Absolute Process Instruments, Inc.
Manufacturer of Quality Signal Conditioners Transmitters & Isolators

Application Notes

❑ General Info
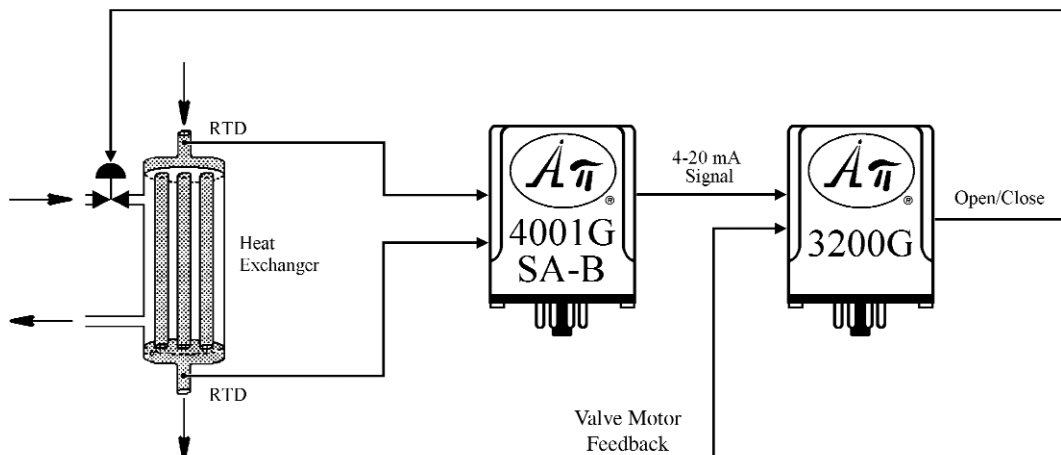■ Temperature
❑ Pressure
❑ Flow
❑ Speed
❑ Weighing
❑ Process

Maintaining a Constant Differential Temperature Across a Heat Exchanger

PROBLEM

A critical process requires precise control of the change in temperature of the process fluid across a heat exchanger.

SOLUTION

Install RTDs at the process fluid heat exchanger inlet and outlet and connect the RTDs to an **API 4001G SA-B** Non-Isolated Differential RTD to DC Transmitter module.

The **API 4001 G SA-B** computes the differential temperature and provides a proportional 4-20 mA output signal which is used by the **API 3200 G** Valve/Actuator Positioner/Controller module to drive the temperature control valve open or closed as necessary to maintain the required process fluid temperature differential.

Did You Know...?

Api never charges an expediting fee and will accept American Express, MasterCard, and Visa credit cards.

FREE APPLICATION ASSISTANCE
Call Aπ Customer Service
800-942-0315