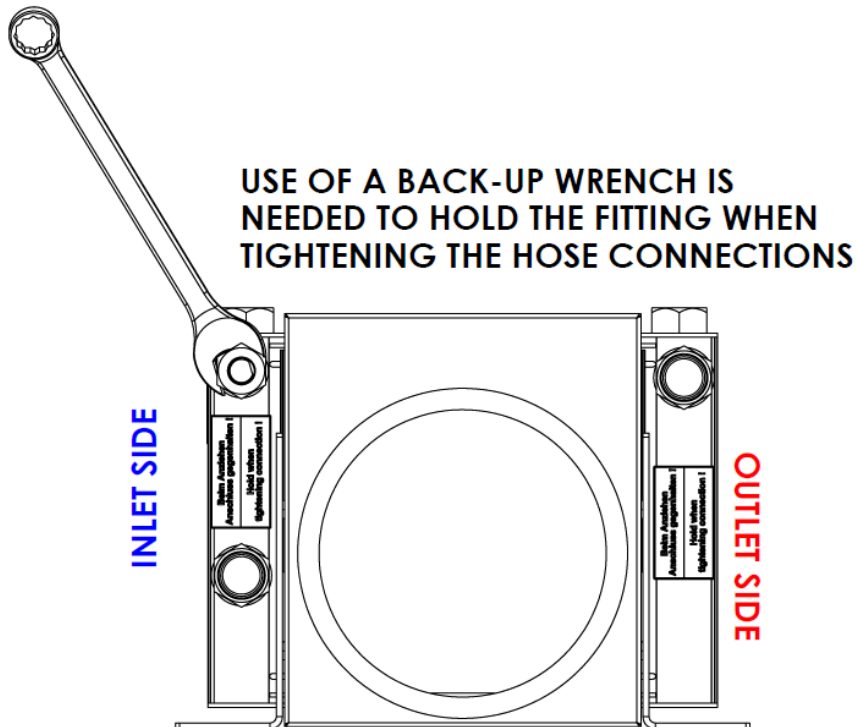


PORT A AND C IN USE
PORT B, D AND E BLOCKED WITH STEEL PLUGS

Case Drain (CD) Series



Hose Connection Installation Warning:



Unpacking CD Series and Mounting Feet Installation:

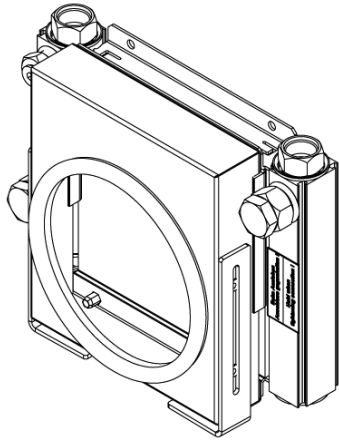


Figure 1: Brackets turned-in internally to avoid shipping damages

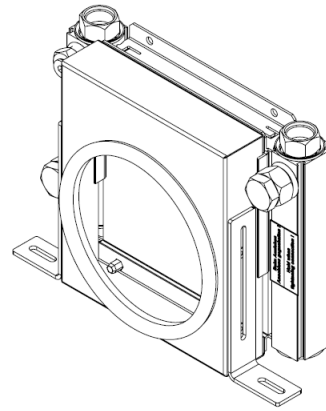


Figure 2: Brackets rotated by 180 degrees before field installation

Product Questions/Inquiry:

For any questions related to the product or installation, please do not hesitate to contact AKG through phone or email. To help save your time, we have FAQ's (Frequently Asked Questions) listed on our website that may help with your inquiries.

Phone: 919-563-4871; E-mail: sales@akgts.com ; [FAQ Link](#)

For any questions related to product warranty/returns, please follow the link below: [AKG Warranty and Returns](#) and [AKG RGA Form](#)