

# Pump Feedthroughs

Fusite designs and develops custom glass-to-metal (GTM) feedthroughs for use in the industrial and commercial pump industry to meet the specific application requirements of our customers. Our feedthroughs stand up to harsh environments and meet the durability and high reliability requirements of major pump OEMs around the world.

## Applications

Fusite GTM feedthroughs are custom designed for various pump applications, including water pumps, slurry pumps, chemical pumps, and mixed-use pumps.

## Customization

Fusite has broad capabilities to develop customized pump feedthroughs to meet customer-specific requirements. The customization options we offer include:

- Solid pin and high conductivity copper core pins (produced in-house by Fusite)
- Molded silicone rubber for outside electrical over-surface
- Heavy duty ceramic insulators for inside electrical over-surface
- Glass pre-forms are produced from Fusite's proprietary custom smelted glass
- Straight pin, flags, and connector block connections
- Single-pin and multi-pin configurations
- Resistance-welded and bolt-on attachment styles

## Typical Specifications

- Hermeticity:  $< 1 \times 10^{-7}$  standard cc/sec helium
- Insulation resistance:  $> 10,000$  megohm @ 500 VDC
- Dielectric voltage: Min. 2500 volts @  $< 0.5$  mA leakage
- Burst pressure: Typical GTM seals meet or exceed 2,250 psi pressure test, but should be verified in customer specific applications
- Regulatory: UL Recognition on select models

