

ULTRADRUM® & FIREDRUM® BARREL HEATERS

ULTRADRUM and **FIREDRUM** heaters are used to pre-heat liquids in drums or pails to make them less viscous and more flowable. They are suitable heat sources when heat is required to handle liquids during pouring, dipping, coating or mixing operations. **ULTRADRUM** and **FIREDRUM** heaters are made to brace a drum externally and they are easily installed and removed when needed.

- **ULTRADRUM** Mica insulated heaters
- **FIREDRUM** Silicone rubber heaters
- Installation & maintenance

ULTRADRUM® & FIREDRUM® BARREL HEATERS

ULTRADRUM

- Stainless steel case
- Adjustable heat
- Easy installation and removal
- Suitable for standard drum sizes
- 6 ft power cord and plug
- CSA certified

ULTRADRUMs have a rugged construction, made to withstand the harsh industrial environment. They are available in two styles. The CX model is a one piece construction heater that comes with a spring loaded handle and a snap action bi-metal temperature controller (220°F). The DX model is a two piece construction heater that has a latch and trunion fastener with a bulb and capillary thermostat (250° F).



MODEL	SIZE	VOLTS	WATTS	DIAMETER	WIDTH
CX45	45 Imperial Gallons	120 or 240	1900 or 3000	22 1/2"	5"
DX45	45 Imperial Gallons	120 or 240	1900 or 3000	22 1/2"	5"
CX25	25 Imperial Gallons	120 or 240	1600 or 2500	18"	5"
DX25	25 Imperial Gallons	120 or 240	1600 or 2500	18"	5"
CX5	5 Imperial Gallons	120 or 240	1400	11 1/2"	5"
DX5	5 Imperial Gallons	120 or 240	1400	11 1/2"	5"



HDX



Latch & trunion



GCX



Spring loaded

ULTRADRUM® & FIREDRUM® BARREL HEATERS

FIREDRUM

- Silicone rubber shell
- Moisture and chemical resistant
- Electrically grounded
- Durable
- Installed and removed easily
- Can be cleaned
- CSA certified

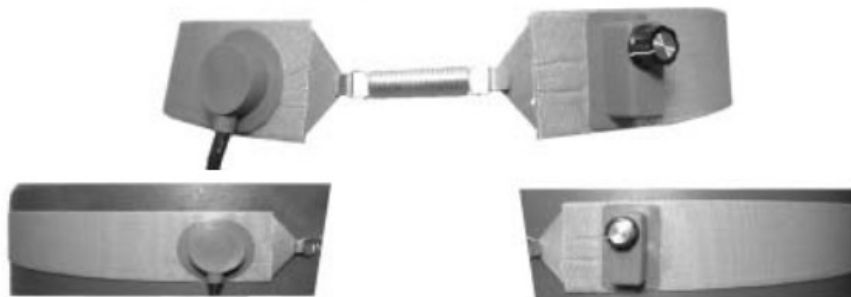
FIREDRUM heaters are made of layers of fiberglass reinforced silicone rubber sheets. When these sheets are vulcanized and bonded under heat and pressure, they form a material that can withstand industrial rough usage, and is highly flexible, durable and tough. Prior to vulcanization, the electrical resistance wire web, and its protective metallic grid (which acts as an electrical ground) are carefully placed between the silicone layers.

FIREDRUM heaters are resistant to most chemicals, fungus and moisture, and can be easily cleaned. The temperature is controlled by a B-200 bimetal thermostat (400° F).



SIZE	VOLTS	WATTS	LENGTH	DIAMETER	WIDTH
55 gallons	120 or 240	1500	64"	22 1/2"	4"
55 gallons	120 or 240	1000	64"	22 1/2"	3"
30 gallons	120 or 240	750	54"	18"	3"
15 gallons	120 or 240	500	40"	13 1/2"	3"
5 gallons	120 or 240	300	31"	11 1/2"	3"

Spring loaded fasteners



Power cable connection

B-200 Thermostat



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ULTRADRUM & FIREDRUM Installation and maintenance

INSTALLATION

Since heat has the tendency to move upwards in liquids, drum heaters should be installed close to the bottom of a vertical drum. Horizontal vessels should have their drum heaters installed such that the terminal box is positioned on the side. This will protect the box from overheating and maintain accessibility to the controls. The HDX model has a quick disconnect latch and trunion fastener, while the GCX model has spring loaded handles that have to be stretched to slide the heater to its proper position on the drum. The **FIREDRUM** is very flexible and will easily adhere to the drum surface. However, when a **ULTRADRUM** is used, it is recommended to tap gently on both its rims to ensure tightness and good heat transfer.

CONTROL

ULTRADRUMs come with temperature controllers. When the pilot lamp is on, the heater is active. HDX models have bulb and capillary thermostats (250° F). GCX models have snap action bimetal temperature controllers (220° F). After an initial trial these controllers have to be set in proportion to the maximum settings and required temperature. **FIREDRUMs** come with B-200 bimetal thermostats (400° F).

ELECTRICAL RATING

ULTRADRUMs and **FIREDRUMs** are made for 120V or 240V power supplies. Appropriate power cords and plugs are supplied for each voltage and wattage. The power supply should be rated to handle the amperage drawn by the heater. Different liquids absorb heat at different rates so the wattage of an **ULTRADRUM** should be selected accordingly.

MAINTENANCE

Since the **ULTRADRUM** is not a sealed product, it should be used indoors and kept away from moisture and contamination. The **FIREDRUM** is moisture and chemical proof, but not waterproof. **FIREDRUMs** should always be used indoors since water can leak into their thermostat box. In general, **ULTRADRUMs** and **FIREDRUMs** are maintenance free. A periodic check to ensure that they are securely fastened to the drum is recommended. The power cord is rated to withstand 220° F and should never come in contact with the heater.

WARNING

ULTRADRUMs and **FIREDRUMs** should not be used on pressure tight containers, Containers with explosive materials, or in explosive environments.