

# ISOCYANATE

Also known as TDI, MDI, or diisocyanate. Isocyanate is used as a hardening or curing agent in polyurethane foams, industrial coatings, elastomers, inks, and resins. It is extremely sensitive to moisture in the air and hydrocarbons making air-tight seal options extremely critical. There are also the health & safety concerns of handling this product, making a sealless mag-drive option highly desirable.

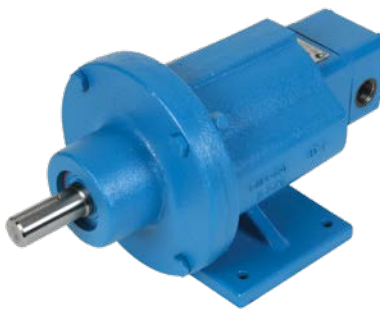


## SUGGESTED PUMPS:



### 8124A SERIES™

- Cast Iron
- Sealless design
- Bushing options for compatibility
- Capacities to 500 GPM



### SG SERIES™

- Cast Iron
- Sealless design
- Bearing options for compatibility
- Higher pressure compatibility
- Capacities to 190 GPM



### 1124A SERIES™

- Cast Iron
- O-Pro® Barrier Seal with grease barrier provides air tight sealing
- Capacities to 400 GPM

## ISOCYANATE APPLICATIONS:

- Unloading Pumps
- Transfer Pumps
- Feed Pumps
- Metering Pumps
- Chemical/Dye Feed Pumps

## VIKING IN THE PROCESS:

Whether you are pumping TDI or MDI, Viking pumps can be used to transfer isocyanate smoothly and consistently throughout the production of polyurethanes and are built with compatible lubricants that won't react with isocyanate. Mag drive internal gear pumps (8124A Series™) are frequently used for isocyanate because their sealless design avoids exposure to moisture in the air, which can cause build up on mechanical seal faces. Viking O-Pro® internal gear pumps (1124A Series™) provide an alternative to mag drive pumps. The O-Pro® seal uses O-rings in combination with a compatible lubricant to provide a robust seal that isolates the isocyanate from the atmosphere. The low NPSHr of internal gear pumps enables top-unloading of railcars, which is used to eliminate atmospheric release of isocyanate vapors.

Viking external gear pumps (SG Series™) develop high pressures and can directly feed small streams into the mixing system. They are available with double lip seals with a grease barrier or with a sealless magnetically driven coupling. To provide a smaller footprint, they may be directly mounted to the motor for portable systems.

**Note:** O-Pro® Barrier Seal is patented.

**INTERESTED IN A PRODUCT? CONTACT YOUR STOCKING DISTRIBUTOR TODAY!**

**VIKING PUMP®**



Michael Smith Engineers Limited

Web: [www.michael-smith-engineers.co.uk](http://www.michael-smith-engineers.co.uk) | Email: [info@michael-smith-engineers.co.uk](mailto:info@michael-smith-engineers.co.uk) | Freephone: 0800 316 7891



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