

DEKORON[®] UNITHERM[™]

RELIABILITY[®] SERIES[®]

NO MATTER WHAT YOUR APPLICATION; MERCURY, HCL, FLARE GAS OR HIGH TEMPERATURE PROCESS ANALYSIS THE **RELIABILITY SERIES[®]** CAN HANDLE THE JOB

THE **RELIABILITY SERIES[®]** DIFFERENCE

STATE OF THE ART

PROPRIETARY HEATER DESIGN

- ◆ UNLIKE CPD NO NODES TO FAIL
- ◆ UNLIKE SELF-LIMITING NO TEMPERATURE CYCLING
- ◆ 360° UNIFORM HEAT ENVELOPE NO GAPPING OR COLD SPOTS
- ◆ FIELD TRIMMABLE BY UP TO 50% OF LAST HEATER CERCUIT

SPLIT LINE CONFIGURATION

PLUG-N-PLAY TERMINATIONS

THE EVOLUSION OF HIGH TEMPERATURE SAMPLE LINES



DEKORON[®]
Unitherm[™]
Tubing Bundle Experts Since 1962

1531 Commerce Creek Boulevard • Cape Coral, Florida 33909

Call Toll Free (800) 633-5015 • Telephone (239) 995-8111 • Fax (239) 995-8027

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STANDARD HEATED CORE DESIGNS

DESIGN ⁽¹⁾	NUMBER OF TUBES	WATT DENSITY ⁽²⁾	VOLTAGE
4R62-1	(1) 1/4" x .040 PFA (1) 3/8" x .062 PFA	17-24 Watts/Ft	120 VAC or 208 VAC
4R62-2	(2) 3/8" x .062" PFA	17-24 Watts/Ft	120 VAC or 208 VAC
4R62-3	(3) 3/8" x .062" PFA	17-24 Watts/Ft	120 VAC or 208 VAC
4R62-4	(1) 1/4" x .040 PFA (2) 3/8" x .062 PFA	17-24 Watts/Ft	120 VAC or 208 VAC

(1) FULL PART NUMBER WILL INCLUDE TUBING CONSTRUCTION, NUMBER OF HEAT ZONES, AND SENSOR TYPE, AND HAVE A DESIGN LOG NUMBER SHOWING THE DETAILS OF THE DESIGN. EXAMPLE 4R62-1A113-18000 WOULD INDICATE THE 4R62-1 DESIGN SHOWN ABOVE WIRED FOR OPERATION AT 120 VAC WITH A SINGLE HEAT ZONE (100 FEET OR LESS) AND A SINGLE 3-WIRE PT100 RTD SENSOR.

(2) STANDARD DESIGN FOR FULL HEAT ZONES IS 18 WATTS/FT FOR BUNDLES OPERATING AT 120 VAC, AND 20 WATTS/FT FOR BUNDLES OPERATING AT 208 VAC. HEAT OUPUT CHANGES WHEN BUNDLE IS TRIMMED BACK SHORTER THAN A FULL HEAT ZONE, BUT STAYS WITHIN THE STATED RANGE.

RELIABILITY SERIES® DESIGN

- SERIES RESISTANCE HEATING WIRES
 - MOST ROBUST HEATING SYSTEM AVAILABLE
 - NO INRUSH CURRENT ISSUES, NO LOST HEATING ZONES
- BRAIDED HEATER CONSTRUCTION
 - 360° HEATING ENVELOPE
 - HEATER DOES NOT PULL AWAY IN BEND
- FIELD TRIMMABLE DESIGN
 - FINISHED BUNDLE PLUG-N-PLAY FROM FACTORY
 - CAN BE TRIMMED AFTER INSTALLATION

PHYSICAL PROPERTIES

DESIGN	OD	BEND RADIUS	WEIGHT
4262-1	1.80" (45.7 mm)	10" (25.4 cm)	0.75 lbs/ft (1.12 kg/m)
4262-2	1.90" (48.3 mm)	11" (27.9 cm)	0.85 lbs/ft (1.27 kg/m)
4262-3	2.00" (50.8 mm)	12" (30.5 cm)	0.90 lbs/ft (1.34 kg/m)
4262-4	1.95 (49.5 mm)	12" (30.5 cm)	0.87 lbs/ft (1.30 kg/m)