

milwaukee
Cylinder

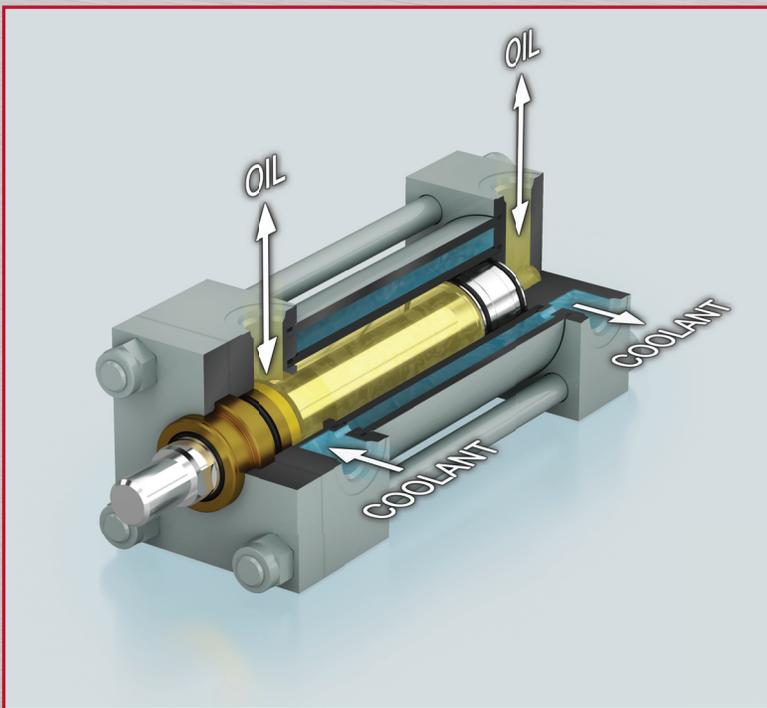
Specials are Our Standard



VULCAN

SERIES

Cylinder Solutions for
High Temperature Applications



Scorching temperatures, continuous cycles, rugged operations—the environment you work in is tough, so why shouldn't the cylinders you use match that standard?

The Vulcan Series:
Perfect for your high temperature needs

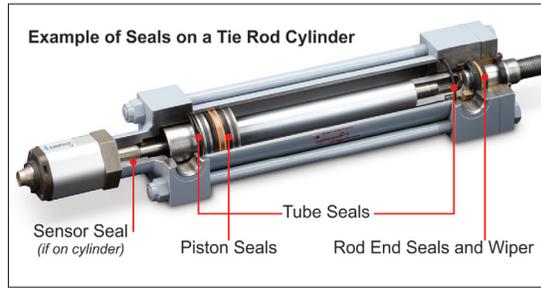
- Foundries
- Casting
- Steel Mills
- Plastics
- Glass Mfg.

Consequences of Overheating

First problem: Seals. Seals are designed to operate below specific temperatures, typically 180°F. When seals are heated above their specifications, most seals will not function properly, leading to leakage and system contamination.

Second problem: Oil. At higher temperatures, oil degradation typically occurs faster, leading to increased friction, heat build-up, contamination, and potentially mechanical failures.

To remedy overheating, there are options—a properly designed hydraulic system with built in cooling, insulation from the heat source, or external cooling ventilation. However, if these cooling options can't work, consider the Vulcan Series. We designed the Vulcan Series exactly to handle high temperature requirements!



Vulcan Offering

The Vulcan Series is a collection of options designed to allow a cylinder to operate at higher temperatures. These options include various high temperature seals and water cooled solutions. Having high temperature options allows Milwaukee Cylinder to offer the best high temperature solution for your specific need. Our solutions start with our highly durable, industry leading Milwaukee Cylinder technology, and then this technology is further enhanced with our high temperature Vulcan Series options.

- Extremely tough, durable NFPA tie-rod cylinder
- Heat tolerant seal options
- Water cooled jacket and bushing designs
- High temperature protective rod boots

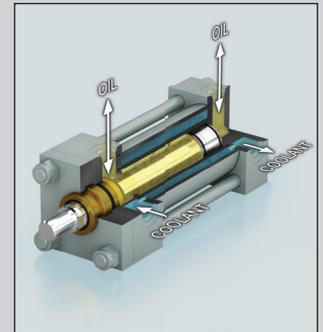
Application Support

At Milwaukee Cylinder, we know every customer is unique. Specials are our standard—Milwaukee Cylinder and our distribution partners will work with you based on your application needs to get the solution you will be completely satisfied with. Contact Milwaukee Cylinder today to optimize your operational efficiency!

Your *Milwaukee Cylinder* Distributor

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phone 414.769.9700 • fax 414.769.0157

Water Cooled Solutions are great for high ambient temperature applications.



SOLUTIONS FOR HIGH HEAT APPLICATIONS	
WATER COOLED OPTIONS:	
Cooling Water Bushing	↑ HIGH HEAT
Cooling Water Jacket	
SEALS:	
PTFE based	↓ LOW HEAT
Fluorocarbon	
Nitrile	

Due to manufacturing processes and product improvements, please check website for the latest updates of products.

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