ThermOmegaTech®

INDUSTRIAL TEMPERING VALVE



Efficiently Manage Effluent Temperature Within Code Specification

Discharging effluent over 140°F from commercial equipment can result in failed inspections, costly fines, or piping and equipment damage. ThermOmegaTech's self-operating Industrial Tempering Valve (ITV) offers a simple solution—automatically mixing in cold water when temperatures exceed the set point, then shutting off once cooled to conserve water.

Available in ¾" and 1" stainless steel, or as a complete kit for easy assembly, the ITV is a compact, cost-effective way to temper hot effluent to a safe, code-compliant temperature.

TYPICAL APPLICATIONS

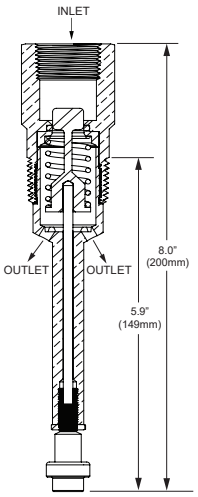
- Autoclaves
- Boilers
- Humidifiers

MARKETS SERVED

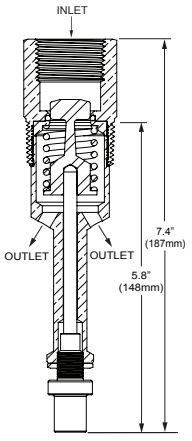
- Breweries
- Food Processing
- Pharmaceutical
- Municipal Sewage

See ThermOmegaTech's ITV in action at ThermOmegaTech.com/ITV

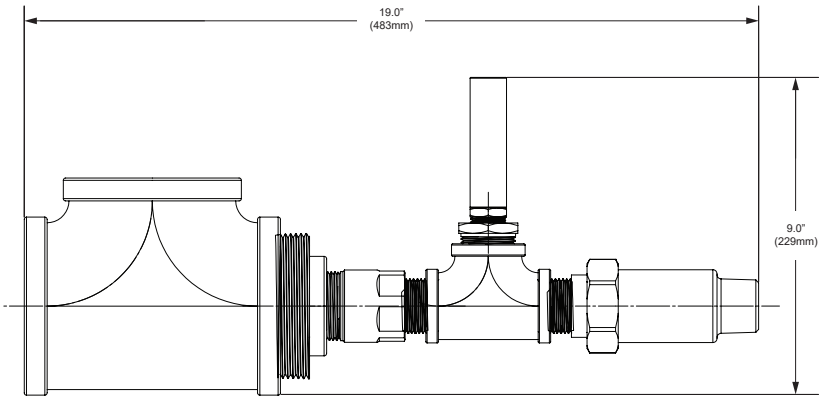
ThermOmegaTech® (877) 379-8258 | www.ThermOmegaTech.com



¾" ITV



1" ITV



ITV Kit with Tee

SPECIFICATIONS

Maximum Inlet Pressure.....125 PSIG (8.6 BAR)
Maximum Temperature.....250°F (121°C)
Full Open Temperatures.....120°F, 125°F, 130°F, 140°F
(48.9°C, 51.7°C, 54.4°C, 60°C)

Weight

¾".....1.2Lbs (0.5Kg)
1" 1.5Lbs (0.7Kg)
¾" Kit.....7.6Lbs (3.4Kg)
1" Kit 7.9Lbs (3.6Kg)

Size (NPT)

Water Inlet	Drain Connection
¾".....	1"
1"	1-1/4"

Flow Coefficient

¾".....2.0
1" 4.0

BENEFITS

- Rugged, clog resistant valve design
- Easily installed using standard pipe fittings and tools
- Operates in any orientation
- Minimizes water waste
- Modulates to conserve cooling water
- Effluent tempering capacity limited only by cold water flow rate through ITV

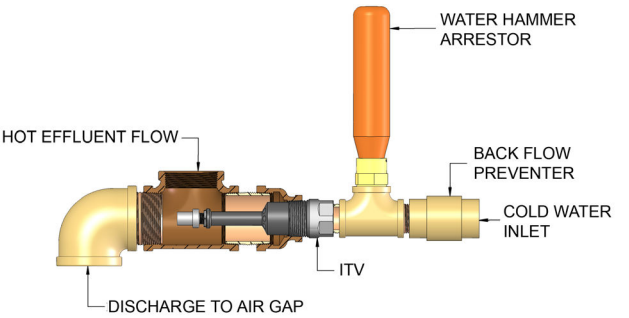
ORDERING INFORMATION

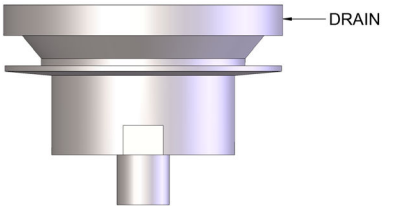
1055-100000000-XXX ¾" ITV Stainless Steel
1055-200000000-XXX 1" ITV Stainless Steel
1055-100000002-XXX ¾" ITV Kit with 2" Tee
1055-200000002-XXX 1" ITV Kit with 2" Tee

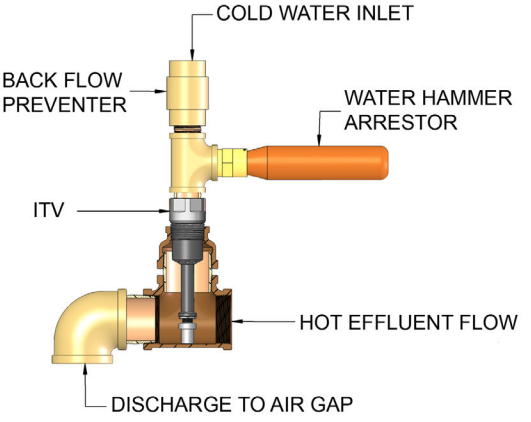
NOTES

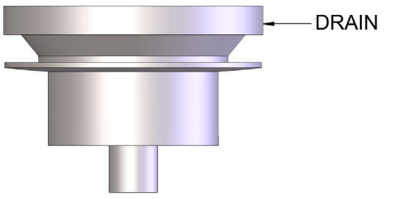
Install a water hammer arrestor between the ITV and check valve/ backflow preventer to prevent damage to the ITV. Failure to do so will void the warranty. Optional arrestors and backflow preventers are available—contact us for details.

TYPICAL INSTALLATIONS









NEED HELP WITH SIZING?

Scan the QR Code to utilize our flow rate calculator!