

IROSS™ Pipe-End Heating Units

Flexible, 50/60 Hz heating solutions for tube & pipe



IROSS™ Pipe-End Heating Units are designed specifically for heating a variety of tubular products. These systems utilize patented fluxmanager technology that yields superior temperature uniformity compared to conventional medium frequency designs.

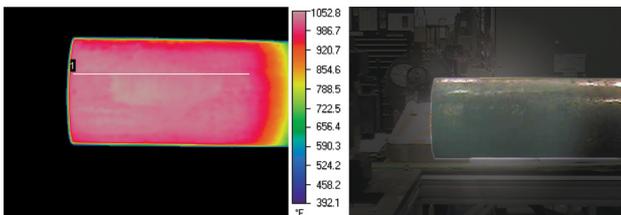
- Stress Relieving • Preheat for welding • Hardening • Annealing
- Normalizing • Removal and cure of coatings
- Friction weld & Swage Preheat

Fluxmanager Features / Benefits:

- Deep and uniform temperature distribution, ID/OD, laterally, and longitudinally along extended lengths of pipe ends, even when pipes are positioned non-concentric
- Flexible: 5 coil diameters cover all OCTG pipe sizes
- Modular: Robust and unitized system
- Infrared and thermal image monitoring options
- Data logging capability for traceability
- Shaped flux concentrator for increased efficiency
- Deionized water NOT required
- Versatile: 50 or 60Hz / 350 - 600VAC input



Five standard coil diameters covering all OCTG pipe sizes



Thermal image (left), shows advanced temperature control for AISI 8630 Modified.

- 7⁵/₈" (194 mm) dia. - 3/4" (19 mm) wall
- Heat length 12" (381 mm)

Sample only: Each application is validated separately due to different thickness, length and temperature requirements.

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IROSS™ Pipe-End Heating Units: Specifications

Standard Power Ratings (Other sizes available upon request)	167 & 192 kVa, 50/60 Hz, Single Phase	
Cooling System	Standard water-to-water recirculation system	
Standard Coil Assembly Pipe Size (Other sizes available upon request)	#562	2.375" - 5.625" (61 - 143mm)
	# 762	5.625" - 7.625" (61 - 193 mm)
	# 1062	7.625" - 10.625" (193 - 269 mm)
	# 1462	10.625" - 14.625" (269 - 371 mm)
	# 2062	14.625" - 20.625" (371 - 473 mm)
Shipping Weight	Transformer / Controls: 2500 lbs. (1133 kg) Coil Table: 1000 lbs. (454 kg)	
Transformer / Controls / Dimensions (Width x Length x Height)	167kVA: 77" (1856mm) x 49" (1245mm) x 74" (1880mm)	
	192kVA: 85" (2159mm) x 44" (1117mm) x 72" (1828mm)	
Coil w/ Hydraulic Lift Table Dimensions (Width x Length x Height)	68" (1727mm) x 48" (1219mm) x 36" (914mm) (Maximum raised height to centerline of coil: 68" (1727 mm))	
Plant Water Requirements	10 gpm @ 50 psi @ 110°F max. (45 lpm @ 3 bar @ 43°C max.) To extract-150,000 Btu/hr	
Plant Air Requirements	10 CFM @ 60PSI (for optional pneumatic actuated cart)	
Input Voltage (Standard)	440, {460/480} volts.	
Input Voltage Options (International)	380, 400, 575 volts (Specify in advance)	
Safety Features	Extruded aluminium and expanded metal trim	
Options / Accessories	Infrared temperature control, Data Logging Recipe Management, Pneumatic Coil Shuttle	
*Specifications are subject to change without notice.		



For further information on the iRoss™ Pipe-End Heating Units please contact:

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