



Installation & Maintenance

Rear-Mount Oil Coolers

Electronic Catalog: HY10-1720-M1/US



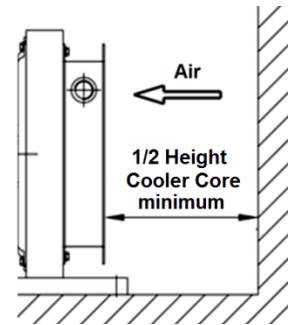
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Installation and Servicing Instructions: ULRM Rear-Mount Oil Cooler

NOTE: These instructions should be strictly observed prior to installation of ULRM cooler

Mounting

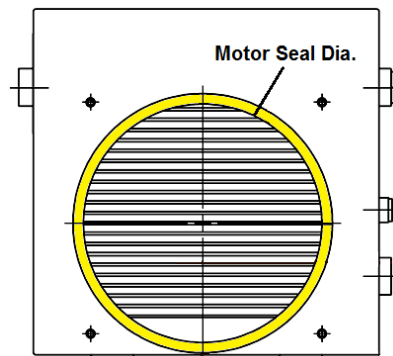
The ULRM oil cooler permits both suspended (vertical) and foot (horizontal) mounting. To prevent personal injury, always secure the cooler properly. The distance from the nearest wall should not be less than half the height of the cooler core.



Motor Seal

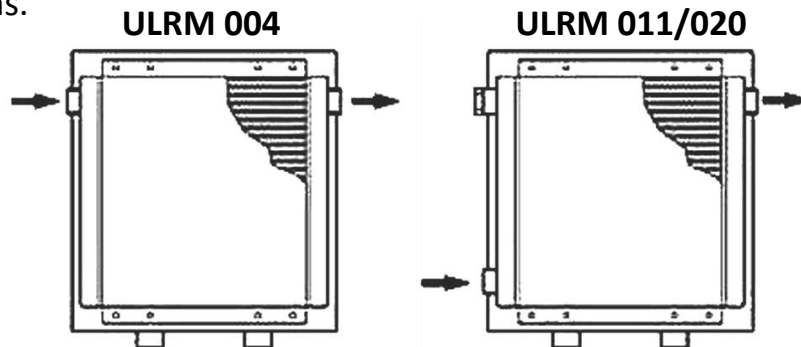
See chart for size of motor opening based on the motor frame size. The required length of the e-seal is the circumference of this opening. The values below represent an approximate length only. It is recommended to cut the seal slightly longer than the required length then adjust once it is mounted to the housing.

NEMA Frame Size	Motor Opening (J)	Approximate Length
56, 56H, 143T, 145T	6-1/4"	19-3/4"
182, 182T, 184, 184T	8-1/4"	26"
213, 213T, 215, 215T	9-3/4"	30-3/4"
254T, 254U, 256T, 256U	11-3/4"	37"
284T, 284TS, 284U, 286T, 286TS, 286U	13-1/4"	41-3/4"
324T, 324TS, 324U, 326T, 326TS, 326U	15-1/4"	48"



Hydraulic connection

Connect the cooler as illustrated below using hydraulic hoses both to and from the cooler. We recommend mounting in a separate cooling circuit; In case this is not possible, install the cooler in the system return line. Avoid linking to systems that could yield pressure spikes greater than 200 psi. Parker Hannifin Corporation shall not be liable for the consequences of any modification and/or variation with regards to connections.



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Rotating the cooler core

The core can be rotated in 90 degree intervals to add plumbing flexibility. Detach core from housing by removing 4 bolts. Dispose of used foam strips attached to housing. Rotate core and apply new foam strips to housing, making sure to cover unused bolt holes while making sure foam does not leave any air gaps between core and housing. Replace 4 bolts and washers and tighten to housing using manual wrench.

Prior to start-up

- Check the cooler core for damage
- Check that the cooler is correctly connected (see above). Parker Hannifin Corporation shall not be liable for the consequences of any variation.

Cleaning the cooler core

The easiest way to clean the air fins of the core is by using compressed air. Fouling can be dealt with using a high-pressure washing system and a degreasing agent. Flush with water afterwards.

Caution: When using a high-pressure washing system, point the jet parallel to the air fins. The cooler core should be cool before cleaning.

To clean the inside of the core, connect the core to a closed circuit and flush the inside with degreasing agent. After cleaning, the core should be flushed with the same fluid as used in the system itself.

Miscellaneous

- Contact Parker Accumulator & Cooler Division when using fluids that are very different to normal hydraulic fluid (ie. high viscosity fluids) or in extreme conditions.





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