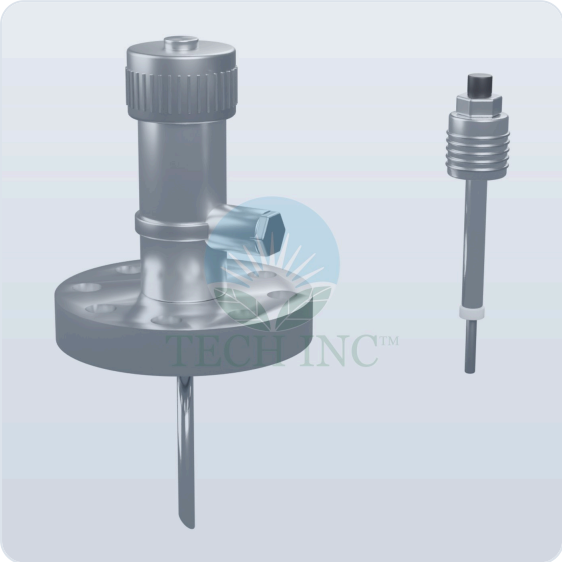
PRODUCT DATASHEET

Chemical Injection Access Fitting with ER Corrosion Probe

Flanged 2 in high-pressure access fitting for chemical injection, with a retrievable electrical-resistance corrosion probe

Product page





Flange, body and side-tee inlet

OVERVIEW

The Tech Inc. Chemical Injection Access Fitting with ER Corrosion Probe is a flanged 2 inch high-pressure access fitting for injecting corrosion inhibitor and other treatment chemicals into process piping, supplied with a retrievable electrical-resistance probe to measure the result. The body bolts to a 2 inch ring-type-joint nozzle, so no welding is needed on the line.

TYPICAL DESIGN DATA

Mounting	2 in ASME B16.5 flange with ring-type joint, integral with the body
Pressure class	Class 300, 600, 900 or 1500; Class 150 and 2500 on request
Material	ASTM A182 F316/F316L forging, solution annealed
Injection inlet	1/2 in NPT female side tee; 3/4 in, 1 in or socket weld on request
Injection tube	1/2 in Schedule 160, AISI 316, with 45° quill tip at the pipe centre-line; integral spring-loaded check valve
Seals	FKM O-rings and PTFE packing, −20 °C to +200 °C

MODELS AND CAPACITIES

- **TI-CIA-2RJ-316** – 2 in ASME B16.5 ring-type-joint flange, AISI 316; Class 300, 600, 900 or 1500

Pressure class, side-tee size and tube length are confirmed with each order.

ORDERING CODE

Example **TI-CIA-2RJ-316**: **2RJ** 2 in ring-type-joint flange; **316** AISI 316 construction.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** other pressure classes; open-end and nozzle tips; HNBR, EPDM or FFKM seals; third-party inspection.

KEY ADVANTAGES

- **No welding on the line** – the body bolts to a standard flanged nozzle
- **Serviced under pressure** – injection set and probe are retrieved through the access bore while the line runs
- **Dose and result together** – the probe shows whether the inhibitor dose is working
- **Backflow protected** – an integral check valve keeps process fluid out of the chemical line

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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