

COMPANY **PROFILE**

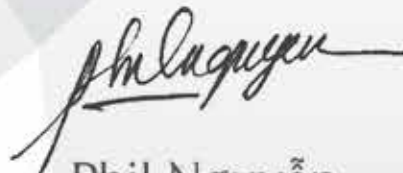


WILI CO., LTD
ISO 9001

INTRODUCTION

Wili Co Ltd was founded by experienced members and famous manufacturers. Our development strategy seeks to deliver quality, progress, safety, and competitive price which are soundly based on the demands of the customers.

With state of the art facilities, high quality products, experienced management and well trained staffs with high expertise we strongly believe that we are able to bring the satisfaction to our clients' most demanding requirements for their industrial projects.



Phil Nguyễn

SCOPE OF BUSINESS

Supply, installation, testing and commissioning for

- Valves, control valves,
- Ex.proof equipment,
- Heater,
- Heat tracing system;
- HVAC system

OUR FOCUS

POWER PLANT	OIL & GAS	PETROCHEMICAL	CHEMICAL
COMMERCIAL BUILDING	SHIP BUILDING	GENERAL INDUSTRIES	CEMS

TABLE OF CONTENT

I .INTRODUCTION

II .PRODUCTS & SERVICES

III .SUPPLIERS

IV .AUTHORIZED DISTRIBUTOR CERTIFICATES

V .HIGH LIGHT PROJECTS LIST

OUR PRODUCTS



Controlled valves



Electrical Heat Tracing



Manual Valves



Heater



HVAC Equipment



Steam Tracing



Heat Exchanger



CEMS



Heating Jacket



Thermostatic Valves



Temp. Controller



Steam-Water Mixer



Balancing Valve



PICV Valves



E-PICV Valves



Circulation valve

OUR SUPPLIERS



Clorius Controls
Poland

Theron
USA

Broen Valves
Poland

Goveco
Belgium



Sterling Sensor
UK

Crane Valves
UK

Caloritech
Canada

SuperKlean
US



Jogler
USA

Hidroconta
Espana

North Slope
US



Power Blanket
US

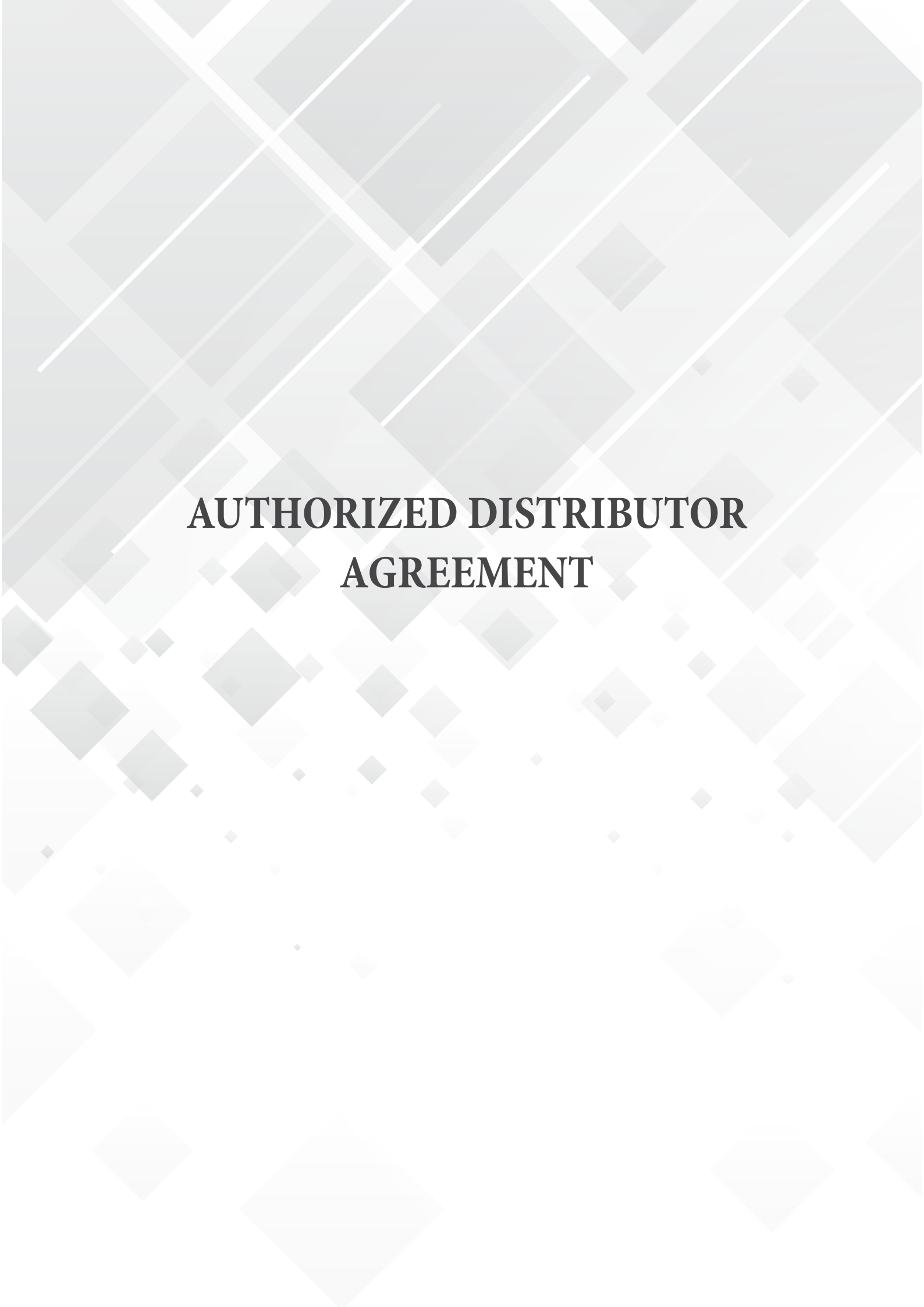


Supply

Installation

Testing

Commissioning



AUTHORIZED DISTRIBUTOR AGREEMENT



Date: 09 Feb 2024

TO WHOM IT MAY CONCERN

Thermon Manufacturing Company is the manufacturer of "THERMON" brand Heat Tracing and Process Heating products and holds a unique position as the only international heating company completely dedicated to its industry. Thermon Manufacturing Company's Corporate Headquarters is located at 100 Thermon Drive, San Marcos Texas 78667, USA and have design, manufacturing, warehouse facilities and sales offices worldwide.

We Thermon Australia Pty. Ltd located at 30 London Drive Bayswater, Victoria 3153, Australia is a wholly owned subsidiary and affiliate of Thermon Manufacturing Company that has primary responsibility for looking after Thermon's product sales and technical services in South East Asian countries including S. R. Vietnam.

In accordance with the request of M/s. Wili Co., Ltd located at 85/4f, Tam Dong, Thoi Tam Thon, Hoc Mon, HCMC, Viet Nam, we hereby appoint them as our authorized representatives to offer our products for various requirements for Heat Tracing and Process Heating products for Oil & Gas, Chemical, Power and Food & Beverage Industries within S. R. Vietnam.

We, THERMON hereby commit to supply our products with the required quantity/quality and provide necessary technical support through them.

for Thermon Australia Pty. Ltd.

Shaun Napier

Managing Director

Thermon Australia Pty Ltd

Shaun.napier@thermon.com

THERMON
30 London, Dr.
P.O. Box 532
Bayswater, VIC
3153
Australia
www.Thermon.com

SEA - Regional Office
Suite 8-10-7 Level 10
Menara Mutiara Bangsar, No. 8,
Jalan Liku
59100 Kuala Lumpur, Malaysia

CRANE

FLUID SYSTEMS

Crane House,
Epsilon Terrace, West Road,
Ipswich, Suffolk IP3 9FJ
Tel: +44 (0)1473 277400
Fax: +44 (0)1473 277411
Email: enquiries@cranefs.com
Web: www.cranefs.com

CRANE Fluid System UK

LETTER OF DISTRIBUTION

3742-CP\s-1

26 August 2024

Crane Building Services & Utilities, (BSU)
Crane House, Ipswich, UK.

To whom it may concern:

We authorize the following company to market, advertise, promote and sell the complete branded range of Crane Valves in the Vietnam market.

Wili Co., Ltd

World Star Building,
No.: 75/1, Street No.23, Hiep Binh Chanh
Thu Duc City, HCM City, Vietnam

Mr. Phil Nguyễn – Tel: 028. 668.12.137, HP: 090.330.5673

Valves are manufactured in our worldwide facilities including UK and China with quality control & supervision handled by Crane UK.

Crane commits to full technical and marketing support to Wili Co., Ltd.

This letter is issued in lieu of official contract and is valid 12 months from date of issue.

Yours Sincerely,

Alan Rees
Area Sales Manager



Crane BSU (Asia-Pacific)
Mobile +63-977-1705217



To whom it may concern

BROEN A/S - Clorius Division Skovvej 30
DK-5610 Assens
Tel. +45 9139 9300 Fax +45 6471 2495
www.broen.dk
mail@cloriuscontrols.com
CVR No. 71172511

Date: 05-02-2024

Broen A/S - Clorius Division representation in Vietnam

Dear Sirs,

We, Broen A/S - Clorius Division - Denmark, hereby confirm that Wili Co., LTD is an official, authorized representative of the Broen A/S - Clorius Division.

The territory is limited to: Vietnam

This letter is valid until December 31st 2024.

If you have any questions regarding the content of this letter please do not hesitate to contact the undersigned.

Best regards,
BROEN A/S - Clorius Division

A handwritten signature in black ink that reads "Kenneth Jakobsen".

Kenneth Jakobsen
Area Sales Manager APAC
M: +45 23401005
E: kja@cloriuscontrols.com



Jogler LLC

LETTER OF AUTHORISATION-TO WHOM IT MAY CONCERN

February 01, 2024

Dear Sir,
This serves to advise that,

WILI CO. LTD

75/1, Street No.23, Hiep Binh Chanh,

Thu Duc City, HCM City

Hanoi Office: Room 203, A5 Building, An Binh City, Pham Van Dong Str, HN Vietnam.

Web: <https://wili.vn> & <https://wili.com.vn>

As Jogler's Authorized Representative for the Territory of Vietnam, Wili Co Ltd, will carry out Sales and Services to support Jogler's range of level gauge products manufactured in the USA and China Through our Rep in Vietnam, Jogler's expertise in the Oil & Gas industries offer not only good back-up technical/sales service, short lead time, BUT most of all, as a SOLUTION PROVIDER for existing problems in applications of magnetic level gauges and magnetostrictive transmitters.

To maintain our close proximity in Asia, Jogler's regional office for Asia Pacific is based in Malaysia. Do feel free to contact us for support, thank you.

Yours sincerely

Albert Saw Regional Sales Manager

Email: albert.saw@jogler.com

Cel: 60 133 40 2772



Head Office:

6646 Complex Drive, Baton Rouge, Louisiana. LA 70809

United States of America

Tel: (1)225-456-2495

Toll Free (1) 800-223-8469

website: www.jogler.com I email inquiries: inquiries@iogler.com

Subsidiary -China

Jogler (Tianjin) Instrument Co. Lt

3, KaiTuo Road, Balitailnd Park

Jinnan, Tianjin, China



CERTIFICATE OF DISTRIBUTION

WILI® CO., LTD

HCM Office: 75/1, Street No.23, Hiep Binh Chanh, Thu Duc City, HCM City
Hanoi Office: Room 203, A5 Building, An Binh City, Pham Van Dong Str, HN

has been appointed as an Authorised Distributor for Sterling Sensors UK Ltd
in the territory of Vietnam for Temperature Sensors, Temperature Gauges and
associated process instrumentation.

KEITH GRIFFITHS, DIRECTOR

January 2024

DATED

STERLING SENSORS UK LTD, FITMEC WORKS, HAWKSLEY ST, OLDHAM, MANCHESTER, OL8 4PQ, UK

HIGH LIGHT PROJECTS

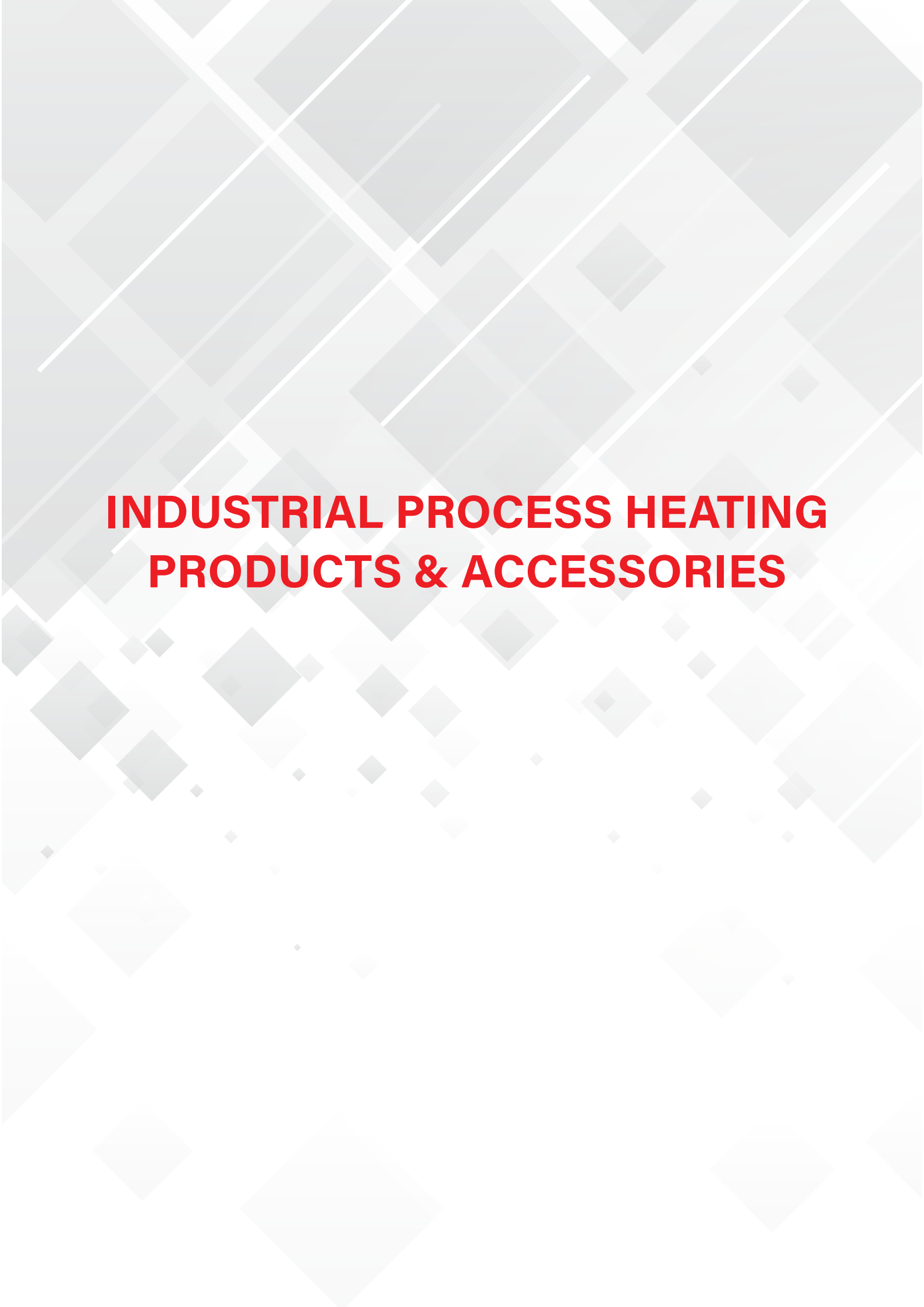
PROJECT	END USER	CUSTOMER	YEAR	PRODUCTS
LPG DINH VU - HAI PHONG	PV GAS	VIET A CHAU	2014	VALVE, PIPE
LANG PHAP- BA NA HILL	SUN GROUP	SEAREE	2014	MIXING VALVE & CONTROLS
LPG DINH VU - HAI PHONG	PV GAS	VIET A CHAU	2014	ASCO, A+H SPARE PARTS
TOYOTA THAI NGUYEN	TOYOTA VIETNAM	TUNG LAM CO	2014	CLORIUS VALVE + SPARE PART
PVGAS VUNG TAU	PV GAS	VIET A CHAU	2014	APOLO SMOKE DETECTOR
MARIOTT RESORT - PHU QUOC	SUN GROUP	SUN LAND	2015	MIXING VALVE & CONTROLS
MARIOTT RESORT - PHU QUOC	SUN GROUP	SEAREFICO	2015	MIXING VALVE & CONTROLS
SHIP BUILDING	VARD VUNG TAU	SAINT GOBAIN	2015	MIXING VALVE & CONTROLS
REPLACEMENT	QUANG NGAI SUGAR	QUANG NGAI SUGAR	2015	RADIUS ACTUATOR + 4 WAY VALVE
P&G PLANT- BINH DUONG	P&G	SHINRYO VIETNAM	2015	DATA LOGGER
LANG PHAP- BA NA HILL	SUN GROUP	SEAREE DA NANG	2016	MIXING VALVE & CONTROLS
REPLACEMENT	YERGAT	YERGAT	2016	TEMPERATURE VALVE
CROWNE PLAZA - LAOS	BIM GROUP	BIM GROUP	2016	TEMPERATURE VALVE
REPLACEMENT	UN-KNOW	HONG NHUT CO	2016	THERMOSTAT + 3 WAY VALVE
UN KNOW	UN-KNOW	TUNG BACH NHAT	2016	THERMON HEAT TRACING
FOMALIN PLANT	AICA DONG NAI	AICA DONG NAI	2016	THERMON HEATING TRANSFER COMPOUND
NGHI SON REFINARY	NGHI SON	YOKOGAWA	2017	THERMON SAMPLE TUBES-CEMS
PHA LAI POWER PLANT	PHA LAI POWER	YOKOGAWA	2017	THERMON SAMPLE TUBES-CEMS
VINAMILK	VINAMILK	VINAMILK	2017	PRESSURE TRANSMITTER
INTERCONTINENTAL HOTEL	SUNGROUP	VAN KHANH ME	2017	CONTROL VALVES
VIETSOV PETRO PLATFROM	VIETSOV PETRO	TECHCO	2017	CONTROL VALVE
CÀ MAU FERTILIZER	CA MAU FERTILIZER	NAM VIET TECH	2017	MANUAL VALVE
VINH TAN 2 POWER PLANT	VINH TAN 2	VIET AN ENV JSC	2018	SOLENOID VALVE + THERMON SAMPLE TUBES-CEMS
HOA PHAT – DUNG QUAT	HOA PHAT STEEL	VIETAN ENV JSC	2018	THERMON SAMPLE TUBES-CEMS

NGHI SON REFINATRY	NGHI SON REF	THANH THIEN JSC	2019	THERMON SAMPLE TUBES-CEMS
PVGAS	PVGAS	DK ENGINEERING	2019	MANUAL VALVE OF OFFSHORE
SAIGON PETRO REFINARY	SAI GON PETRO	VIET AN ENV JSC	2019	THERMON SAMPLE TUBES-CEMS
DONG WHA FACTORY	DONGWHA	VIETAN ENV JSC	2019	THERMON SAMPLE TUBES-CEMS
HILTON SG HOTEL	HILTON GROUP	REE CORPORATION	2019	HEAT TRACING SYSTEM
NHƠN TRẠCH POWER PLANT	PV POWER	VIET AN	2019	HEATED for TUBES & PIPE
Song Hau Power Plan	FUJI ELECTRIC	PVN	2019	Heat Trace for CEMS system
HILTON HOTEL	HILTON GROUP	REE	2019	AIR-DUST FILTER
Long Son Refinery	Long Son Refinery	GE Power	2020	Valves for Water system
Wattens Factory	Wattens Viet Nam	Wattens Viet Nam	2020	Heat Tracing System for pipeline
Detmond Packaging	Detmon Company	Detmond Company	2020	Heat trace system for pipeline
Gain Lucky Vietnam	Gain Lucky VN	Gain Lucky Vietnam	2020	Heat Tracing for CEMS system
Polytex Vietnam	Polytex Vietnam	Polytex Vietnam	2020	Heat Tracing for CEMS system
Marubeni steel	Marubeni VN	Marubeni VN	2020	Heat Tracing for CEMS system
Vinh Tan 4	Vinh Tan Power	VIET AN	2020	COOLING SYSTEM
Vinh Tan 4	Vinh Tan Power	VIET AN	2020	Heat Trace for CEMS system
LG Vina	LG Vina	VIET AN	2021	Heat Trace for CEMS system
Vung Ang Power Plant	PVN	Yokogawa	2021	Heat Trace for CEMS system
Nhân Cơ Alumin Plant	Dak Nong Alumin	Dak Nong Alumin	2021	Heat Trace for silo & Pipeline
Long Son Refinery	Long Son Refinery	Vinaconex	2021	Heating System for HVAC
P&G Factory	P&G	Q-Industry	2021	Heat Trace system for pipeline
KisWire Factory	Kiswire Viet Nam	Kiswire Viet Nam	2021	Heat Tracing System for pipeline
Johnson Factory	Johnson & Johson	Viet An	2021	Heat Tracing for CEMS system
VRG Dongwha Factory	VRG Dongwha	VRG Dongwha	2021	Heat Tracing for CEMS system
Hoa Phat Steel Plant	Hoa Phat Steel	Hoa Phat Steel	2021	Heat Tracing for CEMS system
Acecook	Acecook	Acecook	2021	Heat Tracing for CEMS system
Liwaway Viet Nam	Liwaway Viet Nam	Liwaway Viet Nam	2021	Heat Tracing for CEMS system
Hailide Viet Nam	Hailide Viet Nam	Hailide Viet Nam	2021	Heat Tracing for CEMS system
BIWASE	BIWASE	BIWASE	2021	Heat Tracing System
Ngoc Diep Alumin	Ngoc Diep Alumin	Ngoc Diep Alumin	2021	Heat Trace System
Sai Gon Petro	Sai Gon Petro	Sai Gon Petro	2021	Heat Trac System
VINCEM Cermen	VINCEM	VINECEM	2021	Heat trace for CEMS system
Na Duong TKV	Na Duong TPL	Nam Thang	2022	CEMS Heated Tube Bundle

NSRP	Heat Tracing Replacement	NSRP	2022	Heat Trace system
AK Vina	AK VINA Factory	Viet An Group	2022	Heated CEMS Tube Bundle
Park Hyatt Resort	Park Hyatt Resort	Doan Nhat M&E	2022	Thermal Control Valve
Cao Ngan Thermal Plant	Cao Ngan TPL	Viet An Group	2022	Heated CEMS Tube Bundle
Block 12 Field Development	Premier Oil	Premier Oil	2022	Heat Tracing System
Lam Son FPSO	Lam Son JOC	Lam Son JOC	2022	Heat Tracing System
LNG Hải Linh	Hai Linh	Tan Tien Automation	2022	Heat Tracing system
Na Duong Power Plant	Na Duong Power Plant	Na Duong	2023	CEMS heated Tube bundle
Temple Project	Showa JSC	Showa JSC	2023	HAVC air heating system
NSRP Plant	NSRP	NSRP	2023	CEMS heated tube bundle
NSRP Plant	NSRP	NSRP	2023	Immersion Heaters
Mong Duong Power Plant	Mong Duong	Mong Duong	2023	CEMS Heater tube bundle
Samsung Polymer Plant	Samsung Polymer	Samsung Polymer	2023	Heat Tracing for tanks
AICA Chemical Plant	AICA	AICA	2023	Heat Tracing for pipe
Dai Hung Phase 3 Platform	PVEP POC	ECC	2023	Immersion Heaters for oil tanks
Formosa Ha Tinh	Formosa	Formosa	2023	Heat Tracing for pipe

For more information about our projects, please access below link:
<https://wili.com.vn/project-list>





INDUSTRIAL PROCESS HEATING PRODUCTS & ACCESSORIES

HEAT TRACING

ELECTRIC HEATING CABLES

SELF-REGULATING HEATING CABLES

Features:

- Semiconductive Self-Regulating Heating Matrix
- Cut-to-Length Parallel Circuitry
- Nickel-Plated Copper Bus Wires
- Metallic Braid for Grounding Purposes
- Polyolefin or Fluoropolymer Overjacket
- Worldwide Approvals

BSX™

- Freeze Protection and Temperature Maintenance to 65°C (150°F)
- Maximum Exposure Temperature: 85°C (185°F)
- Available Watt Densities: 10, 16, 26, 33 W/m @ 10°C (3, 5, 8 & 10 W/ft @ 50°F)
- Available Voltages: 110–120 or 208–277 Vac
- Available With Fluoropolymer Overjacket (FOJ)



HTSX™

- Freeze Protection and Temperature Maintenance to 150°C (302°F)
- Maximum Exposure Temperature: 250°C (482°F)
- Withstands Temperatures Associated With Steam Purging
- Available Watt Densities: 10, 20, 30, 39, 49, 66 W/m @ 10°C (3, 6, 9, 12, 15, & 20 W/ft @ 50°F)
- Available Voltages: 110–120 or 208–277 Vac



VSX™-HT

- Freeze Protection and Temperature Maintenance up to 200°C (392°F)
- Maximum Exposure Temperature: 250°C (482°F)
- Withstands Temperatures Associated with Steam Purging
- Available Watt Densities: 16, 33, 49, 66 W/m @ 10°C (5, 10, 15, & 20 W/ft @ 50°F)
- Available Voltages: 110–120 or 208–277 Vac



POWER-LIMITING HEATING CABLES

Features:

- PTC Coiled Resistive Alloy Heating Element
- Cut-to-Length Parallel Circuitry
- Nickel-Plated Copper Bus Wires
- Metallic Braid for Grounding Purposes
- Fluoropolymer Overjacket
- Worldwide Approvals

HPT™

- Freeze Protection and Temperature Maintenance up to 210°C (410°F)
- Maximum Exposure Temperature: 260°C (500°F)
- Available Watt Densities: 16, 33, 49, 66 W/m @ 10°C (5, 10, 15 & 20 W/ft @ 50°F)
- Available Voltages*: 120 and 240 Vac Nominal



*Additional voltages are available; contact Thermon

HEAT TRACING

ELECTRIC HEATING CABLES

SELF-REGULATING HEATING CABLES

Features:

- Semiconductive Self-Regulating Heating Matrix
- Cut-to-Length Parallel Circuitry
- Nickel-Plated Copper Bus Wires
- Metallic Braid for Grounding Purposes
- Polyolefin or Fluoropolymer Overjacket
- Worldwide Approvals

KSX™

Freeze Protection and Temperature Maintenance to 121°C
Maximum Exposure Temperature: 200°C
Available Watt Densities: 10, 16, 26, 33 W/m @ 10°C
(3, 5, 8 & 10 W/ft @ 50°F)
Available Voltages: 110–120 or 208–277 Vac
Available With Fluoropolymer Overjacket (FOJ)

USX™

- Freeze Protection and Temperature Maintenance to 240°C
- Maximum Exposure Temperature: 250°C (482°F)
- Withstands Temperatures Associated With Steam Purging
- Available Watt Densities: 10, 20, 30, 39, 49, 66 W/m @ 10°C
(3, 6, 9, 12, 15, & 20 W/ft @ 50°F)
- Available Voltages: 110–120 or 208–277 Vac

HOT WATER WarmTrace™ HSX®

- Freeze Protection and Temperature Maintenance up to 41°C; 49°C; 60°C
- Maximum Exposure Temperature: 120°C (482°F)
- Withstands Temperatures Associated with Steam Purging
- Available Watt Densities: 16, 33, 49, 66 W/m @ 10°C
(5, 10, 15, & 20 W/ft @ 50°F)
- Available Voltages: 110–120 or 208–277 Vac

WarmTrace™ HSX® SELF-REGULATING HEAT TRACING FOR WATER

Features:

- PTC Coiled Resistive Alloy Heating Element
- Cut-to-Length Parallel Circuitry
- Nickel-Plated Copper Bus Wires
- Metallic Braid for Grounding Purposes
- Fluoropolymer Overjacket
- Worldwide Approvals

HSX™

HSX heat tracing, the heart of Thermon's WarmTrace™ system, are specifically designed to maintain hot water supply piping at desired nominal maintenance temperatures. With 1.9 mm²(14 AWG)

bus wires (larger than any other system available), HSX can reduce the number of circuits required to install an electric heat traced system.

*Additional voltages are available; contact Thermon



ELECTRIC HEATING CABLES

CONSTANT WATT HEATING CABLES

Features:

- Nichrome Heating Element
- Cut-to-Length Parallel Circuitry
- 12 AWG Copper Bus Wires
- Metallic Braid for Grounding Purposes
- Fluoropolymer Overjacket
- Worldwide Approvals

FP

- Freeze Protection and Temperature Maintenance to 65°C (150°F) and Foundation Heating
- Maximum Exposure Temperature: 200°C (392°F)
- Available Watt Densities: 8, 16, 33 W/m @ 10°C (2.5, 5 & 10 W/ft 50°F)
- Available Voltages: 120, 240, 480 and 575 Vac



MINERAL INSULATED HEATING CABLES

Features:

- High Temperature Magnesium Oxide Dielectric
- Seamless Alloy 825 Sheath
- Worldwide Approvals

MIQ™

- Freeze Protection and Temperature Maintenance to 500°C (932°F)
- Maximum Exposure Temperature: 600°C (1,112°F)
- Available Watt Densities: Designs up to 262 W/m (80 W/ft)
- Available Voltages: Rated up to 600 Vac



SERIES RESISTANCE HEATING CABLES

Features:

- Circuit Lengths up to 3660 m (12,000 ft)
- Metallic Braid for Grounding Purposes
- Fluoropolymer Overjacket
- Worldwide Approvals

TEK™

- Freeze Protection and Temperature Maintenance to 101°C (214°F)
- Maximum Exposure Temperature: 232°C (450°F)
- Available Watt Densities: Designs up to 65 W/m (20 W/ft)
- Available Voltages: Rated up to 600 Vac



SKIN EFFECT HEATING SYSTEMS

Features:

- Circuit Lengths up to 24 Kilometers (15 Miles)
- Nickel-Plated Copper Bus Wires
- Rugged Heat Tube to Generate Heat
- Available Scuff Jacket
- Worldwide Approvals

ThermTrac™

- Freeze Protection and Temperature Maintenance to 200°C (392°F)
- Maximum Exposure Temperature: 260°C (500°F)
- Power Outputs: up to 165 W/m (50 W/ft)
- Operating Voltages: up to 5 kV



HEAT TRACING

INSTRUMENT TUBING BUNDLES

ELECTRICALLY HEATED INSTRUMENT TUBING FOR FREEZE PROTECTION AND TEMPERATURE MAINTENANCE

TubeTrace® Type SE/ME

Approved for hazardous (classified) locations, including options for Class I, Division 1 or Zone 1.

TubeTrace with VSX™ Self-Regulating Heat Trace

- Use where high temperature exposure is a consideration.
- Tube Temperature Range: 5°C to 149°C (40°F to 300°F)
- Maximum Exposure Temperature¹: 250°C (482°F)

TubeTrace with BSX™ Self-Regulating Heat Trace

- Use for water freeze protection and low temperature maintenance.
- Tube Temperature Range: 5°C to 65°C (40°F to 150°F)
- Maximum Exposure Temperature¹: 85°C (185°F)

TubeTrace with HTSX™ Self-Regulating Heat Trace

- Use where temperature exposure to steam purge is expected
- Tube Temperature Range: 5°C to 150°C (40°F to 302°F)
- Maximum Exposure Temperature¹: 250°C (482°F)

TubeTrace with HPT™ Power-Limiting Heat Trace

- A “cut-to-length” heat tracing for higher temperature maintenance. Also used for freeze protection where high temperature exposure is a factor. HPT power-limiting cables represent the best choice for maintaining temperatures up to 204°C (400°F) that can be “cut-to-length” in the field.
- Tube Temperature Range: 5°C to 204°C (40°F to 400°F)
- Maximum Exposure Temperature¹: 260°C (500°F)



CUSTOM CEMS AND ANALYZER BUNDLES

Many analyzer applications have specialty tubing requirements, all of which Thermo can provide within our instrument tubing bundles. Examples of tube materials and finishes available include:

- Fluoropolymer tubing, 316 and 304 stainless, welded or seamless, Monel, Titanium, Inconel 825, and Alloy 20.
- Optional Electropolished (EP), Chemical Passivation (CP), and performance coatings such as SilcoNert2000 are also available on stainless steel tubing.
- Multiple tube materials can be provided in a common bundle.

“NI” Non-Insulated (And Non-Heated) Bundle & Other TubeTrace Options Can Include:

- Auxiliary Conductors
- Unheated Tubes
- Factory Installed Temperature Sensor(S)
- Special Markings And Identification As Required



Notes:

1. Reflects maximum exposure temperature of heater.
2. Monel and Inconel are trademarks of Inco Alloys International, Inc. Trade name of SilcoTek™, formerly a division of Restek Performance Coatings. SilcoNert™1000 replaces Silcosteel®. SilcoNert™2000 replaces Sulfinert®/Siltek®.

STEAM TRACING AND TANK/HOPPER HEATING

HEAT TRANSFER COMPOUNDS TO MAINTAIN HIGH TEMPERATURES

“Thermonized” With Thermon Heat Transfer Compounds

- Consistent Heat Transfer Properties
- Less Than 20% of Cost for Steam Jacketing

Snaptrace® Preformed Extrusions For Straight Piping

- Available in 1.22 m (4 ft) lengths
- Significantly Reduces Installation Time
- No Surface Preparation Required
- Use With Up to 208°C (406°F) Fluid/Steam



HT Compounds for Piping, Valves & Irregular Surfaces (Maximum temperature ratings shown)

- **T-3:** 371°C (700°F)
- **T-75:** 425°C (800°F)
- **T-99:** 1,000°C (1,832°F)
- **T-85:** 190°C (375°F)
- **T-802:** 135°C (275°F) Two-Part Compound



ISOLATED STEAM TRACERS FOR LOWER MAINTAIN TEMPERATURES

SafeTrace™ SLS-IT:
24°C to 93°C (75°F to 200°F)

SafeTrace™ DLS-IT:
5°C to 54°C (40°F to 130°F)

SafeTrace™ Provides Increased Safety

- SafeTrace Tracers Comply With Tests for Skin Exposure (per ASTM Std C-1005/1057)
- Safety Yellow Jacket Alerts Plant Personnel to Potentially Dangerous Conditions

SafeTrace™ Provides Predictable Heat Transfer

- Permits Winterization for Any Size Pipe
- Eliminates Hot/Cold Spots Associated With Bare Tubing and Spacer Blocks
- Suitable for Temperature-Sensitive Processes

Medium Maintain Temperatures

- **SafeTrace™ BTS:** 38°C to 121°C (100°F to 250°F)



STEAM SUPPLY/CONDENSATE RETURN LINES

ThermoTube® Pre-Insulated Tubing

- Ideally Suited to Transport Liquids, Gases or Refrigerants
- Non-hygroscopic Glass Fiber Insulation for Efficiency
- Protective Outer Jacket Resists Weather and Moisture
- ThermoTube Can be Installed in Cable Trays, Angles, Channels, Struts and on I-Beams
- All Tubing Types Available
- Continuous Temperature Range: Service to 205°C (400°F) *
- ThermoTube ratings to 593°C (1100°F) also available *



*Higher tube temperatures are possible with XINS-extra insulation HT and HTX type designs. For steam heated instrument tubing, see Instrument Tubing Bundles.

STEAM TRACING AND TANK/HOPPER HEATING

TANK AND VESSEL HEATING

RT FlexiPanel® & RTF FlexiPanel® Tank and Vessel Heating Units

- High Temperature Lead Wires (16 AWG)
- Protective Metal Jacket
- Parallel Circuit High Temperature Alloy Heating Element
- Heat-Laminated, High Temperature Silicone Rubber Insulation
- Nominal Output:
 - RT FlexiPanel 500, 1,000, and 2,000 W
 - RTF FlexiPanel 300 and 500 W
- Supply Voltage: 120 or 240 Vac
- Temperature Maintenance to: 121°C (250°F)
- Maximum Exposure Temperature: 232°C (450°F)



HeetSheet® Tank and Vessel Heating Units

- Provides Predictable and Reliable Heating (or Cooling)
- Factory-Applied Non-Hardening Heat Transfer Compound Ensures Maximum Heat Transfer
- Waffle Pattern Permits Multiple Flow Paths for Heating and Cooling Media
- Provides 2 to 3 Times the Heat Transfer of Plate-Type Coils
- No Risk of Cross-Contamination with Process
- Lightweight Stainless Steel Construction for Easy Installation
- Stainless Steel Inlet and Outlet Tubing Provided from Factory



HOPPER AND CHUTE HEATING

HT Module Hopper Heater

- Fluoropolymer Insulated High Temperature 16 AWG Lead Wires (with stress relief at connection)
- Parallel Circuit High Temperature Alloy Heating Element
- Temperature-Rated Insulation (directs energy towards surface to be heated)
- Aluminized Steel Protective Enclosure and Cover
- Temperature Maintenance up to 427°C (800°F)
- Maximum Exposure Temperature: 538°C (1000°F)
- Maximum Watt Density: 4,650 W/m² (3 W/in²)
- Supply Voltages: 120–600 Vac



HEAT TRACING

CONTROL AND MONITORING

ELECTRONIC CONTROLLERS

TraceNet™ Genesis

- Monitor electric heat trace circuit load currents
- Selectable control method (On/Off, On/Off With Soft Start, Proportional, Ambient Proportional) for each individual circuit
- Programmable alarm set points, with time delay and remote alarm acknowledgment and reset capabilities
- Programmable “trip” set-points for each circuit
- Temperature sensor status indication
- Unique circuit identifier (48 characters maximum)
- Communication to host computer via Ethernet communications
- Adjustable ground/earth leakage “trip” and/or alarm capabilities
- Addressable RTD Temperature Sensors - up to twenty (20) per circuit
- Up to 6 months history to aid in troubleshooting
- ISO drawing in pdf format for viewing on Genesis HMI



TraceNet™ TCM18

- Monitor electric heat trace circuit operating and ground/earth leakage currents
- Selectable control method (On/Off, On/Off With Soft Start, Proportional, Ambient Proportional) on a per circuit basis
- Programmable alarm set points, with alarm acknowledgment and reset capability
- Programmable trip set-points for each circuit
- Temperature sensor status indication
- Unique circuit identifier
- Communication to host computer via RS485 serial communication.
- “Push to Test” ground/earth leakage test feature on a per circuit basis
- Ground/earth leakage interruption capability



TraceNet™ TCM2

- Monitor electric heat trace circuit operating and ground/earth leakage currents
- Selectable control method (On/Off, On/Off With Soft Start, Proportional, Ambient Proportional) on a per circuit basis
- Programmable alarm set points, with alarm acknowledgment and reset capability
- Programmable trip set-points for each circuit
- Temperature sensor status indication
- Communication to host computer via RS485 serial communication.
- “Push to Test” ground/earth leakage test feature on a per circuit basis
- Ground/earth leakage interruption capability



TraceNet™ ECM

- Encapsulated electronics and control
- One temperature control module for wide range of temperature control and limiter applications
- Energy saving accurate electronic temperature control action
- Data highway communication capability
- Selectable automatic or manual reset limiter action
- Control/limiter setting in degrees Centigrade or degrees Fahrenheit
- Combines power junction box and control module in one unit
- Also available as ambient thermostat (WP mount only)



HEATERS FOR THE HARSHTEST ENVIRONMENTS

CX1 PROVECTOR® CONVECTION HEATER

Features:

- Designed and manufactured specifically for demanding requirements and harsh operating conditions such as those in the gas well drilling industry
- Models range from 0.75 to 10.0 kW, 120 to 600 V, single phase, and 208 to 600 V, three phase
- UL C/US certified for Groups A, B, C, D, IIA, IIB and IIC; IP55 moisture ingress protection available



AH ADVANCED HORIZONTAL HEAT EXCHANGER UNIT HEATER

Features:

- Designed for rugged industrial applications and can be used with a variety of heat transfer fluids such as steam, circulating hot water, and glycol heating systems or in liquid cooling applications
- Models range from 6,000 to 1,200,000 BTU/hr and 115 to 440 V
- UL and CSA certified motors; explosion-proof or general purpose
- All models are CRN registered



AV ADVANCED VERTICAL HEAT EXCHANGER UNIT HEATER

Features:

- Designed for rugged industrial applications such as steam, circulating hot water, or glycol heating systems, in addition to a wide range of other heating fluids and can be used for both space heating and liquid cooling applications
- Maximum operating pressure and temperature rating of 450 psi and 343°C (650°F)
- UL and CSA certified motors; explosion-proof or general purpose
- All models are CRN registered



RGE REGULAR-DUTY FORCED AIR UNIT HEATER

Features:

- Designed for use in regular-duty industrial and commercial space heating applications
- Models range from 2 to 40 kW and 208 to 600 V
- CSA C/US certified
- CE marked
- EAC marked



RGX HEAVY-DUTY FORCED AIR UNIT HEATER

Features:

- Specifically engineered for heavy-duty use in industrial environments
- Models range from 15 to 50 kW and 208 to 600 V
- UL and CSA certified
- CE marked
- EAC marked



HEATERS FOR THE HARSHTEST ENVIRONMENTS

FX5 EXPLOSION-PROOF ELECTRIC AIR UNIT HEATER

Features:

- Designed for the harshest industrial environments including dry indoor industrial applications, drilling rigs, plant and process buildings
- Models range from 3 to 35 kW and 208 to 600 V
- UL certified for the following hazardous location classifications: Class I, Divisions 1 & 2, Groups C & D; Class II, Divisions 1 & 2, Groups E, F & G; Class I, Zones 1 & 2, Groups IIA & IIB; Temperature Code T3B 165°C (329°F)



FX5-SD SEVERE DUTY ELECTRIC AIR UNIT HEATER

Features:

- Built for severe duty applications that can lead to accelerated wear of electrical components and damage to the heater core, including locations with fluctuating power quality, temporary power generation, high vibration, dirty or corrosive atmospheres, or extended maintenance intervals
- Models range from 3 to 35 kW and 208 to 600 V
- UL certified for the following hazardous location classifications: Class I, Divisions 1 & 2, Groups C & D; Class II, Divisions 1 & 2, Groups E, F & G; Class I, Zones 1 & 2, Group IIA & IIB; Temperature Code T3B 165°C (329°F)



HP HIGH PRESSURE HEAT EXCHANGER UNIT HEATER

Features:

- Extra heavy-duty to meet the most demanding service and long life requirements for rugged industrial applications, such as space heating and liquid cooling
- Models range from 115 to 575 V; explosion-proof or general purpose
- UL and CSA certified motors
- All models are CRN registered
- EAC marked for Eurasian markets



FR FROST-RESISTANT HEAT EXCHANGER UNIT HEATER

Features:

- Specifically designed for steam applications that may be subject to freezing conditions, and of particular value for outdoor applications
- Models range from 115 to 575 V; explosion-proof or general purpose
- UL and CSA certified motors
- All models are CRN registered
- EAC marked for Eurasian markets



CR1 TRITON™ CORROSION-RESISTANT WASHDOWN HEATERS

Features:

- A new generation of NEMA 4X corrosion-resistant washdown heaters
- Entire heater is NEMA Type 4X
- Epoxy coated fan blade
- 16-gauge stainless-steel cabinet
- Custom configured stainless-steel elements
- Optional built-in accessories
- Stainless-steel wall/ceiling mounting kit
- 120 V controls
- Stainless-steel temperature high-limit



ENGINEERED ELECTRIC HEAT

CCR1 TRITON™ WASHDOWN UNIT HEATER

Features:

- NEMA 4X corrosion-resistant washdown heater, suitable for non-hazardous locations and applications using water pressure of less than 70 psi
- Available in a range of wattages, from 3 to 39 kW
- UL listed for Coast Guard and marine applications
- EAC marked



GE REGULAR-DUTY FORCED AIR UNIT HEATER

Features:

- Designed for use in regular-duty industrial and commercial space heating applications
- Models range from 2 to 40 kW output
- Available in a range of voltages from 208 to 600 V
- CSA C/US certified
- CE marked for global markets
- EAC marked



GX HEAVY DUTY FORCED AIR UNIT HEATERS

Features:

- Specifically engineered for heavy-duty use in industrial environments
- Available in 15–50 kW units (optional 10 kW unit); 40 and 50 kW units incorporate split loads (50%) for remotely controlled energy management systems
- CSA C/US certified
- CE marked for global markets
- EAC marked



IMMERSION HEATERS

Features:

- Immersion heaters are mainly used for process heating in both hazardous and non-hazardous areas such as in tanks, pressure vessels, and pipe assemblies
- Process fluids include water, heavy and light hydrocarbons, acids, polymers, salts and gases
- Available in 500 W–2.5 MW depending on the element length and voltages from 110 V to 690 V
- High quality replacements for the most commonly used heater types
- CSA C/US certified
- CE/ATEX & IECEX marked
- EAC marked



PGH PILOT GAS HEATER

Features:

- Designed to heat the pilot tube gas stream of an automatic pressure reducing valve
- Combines a high efficiency aluminum casting with a digital temperature controller to maintain the pilot tube gas stream temperature, regardless of the gas flow rate
- The precise temperature control of this heater prevents damage to valve seals caused by freezing of entrained moisture, while maintaining a temperature low enough to prevent damage caused by overheating
- Temperature code: T4
- Available in 250–750 W and 120 V, 208 V, and 240 V
- CSA C/US certified



ENGINEERED ELECTRIC HEAT

INDIRECT CIRCULATION HEATER

Features:

- Used primary in indirect heating applications where the process fluid needs to be isolated from the heating source or media
- Based on a helicoidal coil immersed in an oil bath that is heated by an electric immersion heater
- Typical applications include high pressure gas (above 3000 psi) and applications with low gas flow rates
- Certified to CSA C/US, CE/ATEX, IECEX, and B31.3 (on coil)
- EAC marked
- CE marked



CIRCULATION HEATERS

Features:

- For use in liquid and gas applications
- Available in horizontal or vertical orientations
- Available in vessel sizes up to 127 cm (50")
- Carbon steel or custom alloy materials
- Available in wattages up to 5000 kW and voltages from 110 to 690 V
- Certified to CSA C/US, IECEX, and CE/ATEX
- EAC marked for Eurasian markets
- ASME Section VIII, Division 1 or Division 2
- CE marked



HEAT TRANSFER SKID

Features:

- Custom designed, skid mounted unit provides process heat utilizing electric heaters to heat water, glycol, oil or heat transfer mediums
- Custom designs can incorporate water or steam boilers, super heaters and filtration equipment
- Available in wattages up to 5000 kW and voltages from 110 to 690 V
- Carbon steel or custom alloy materials
- PLC or hard-wired controls
- Certified to CSA C/US, IECEX, and CE/ATEX
- EAC marked
- ASME Section VIII, Division 1 or Division 2



ENGINEERED SYSTEMS

Features:

- Customized heating, filtration, and process solutions in a turnkey package
- Complete switch gear and control packages
- Design registration
- ASME Section VIII, Division 1 and 2
- Certified to CSA C/US, IECEX, and CE/ATEX
- EAC marked
- ASME rated interconnecting piping
- Available on-site start-up and commissioning assistance



CONTROL PANELS

Features:

- Custom built to meet various environmental requirements, including dust, oil, and water, as well as corrosive or hazardous locations
- Certified to CSA C/US, UL, IECEX, and CE/ATEX
- EAC marked
- Designs suitable for Ordinary Location, Class I, Division 1, Groups C & D, Zone 1, flameproof & purged



TEMPERATURE CONTROL VALVE

Clorius
Controls A/S

- | | | | |
|--|---|--|--|
| <p>1. 
Thermostat
DN 15/4 - 150
2-way valve</p> | <p>5. 
Electric Actuator
3 point, analogue
2-way valve
(DN 15/4 - 800)</p> | <p>Controller ER 2000
(Electric)</p> | <p>Sensor PT100
</p> |
| <p>2. 
Thermostat
DN15/4 - 150
3-way valve</p> | <p>6. 
Electric Actuator
3 point, analogue
3-way valve
(DN 20 - 800)</p> | <p>Controller ER 2000
(Electric)</p> | <p>Sensor PT100
</p> |
| <p>3. 
Pressure reducing valve
DN 15- 80</p> | <p>7. 
Electric Actuator
3 point, analogue
3-way valve
(DN 20 - 800)</p> | <p>Controller ER 3000
(Electric)</p> | <p>Sensor PT100
Transmitter 24 mA

</p> |
| <p>4. 
Differential Pressure Controls
DN 15 - 150</p> | <p>8. 
Pneumatic Actuator
spring close/open
2-way valve
(DN 15/4 - 800)
Positioner</p> | <p>Controller (Pneumatic)</p> | <p>Transmitter 24 mA
</p> |
| <p>9. 
Pneumatic Actuator
spring close/open
3-way valve
DN 20 - 800
Positioner</p> | <p>Controller (Pneumatic)</p> | <p>Transmitter 24 mA
</p> | |
| <p>10. 
Pneumatic Actuator
spring close/open
3-way valve
DN 20 - 800
Positioner</p> | <p>Controller ER 2000
(Electric)</p> | <p>Sensor PT100
</p> | |

15

WATER VALVES

INTRODUCTION

GENERAL VALVES



Air Vents /
De-Aerators

22



Draw-Off
Cocks/ Drain Taps

78



Ball Valves

24



Gate Valves

82



Butterfly
Valves

32



Globe Valves

108



Butterfly Valves
for Heating
& Chilled Water
Systems

46



Strainers

126



Check
Valves

56

PUBLIC HEALTH



Thermal
Circulation
Valves (TCV)

140



Pressure
Reducing
Valves (PRV)

144



Thermostatic
Mixing
Valves (TMV)

142



Butterfly
Valves

148

INTRODUCTION

Crane BS&U
International
Locations

2

Our Heritage

4

About us

5

Quick Selection
Guide

9

BALANCING VALVES

ProBalance



Flow
Measurement
Devices

12



Fixed Orifice
Double
Regulating Valves

18



Double
Regulating
Valves

15



Variable Orifice
Double
Regulating Valves

20

A SuperKlean Exclusive

STEAM WATER MIXING STATION

RATED #1

Based on independent testing by steam industry experts.

INDUSTRY'S ONLY LOCKING MECHANISM

The steam lock nut is used to limit steam flow rate in the scenario that steam pressure is at least twice of water pressure, and the desired hot water temperature is relatively low. After achieving the desired temperature with the temperature hand-wheel, use the lock nut to limit the maximum steam flow rate so the desired temperature can be achieved each time both inlet hand-wheels are turned all the way open.

COMMON MOUNTING DIMENSIONS

Heavy duty mounting plate shares mounting hole specifications with the leading competitive solution.

TECHNICALLY SUPERIOR DESIGN

SuperKlean's powerful and durable inner steam poppet design is a technological work of art. It provides ultimate safety against steam leakage, keeping your operators safe.

SAFEST DESIGN

SuperKlean leads the industry with our exclusive "Safety-First" steam unit design. -Never passes live steam even during a sudden interruption of water flow. Without adequate water pressure, the steam poppet forms a seal with its poppet seat, preventing steam from entering the mixing chamber and hose.

SECONDARY OUTLET

A SuperKlean customer favorite feature. Provides additional hot water source.

LOW PRESSURE? NO PROBLEM!

Operates on as little as 30 PSI, and all the way up to 150 PSI! Perfect for handling fluctuations in water pressure, over a wide range of piping scenarios.

SET TEMPERATURE ONCE: IMPROVE PRODUCTIVITY!

SuperKlean's temperature hand-wheel design provides a convenient and precise one time temperature adjustment. Once the desired temperature is set with the temperature wheel, only the globe valves need to be fully opened to achieve the previously set temperature. No need to fine tune the globe valves each time you turn on the mixing station!

PRIMARY OUTLET

Increasingly, plant safety managers are switching to SuperKlean 8000 Series steam units, based on competitive units leaking hazardous steam into hoses and nozzles.

BY FAR THE EASIEST STEAM MIXING STATION TO MAINTAIN

Preventive maintenance on SuperKlean's 8000 Series steam unit is the fastest, easiest, and lowest cost in the washdown industry! Watch our 8000 maintenance video and you will be amazed at how we excel over the competition. Your manpower and cost savings over the life of the unit is substantial. All it takes is 15 minutes and one low cost replacement gasket!

3 YEAR WARRANTY

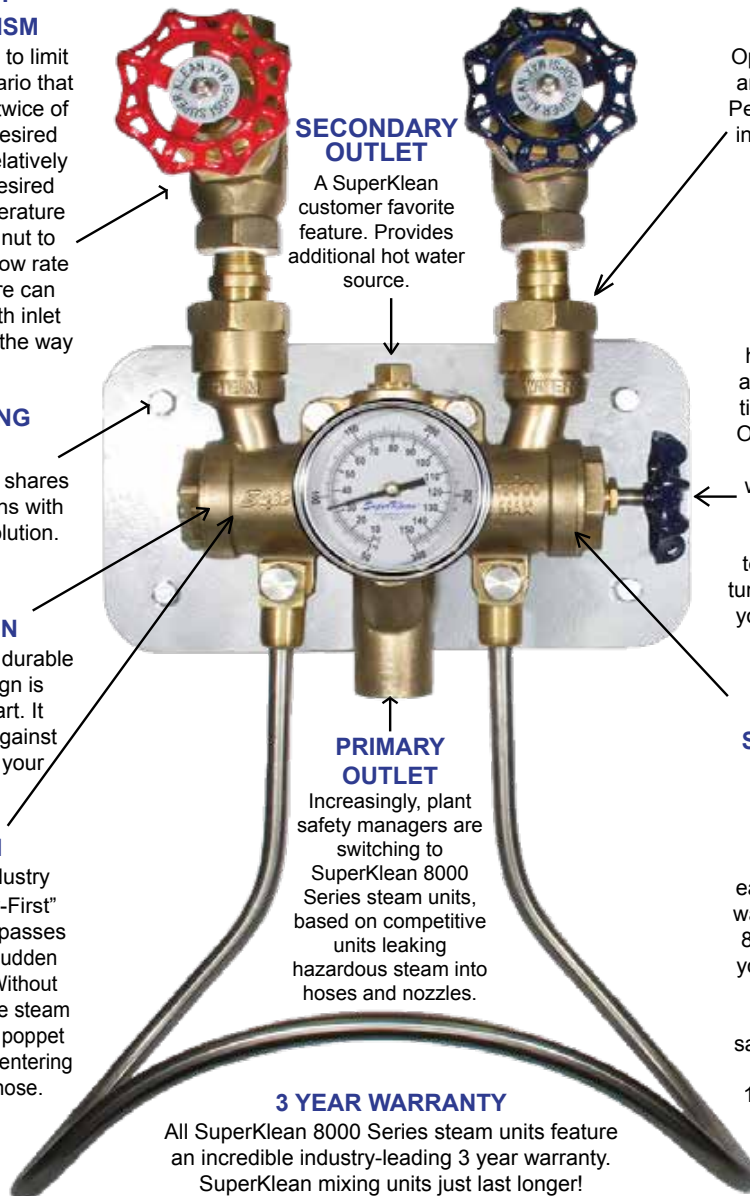
All SuperKlean 8000 Series steam units feature an incredible industry-leading 3 year warranty. SuperKlean mixing units just last longer!

To watch a video regarding "Safest Design" visit YouTube: "SuperKlean DuraMix 8000 Safety Feature Animation"

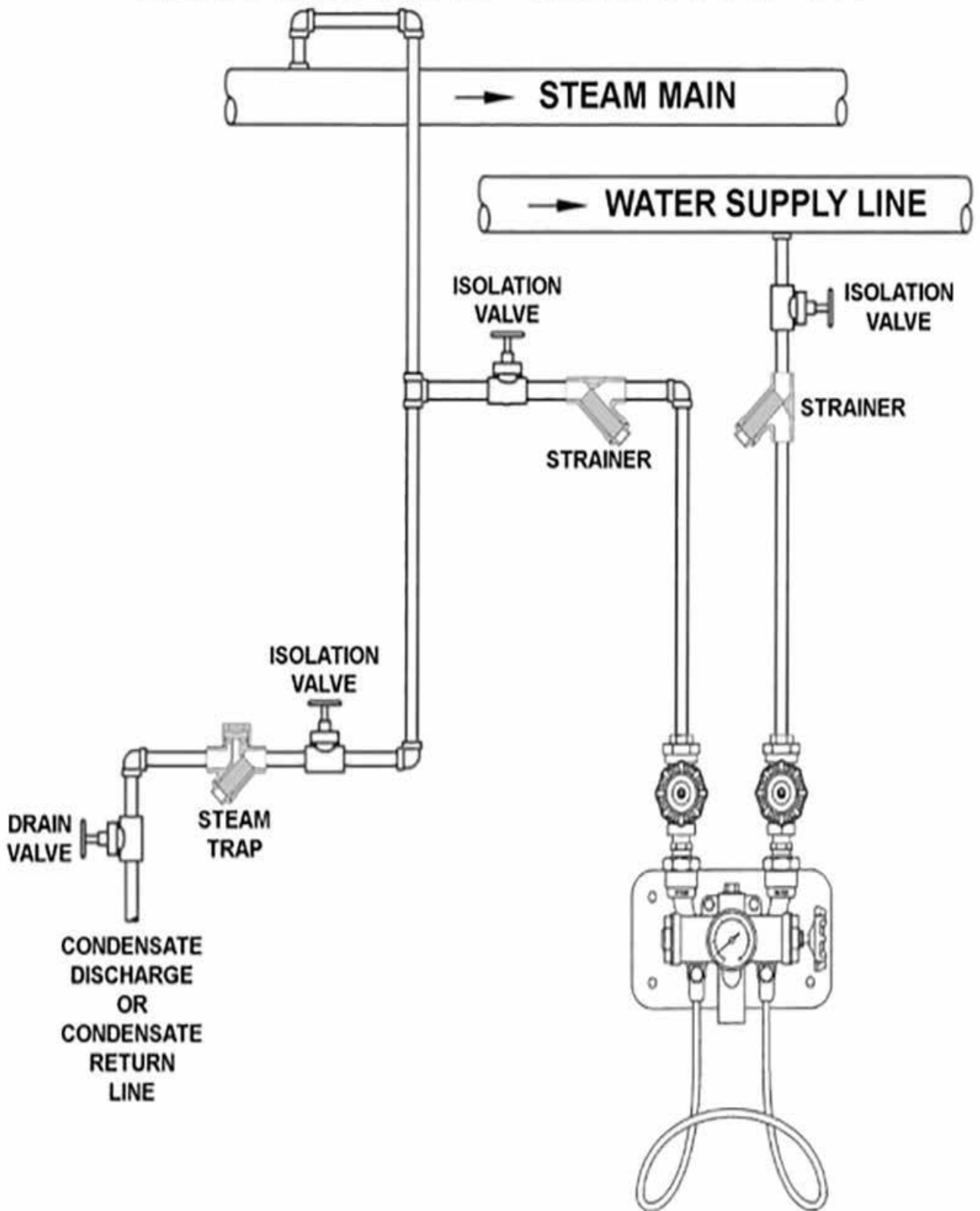
To see how easy our maintenance is, visit YouTube: "SuperKlean DuraMix 8000 Steam & Cold Water Mixing Station Maintenance"

ALL-IN-ONE PACKAGING

Comes packaged with everything pictured (except the thermometer) for immediate installation and connection to steam/water pipes.



Recommended Installation Layout



BALL VALVE FOR INDUSTRY

The BROEN ball valves are dedicated for production, processing, transmission and distribution in the gas, oil, petrochemical, chemical, heating and other industries and for a wide range of fluids, such as:

Gas

**NATURAL GAS
PROPANE
BUTANE
OTHER GASES MIXTURES**



Since introduction of BOG valves for natural gas we have successfully delivered our products to installations and pipelines operated by largest companies in the CEE countries, i.e. PGNiG SA/ Gaz System SA (Poland), SSP (Slovakia), MOL (Hungary). Constantly by largest companies in the CEE countries, i.e. PGNiG SA/ Gaz System SA (Poland), SSP (Slovakia), MOL (Hungary). Constantly all these features guarantee satisfaction of our Customers.

Fuels

**DIESEL
LPG
PETROL
JET A1**



BOG valves have been faultlessly operating for more than 10 years in LPG installations of companies like Orlen Gaz, Gaspol, Amerigas (former Shell Gas) in Poland, Lukoil in Kaliningrad (Russia), Latvijas Propana Gaze or Intergaz in Latvia. We supply ball valves for gas/LPG stations, transloading terminals, storage tanks and tank trucks/railcars. We are preferred supplier to all locations where durability, safety and operational reliability is of highest importance. BOG for last 6 years has been certified supplier of ball valves to fuel installations for NATO army bases, including also installations for aviation fuel Jet A1. We have been also supplying products to fuel bases for civil airports, i.e. for company Petrolot operating at the Warsaw airport.

Oil

**OIL
LIGHT CRUDE OIL
PENTANE/HEXANE
OTHER OIL PRODUCTS**



Similarly to fuel applications, our ball valves are best solution for oil and oil-derivatives installations. Faultless and smooth operation allowed for application in both refineries and oil-storages of such companies as Leptos or Orlen, as well as in heavy-duty oil-heating systems. Sophisticated technological solutions, expertise and satisfaction of our current customers allow for planning of further development of this segment and guarantee our future customers high quality of products and service.

CHANGE THE WAY YOU STORE AND PROTECT MATERIALS



VERSATILE
Work on both steel and poly drums

FULL-COVERAGE
Provide an insulated, full-wrap design

SAFE
Deliver safe, distributed heat to temperature sensitive materials

PROTECT
Preserve expensive materials without overheating or burning

VISCOSITY
Improve viscosity and Flow with easy - to - apply controlled heat

NO MORE WASTE
Prevent product waste by safely maintaining consistent temperatures

Hazardous Area CID2 Products Now Available!



WE HAVE OPTIONS

PRO SERIES:
*Includes a thermostatic controller for optimal control which allows you to adjust temperatures from ambient up to 145°F / 63°C (± 5°F / 3°C).**

PRO SERIES:
*Includes a thermostatic controller for optimal control which allows you to adjust temperatures from ambient up to 145°F / 63°C (± 5°F / 3°C).**

HAZARDOUS LOCATIONS SERIES:
CID2 Hazardous area product options available

STANDARD SIZES:
bucket size and sizes for 15, 30, and 55 gallon drums

ACCESSORY PRODUCTS:
thermal insulation with insulated top and bottom accessory products

**Product Temperatures may vary depending on boundary conditions*

DRUM & BUCKET HEATERS

Drum heaters are one of the most popular lines of Powerblanket products. The innovative design has changed the conventional method of heating materials by providing targeted and evenly distributed heat to the surface of the drum, thus eliminating hot and cold spots.



MIKE ROBERTS, MANAGER HOWARD MARTEN FLUID TECHNOLOGIES

Powerblanket drum and bucket heaters are a drastic improvement over the original band heaters we used to offer. With Powerblanket products we no longer have to worry about overheating or unpredictable thermostats. The Powerblanket Technology provides uniform heat throughout the entire barrel of product which is paramount to what we do. Powerblanket products are very durable, look great, and are the only heaters we will offer our customers.

Products Summary

We have been supplying heat exchangers for over 25 years and have built up a product portfolio to suit a wide range of applications across the industrial, food & dairy, brewing, refrigeration, HVAC & marine sectors.

Our team of engineers can advise you on the best product for your application.

Gasketed Plate Heat Exchangers

- UK manufacture with fast delivery times
- Plates: 304/316 Stainless Steel / Titanium / Alloy C276
- Gaskets: Nitrile / EPDM / Viton®
- Connections: BSP threaded / Flanged / Hygienic
- Frames: Painted Steel / Stainless Steel
- Accessories include Insulation Jackets, Drip Trays, Isolation Valves c/w Internal Filter, Mounting Feet



Brazed Plate Heat Exchangers

- Available from stock for immediate delivery
- WRAS Approved
- AISI 316 stainless steel plates with copper brazing
- Nickel brazing available for specialist applications
- Accessories include Insulation Jackets, Isolation Valves c/w Internal Filter, Mounting Feet, Connection Adaptors



Packaged Plate Heat Exchangers

- Instantaneous duties from 50 to 2000 kW
- Buffer Vessel options for semi-instantaneous applications either skid mounted or supplied separately
- WRAS Approved
- 3 or 4 port control valve options
- Single or Twin Head Primary Pumps
- Control Panel with industrial quality temperature controller
- BMS connectivity options
- Secondary pump option
- Many other bespoke options to meet customer requirements



Corrugated Tube-in-Tube Exchangers

- All stainless steel construction
- Mono-tube in tube design— Ideal for fluids containing large particles or fibres. Typical examples—Sewage sludge heating & effluent water cooling
- Multi-tube in shell design—Ideal for steam heating of fluids, slurry heating, high temperature & pressure applications
- Corrugated tubes give a higher thermal performance
- Construction can be fully welded or with removeable tubes for easy maintenance



HVAC - DUCT HEATER



Circular



Rectangular



Custom



AIR FLOW CONTROLLERS - VAV / CAV



BR
P73



URSIL
P73



BS
P73



USSIL
P73



BB
P73



RDR
P74



VRK232
P74



VRK233
P74



PR
P74



PS
P74

DAMPERS



KA100
P76



DT004
P76



V-750
P76

HEAT RECOVERY





Thermo Controls

AUTHORIZED DISTRIBUTOR

Wili Co., LTD



Thermo Controls

AUTHORIZED DISTRIBUTOR

Wili co., LTD

