



Safety Manual



SAFETY MANUAL

IMPORTANT - Read these warnings and safety precautions completely before installation, start-up and/or maintenance of your Air Operated Double Diaphragm Pumps. Failure to comply with the following recommendations can void the factory warranty and damage the pump possibly resulting in personal injury and or property damage. Retain this safety manual for future reference.

Note: Unsafe practices could result in severe personal injury, death, product damage or property damage.

In addition to this safety manual, each pump is supplied with detailed installation instructions and a pump specific maintenance manual that includes detailed procedures for operation and maintenance.

 **WARNING – Ensure Pump Compatibility**

- Confirm that the selected pump model is compatible with the fluid being pumped.
- Confirm that pump’s temperature limits are compatible with the fluid and environment. Review temperature chart below. Maximum temperatures are based on mechanical stress only. Always use minimum air pressure when pumping at elevated temperatures.

Temperature Limits

Polypropylene	32°F to 150°F	0°C to 65°C
PVDF	10°F to 200°F	-12°C to 93°C
Nylon	0°F to 180°F	-18°C to 82°C
Conductive Nylon	0°F to 180°F	-18°C to 82°C
PTFE	40°F to 225°F	4°C to 107°C
Geolast	10°F to 180°F	-12°C to 82°C
Santoprene	-10°F to 225°F	-23°C to 107°C
Polyurethane	10°F to 150°F	-12°C to 65°C
Viton	-40°F to 350°F	-40°C to 176°C

- Confirm that the pump model number is the actual model ordered.
- For submersible installations, confirm that both the wetted end and non-wetted portions are compatible with the material being pumped including exposed gaskets and fasteners. Also, confirm that a compatible hose or pipe is used and connected to the exhaust port. This extension should be plumbed above the liquid level with a muffler attached to the end.
- For pumping flammable fluids, confirm that pump is metallic or conductive plastic, ground to earth and that electrical continuity exists. Static spark can cause explosion resulting in severe injury or death.

