

10 Benefits of Dalton Electric Heating Company Watt-Flex Split Sheath Cartridge Heaters

Maximize Efficiency and Performance:

1. **Uniform Temperature Profile:** Continuous coil construction eliminates cold spots and ensures consistent heat distribution, leading to improved process control and product quality.
2. **Superior Heat Transfer:** The unique split-sheath design expands to create optimal contact with the surrounding bore, leading to dramatically improved heat transfer compared to conventional cartridge heaters.
3. **Last Longer:** Cooler operation and uniform temperature distribution minimize internal stress, resulting in extended heater life and reduced maintenance costs.

Simplify Installation and Maintenance:

4. **Ease of Removability:** The split sheath contracts upon de-energization, preventing bore seizure and allowing for effortless heater removal, even after extended use.
5. **No Bore Size Restrictions:** Unlike conventional heaters, Watt-Flex can be used in slightly oversized bores without compromising performance, simplifying installation, and reducing setup costs.

Boost Versatility and Functionality:

6. **Distributed Wattage:** Custom wattage distribution options allow for targeted heating and efficient energy utilization in specific areas of the bore.
7. **Higher Watt Densities and Operating Temperatures:** Watt-Flex can handle higher wattages and temperatures than conventional heaters, opening new application possibilities.
8. **Hot-Tip or Cold-Tip Option:** Choose from heated or cool tip configurations to meet your specific process requirements and maximize flexibility.

Additional Advantages:

9. **External Thermocouple:** Optional integrated external thermocouple for precise temperature monitoring and control, enhancing process accuracy and safety.
10. **Engineered Solutions:** Dalton Electric offers custom design and modification services to adapt Watt-Flex heaters to your unique needs.

Summary:

Watt-Flex split sheath cartridge heaters from Dalton Electric Heating Company offer a combination of superior performance, ease of use, and advanced functionality, making them the ideal choice for a wide range of industrial heating applications.

Dalton Electric Process heat precisely delivered.

For more information and a quote please contact us at
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