

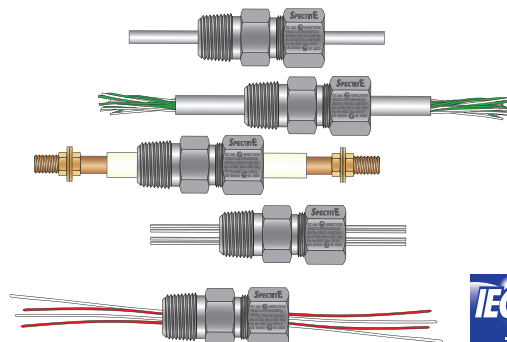
ATEX / IECEx Sealed Feedthroughs

ATEX / IECEx Pressure and Vacuum Sealed Feedthroughs

ATEX / IECEx approved Spectrite® sealed feedthroughs from TC Ltd. are essential when probes, sensors, electrodes, wires and other types of static elements need to be sealed as they pass through a pressure or environmental boundary.

- Approved to Ex II 2 GD, Ex d IIC Gb / Ex e IIC Gb, Ex ta IIIC Da
- Inhibit the leakage of gas or other media
- Restrain the elements from moving in the assembly
- Wide choice of feedthroughs to suit most applications
- Wide temperature range
- Versions available to seal on both single and multiple elements
- Generally ex-stock for quick delivery
- Technical support and advice available

SPECTRITE®
from TC Ltd



SECTION 1	Spectrite® Sealed Feedthroughs		
Series	Illustration	Features	Notes
PF	<p>Feedthroughs for single elements</p>	<ul style="list-style-type: none"> • Seals on probes, sensors, small-bore tubes and other similar elements • Immersion length of the element can be easily adjusted • Vacuum to 700 bar 	These feedthroughs are designed for sealing single elements, usually sensors, probes or tubes, where they penetrate a pressure or environmental boundary.
MF	<p>Feedthroughs for multiple elements</p>	<ul style="list-style-type: none"> • Saves time and costs as multiple sensors pass through one feedthrough • Immersion length of the element can be easily adjusted • Vacuum to 700 bar 	A single access port into an enclosure or process vessel is all that is needed to allow multiple probes, sensors, etc., to pass through an environmental or pressure boundary using a single feedthrough assembly.
WF	<p>Feedthroughs for multiple probes and wires</p>	<ul style="list-style-type: none"> • Seal on Kapton® insulated copper or thermocouple wires - Series WFS • Seal on bare wires carrying instrumentation voltages / currents - Series WFR • Seal on small diameter sheathed sensors up to 3.2mm dia. - Series WFP 	When multiple wires must pass through a pressure boundary, series WF feedthroughs can provide an efficient seal without recourse to epoxies or other non-adjustable fixture methods.
EF	<p>High voltage/current electrode feedthrough</p>	<ul style="list-style-type: none"> • Copper or stainless steel electrodes • Three sizes of feedthrough assembly • Rated for use at 2KV up to 200A • Vacuum to 700 bar 	The integral electrode mounted in these feedthroughs enables specifiers to provide high-voltage, high-current supplies in process enclosures, autoclaves, vacuum furnaces and reactor vessels to power heaters, electric motors and other devices needing high power supply.
HF	<p>High density wire feedthrough</p>	<ul style="list-style-type: none"> • Saves time and costs as multiple sensor wires pass through one feedthrough • Sealed tubes with continuous, multiple, insulated conductors - without epoxies or glues • Copper or thermocouple material wires 	A PTFE-lined, stainless steel tube is swaged over multiple, insulated, single-core copper and/or thermocouple-material wires to make a continuous wire, high-density, sealed feedthrough tube. These are used for thermocouples, resistance thermometers and low voltage instrumentation.



Ask us about our dedicated

ATEX / IECEx Spectrite® Sealed Feedthrough Catalogue

featuring full feedthrough technical specifications, selection guide and ordering information. Contact one of our engineers on **01895 252222** to request your copy.

