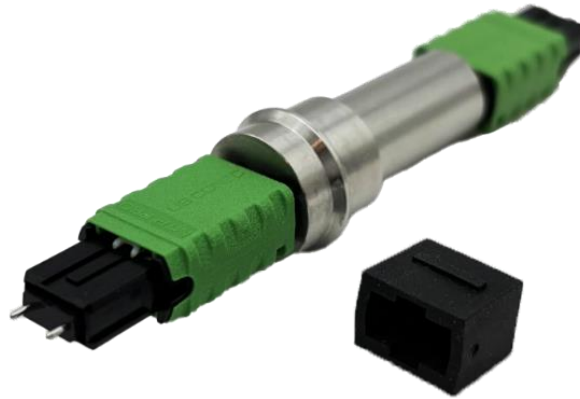

KTRAV-MTP: multi-fiber optic hermetic feedthrough with MTP connectors



SEDI-ATI by Fiber Optics Group offers the KTRAV-MTP, a compact, hermetic multi-fiber feedthrough for vacuum and cryogenic applications.

Well-known for its range of hermetic feedthroughs for vacuum and cryogenic environments, SEDI-ATI is expanding its range with the KTRAV-MTP. This feedthrough enables a high density of optical fibers in a small footprint, while meeting vacuum and cryogenics requirements. It is recommended for cryostats, quantum photonic systems...

Equipped with MTP®/MPO connectors, it offers a capacity of up to 24 optical fibers, such as SMF-28 or GI50/125 µm in ribbons. These connectors are available in male or female versions, as well as PC or APC finitions.

The KTRAV-MTP is very compact. It comes in the form of a barrel measuring 13.7 mm in diameter and 89 mm in length, including connectors. It is designed to be laser-welded directly onto a stainless steel wall or flange mounted on a cryostat. It thus ensures reliable optical transmission of signals between the ambient environment and the very low-temperature environment, while preserving vacuum integrity.

The KTRAV-MTP is available as a weldable component with or without a flange and accepts both male and female MTP®/MPO connectors.

This type of sealed feedthrough is also available in an inline version, with pigtails on CF or KF flanges. For more details, refer to model RETA-RIB.

[About SEDI-ATI by FOG](#)

SEDI-ATI is a French company founded in 1951. Since 2023, it has been a subsidiary of FOG (Fiber Optics Group), an international organization committed to innovation and sustainability in the field of fiber optic assemblies. SEDI-ATI designs, develops and manufactures fiber-optic components and assemblies, such as multi-fiber assemblies, hermetic feedthroughs, and optical couplers.

More specifically, the company designs custom-made hermetic feedthroughs – in-line, flange-mounted, or multi-channel – adapted for vacuum, pressure or cryogenics applications. SEDI-ATI specializes in complex and extreme environments across defense, aerospace, nuclear, and geophysical markets.

[More information](#)

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