

T-8020

# Immersion Controller

## Description

The T-8020 Immersion Controller provides control of liquid temperatures. The T-8020 can function as a proportional, two-position, direct action, or reverse action instrument.

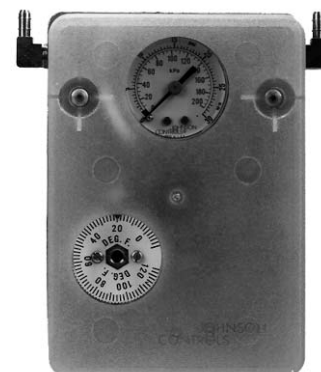
Refer to T-8020 Proportional and Two-Position Immersion Controllers Product Bulletin (LIT-7171285) for important product information.

## Repair Information

If the T-8020 Immersion Controller fails to operate within its specifications, replace the unit. For a replacement thermostat, contact the nearest Johnson Controls® representative.

## Features

- proportional sensitivity or two-position action selected from a marked rail. The rail is marked DA (Direct Acting) and RA (Reverse Acting).
- equipped with flexure levers to reduce hysteresis and friction
- gauge and set point dial are visible through the cover
- designed for direct mounting on the wall of a tank or in a pipe tee
- includes a separable element holder to facilitate installation
- equipped with 1/2 in. NPT connections. Air piping connects at the side of the thermostat.
- adjustable gain (proportional) or differential (two-position) by repositioning the sliding leakport



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## Selection Charts

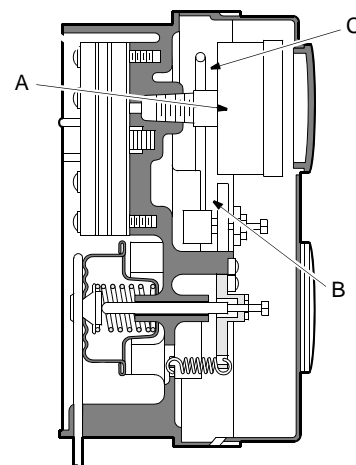
### T-8020 Immersion Controller

Code Number	Description
T-8020-1	Proportional
T-8020-5	Two-Position

### Accessories and Maintenance Parts for T-8020 Immersion Controller

Code Number	Callout	Description
T-8020-100	---	Stainless Steel Well
T-8020-101	---	Brass Well
T-8000-16	---	External Pilot Orifice Kit
G-2010-5	A	Output Gauge <sup>1</sup> , 0 to 30 psig (0 to 210 kPa), 1-1/2 in.
T-8000-618	B	Orifice and Filter Replacement Kit with Orifice, 1/8 in. O.D. Poly tubing and Filter (Order in Multiples of Five)
T-8000-619		0.005 in. Red Orifice 0.007 in. Aqua Orifice
F-1000-355	C	Polytubing, 1/8 in. O.D. (Order in Multiples of 50 ft)

1. The gauge on instruments manufactured before 1985 cannot be replaced.



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Accessories/Maintenance Parts