

Coatings for corrosive processes

*"We are prepared to solve your most difficult and unusual applications."
FCI is dedicated to the design and manufacture of unique customer requirements.*



Kynar Coating Description

Kynar coating protects the sensor from highly corrosive acidic and caustic chemical processes and is ideal for liquid applications and certain gas services. The Kynar is heated to a liquid state and the sensor is process-dipped to ensure a sealed coating. Kynar is most suitable for corrosive liquids.

Industry Applications

- › Liquids with acid
- › Gas/liquid mixtures with acids
- › Caustic chemicals

Model Availability

- › FLT93S FlexSwitch (up to 350° F [177° C])
- › FLT93F FlexSwitch (up to 350° F [177° C])
- › ST98 FlexMASter flowmeter

How To Order

Please contact your local FCI Sales Representative to configure the part number using the following OIS information:

- › For FLT93S or FLT93F, select a "W" in Box 4 and enter "All welded 316L stainless steel with Kynar coating"
- › For ST98, Contact factory

** FCI provides additional materials and coating options for harsh environments; Hastelloys, Chromium Carbide/Tungsten, Carbide. Final selection and confirmation of materials compatibility is the exclusive responsibility of the customer.*

Tantalum Coating Description

Tantalum coating protects the sensor from highly corrosive process gases in which acids and caustic chemicals condense on the sensor. The tantalum is heated to a molten state and sprayed onto the sensor. Tantalum is most suitable for gas processes.

Industry Applications

- › Gases with condensed sulfuric and hydro-fluoric acid
- › Caustic chemicals

Model Availability

- › FLT93S FlexSwitch
- › GF90 Gas mass flowmeters
- › MT Series multipoint flowmeters

How To Order

Please contact your local FCI Sales Representative to configure the part number using the following OIS information:

- › For FLT93S, select a "W" in Box 4 and enter; "316L stainless steel with Tantalum coating"
- › For GF90, select a "W" in Box 9 and enter; "316 stainless steel with Tantalum coating"
- › For MT86/MT91, contact factory

Other FCI proven custom product solutions include, but are not limited to:

- › Self-cleaning sensors
- › Quick disconnect sensors
- › Custom extended sensor lengths
- › Custom process connections
- › Portable flowmeters
- › Self-calibrating flowmeters
- › Sun and wind enclosure shades

Your local FCI Sales Representative is:

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