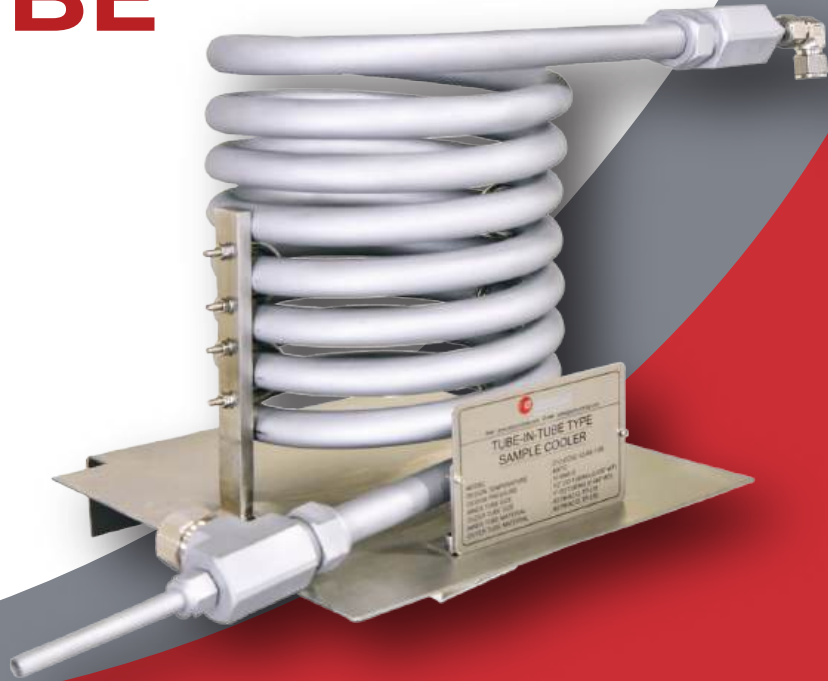


TUBE-IN-TUBE SAMPLE COOLERS

Model – C12-CCSC



APPLICATION

Tube-in-tube sample coolers can be used specific in high pressure & low flow sample in combination with high pressure cooling fluid.

INTRODUCTION

This sample coolers are Unique Design of spirally wound counter flow circuit suitable for low sample and cooling water flow rates available of high temperature and high pressure fluids. It used in Industrial process like Pump seal cooling, Kerosen, Diesel, LCO, steam and water and alcohol. It is suitable sanitary coolers, pure steam steam and WFI process. It also suitable for cooling and heating application. It provides greater flexibility of application due to high pressure and temperature capability on both side of heat exchanger.

FEATURES

Autocontrol Process Instrumentation Dual Heat Transfer Coils are rugged, high efficiency counter-flow heat exchangers for cooling high temperature, high pressure fluid samples such as boiler steam, boiler feed water, superheat steam, hot chemical solutions and other process fluids.

Tube End Extensions

Permits the installer the flexibility to utilize any connection to hook up the inner tube

Simple Installation

Convenient two-hole mounting bracket permits coil to be located near the point of measurement

◆ No Break In Inner Tube

Terminal fittings are designed to permit the inner tube to go through in one piece, like a thermocouple connection.

◆ Forced Counterflow

Insures maximum terminal efficiency.

◆ ASME Code Design

Pressure and temperature ratings conform to the applicable ASME Boiler Code allowable stress values.

◆ Rugged Construction

The sturdy tube within a tube design features heavy duty forged terminal fittings.

Mounting Arrangement:

Plate Mounted Assembly

Wall Mounted Assembly

Self Standing Rack

Encloser Mounted Assembly





Autocontrol Process Instrumentation (API) Originates from Autocontrol Technologies, a Company established in 1994 Italy. Specialized in Automatic Sampling Systems for Crude Oil Custody Transfer, System Integration (AH, ALC, SCS, SRS), Heating, Ventilation & Air Conditioning units and Process Control System Integration.

API is focused on Sensing Technologies, Measuring Instruments, Controlling Equipment, Automation Systems and all related Accessories. We are also doing Integration, Assembly, Calibration & Testing of Pressure, Temperature, Level & Flow Instruments including Tank gauging solutions.

API works with its partners to offer you complete fabrication services for skid-mounted / modular equipment, from the supply of material, through fabrication, inspection, testing, and assembly, including surface finishing, electrical and instrumentation work, insulation, and packing. We deliver Skids to Petrochemical, Oil & Gas, and Water Industries, with certified welding procedures and professional experience enabling us to work with a comprehensive array of materials. For more information, please ask for a copy of our integrated company profile, or visit www.autocontrolpi.com

We specialize in following Package Solutions & Products range

Liquid Sampling System.
Steam & Water Analysis System (SWAS).
Process Gas Sampling System.
Shelters- Safe & Hazardous Area.
Continuous emission monitoring system (CEMS)
Gas Chromatography Analysers Shelter Package
Wellhead Control Panel Package.
Metering Skid Package
High Integrity Pressure Protection System Package (HIPPS)
Control System & Enclosure System Package
Loading/Unloading Metering Skid Package

Pressure Instruments & Accessories
Diaphragm Seals
Temperature Instruments & Accessories
Instruments Valves & Manifolds
Level Instruments & Accessories
Flow Instruments & Accessories
Custom Built Systems

TUBE -IN- TUBE SAMPLE COOLERS

● Sample ● Measure ● Analyze ● Steam ● Water ● Process

SAMPLE	
Sample Inlet Temperature	200-220°C (working)
Inlet Pressure	10 Kg/cm ² g
Cooling Water Temperature	40°C
Process	Gas / Water

Ordering Information

API Tube an Tube Sample Cooler

Internal Coil Size

1/4" OD – 14
3/8" OD – 38
1/2" OD – 12

Internal Coil Material

Copper – Cu
SS304- S4
SS316 – S6
Monel 400- M4
Inconel 800- I8
Inconel 625-I6
Duplex SS 2205- DU

External Coil Size

1/2"OD – 12
3/4"OD -34
1"OD -1
1-1/2"OD-112

External Coil Material

SS304- S4
SS316 – S6
Monel 400- M4
Inconel 800- I8
Inconel 625-I6
Duplex SS 2205- DU

C12-CCSC

A

B

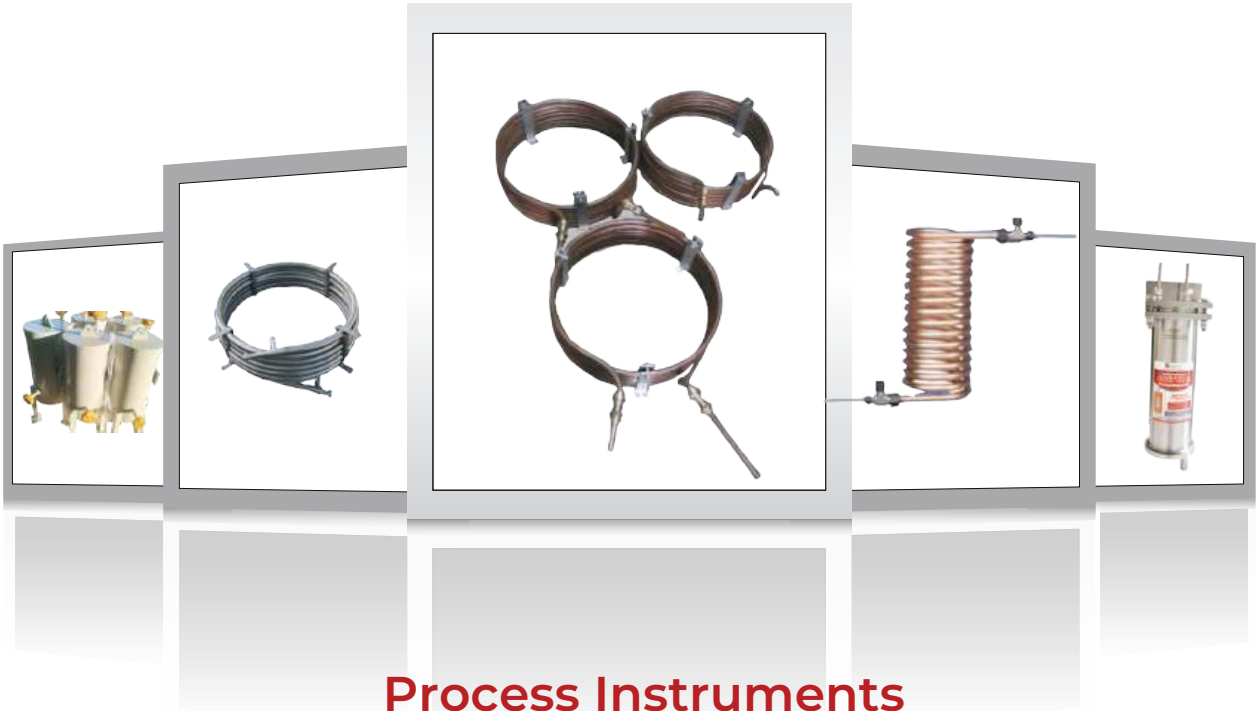
C

D

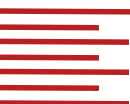
PRODUCTS BASKET

● Sample ● Measure ● Analyze ● Steam ● Water ● Process

Analytical Instruments



Process Instruments



CONTACT US



MANUFACTURER

ITALY

Autocontrol Process Instrumentation SRL

📍 Via Vittorio Veneto , 23 Cap
20010 – Bernate Ticino (MI) Italy

✉ sales.europe@autocontrolpi.com

🌐 www.autocontrolpi.com

INTEGRATOR

UAE

Autocontrol Process Instrumentation FZC

📍 Plot No. 1H-08B, P.O.Box 51722
Hamriyah Free Zone, Phase1,
Sharjah, United Arab Emirates

✉ sales.uae@autocontrolpi.com

🌐 www.autocontrolpi.com