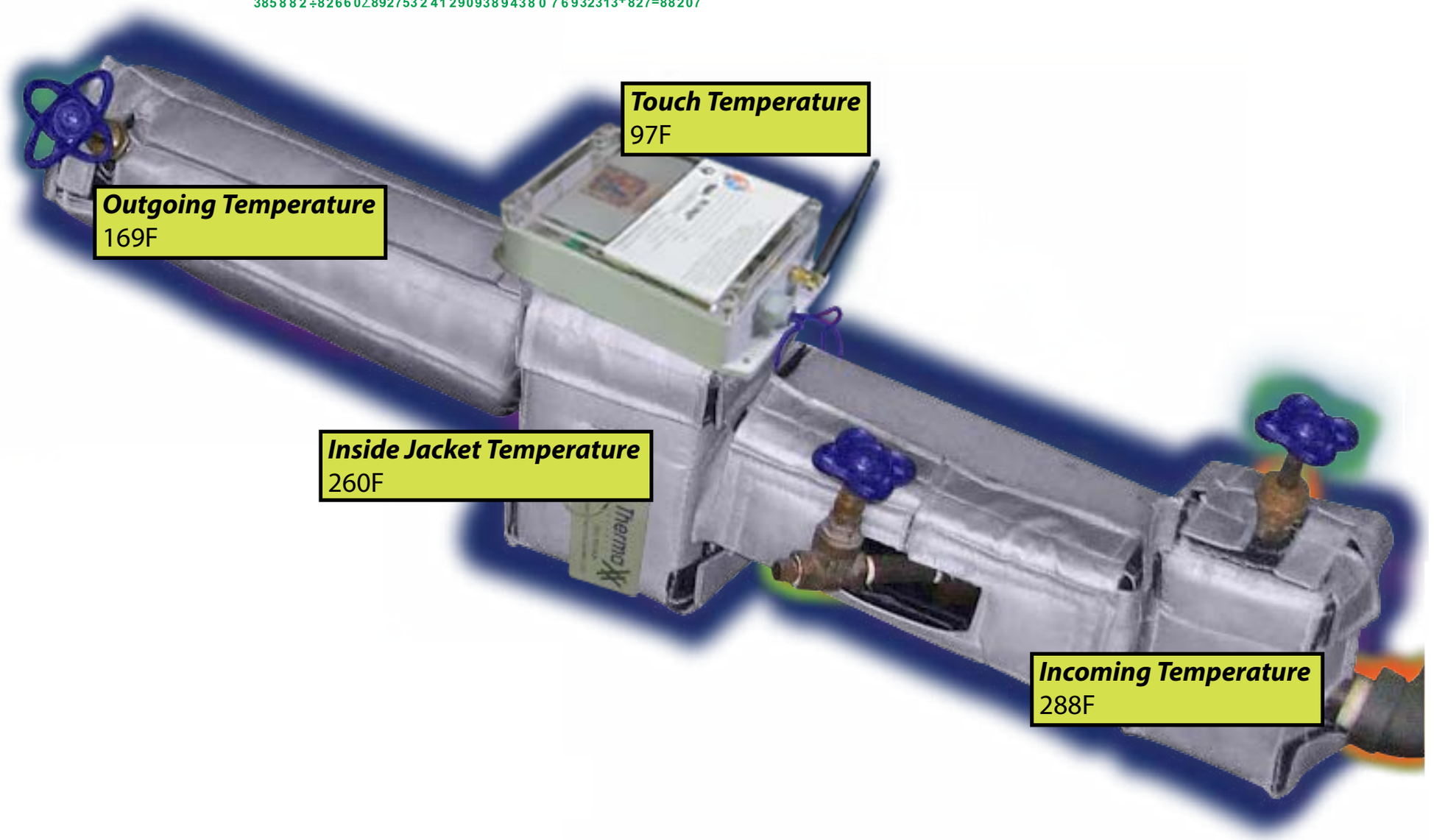
ThermaXX jackets

steam jacket



ThermaXX jackets

Smart jacket

Save Money

Our clients know that energy savings are a key benefit of our removable & reusable insulation jackets, but sometimes just knowing isn't enough.

Watch It Happening

Embedded sensors and electronics measure and wirelessly transmit vital information from each jacket to a remote monitoring station that displays, records, and analyzes the data. You can view the data on your desktop – or on the go with a tablet, or smartphone – via the Internet.

Prove It

Smart Jacket technology calculates true energy and cost savings, and can provide detailed reports as evidence.

Smart Jacket results for a single 16" steam expansion joint showing true energy savings.

ThermaXX jackets

Smart jacket

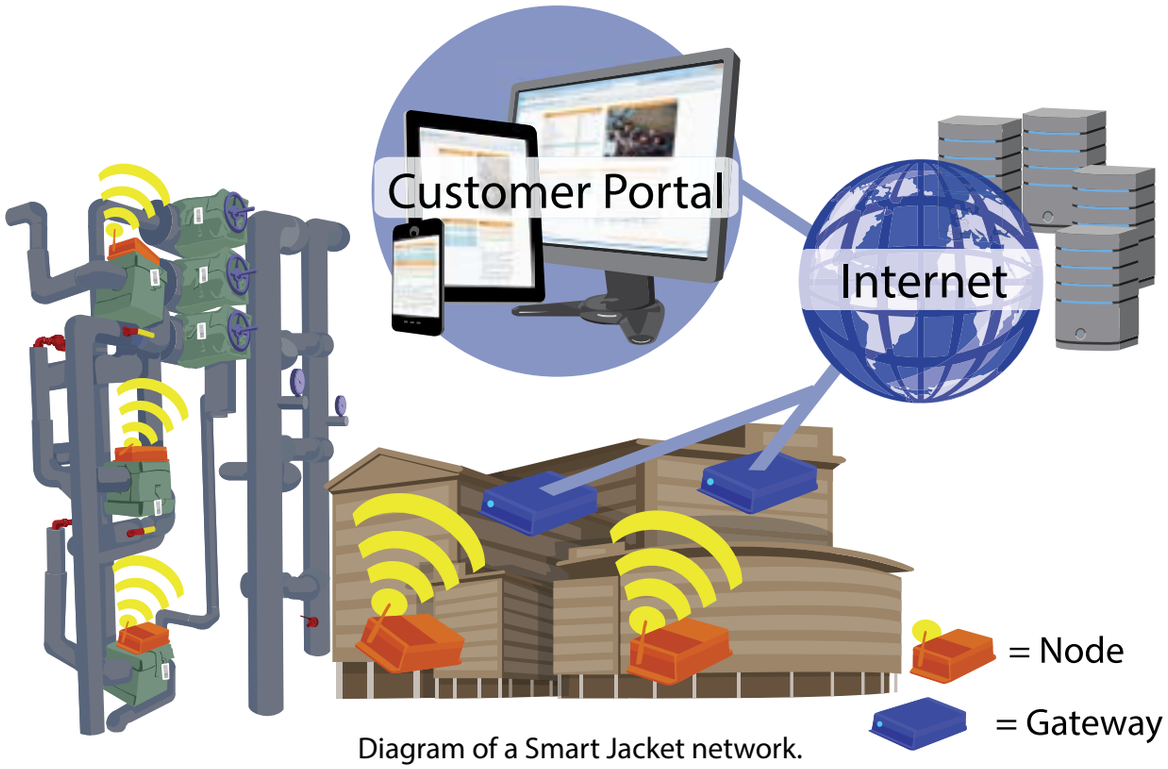
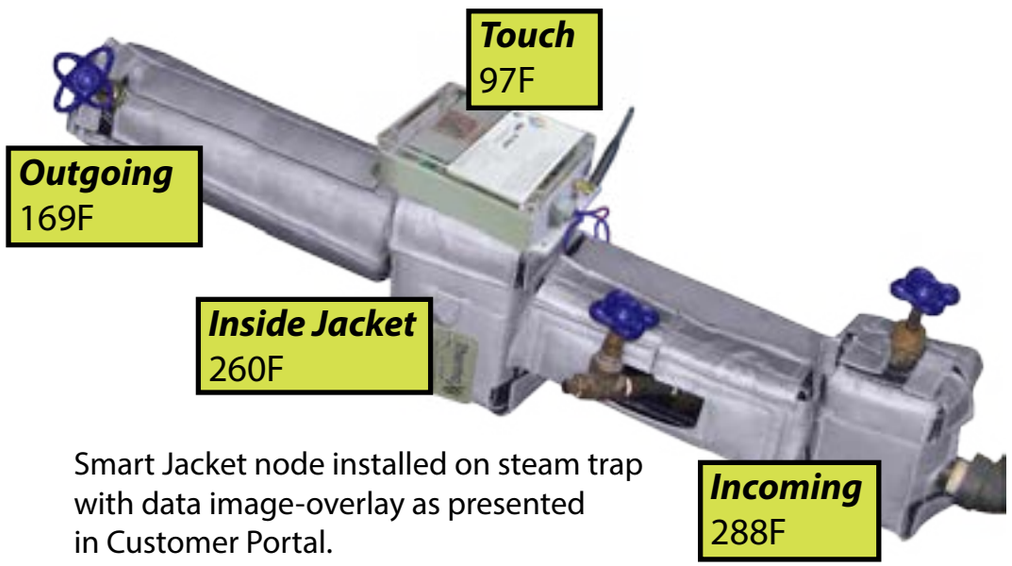


Diagram of a Smart Jacket network.



Smart Jacket node installed on steam trap with data image-overlay as presented in Customer Portal.

Node

Power	2xAA Batteries
Battery Life	3 Years of operation
Sensor – Probes	3x Type K thermocouples (0-500°F standard, up to 2,282°F available)
Sensor – Ambient	1x Ambient temperature (30-180°F)
Range	1,000' line-of-sight, 60' (typical) in dense environments
Reporting	Readings obtained every 30 minutes (standard)

Gateway

Power	110V AC (always-on)
Connectivity	Internet connection (onboard cellular standard, ethernet or wifi optional)
Max. Nodes	Unlimited

Customer Portal

Access	Internet connection and web browser required
Alerts	User-configurable email or text-message alerts
Views	Map views, image-based views, tables, and graphs

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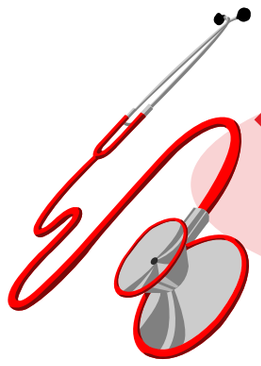
ThermaXX jackets

Smart jacket



Detect Problems

Know that components are functioning properly and receive alerts as soon as abnormal behavior is detected.

Nothing Else Like It

Remote Monitoring

- Dashboard for all sensors
- Email & cellular alerts
- Cloud access

Smart Jacket

- Installs in minutes
- Zero infrastructure changes
  - –No wires
  - –Completely non-invasive
- Automatic status updates

Our Partner

EMBEDDED ENERGY TECHNOLOGY, LLC

EET puts the “smart” in Smart Jacket. Their scientists specialize in harnessing technology, such as non-invasive sensors, wireless, and remote monitoring, to help industrial facilities realize energy savings. EET provides Smart Jacket electronics and support exclusively to Thermaxx Jackets.