

NPH

National Plastic Heater

Call Toll Free 1.877.674.9744

MEGADRUM® & FLEXIDRUM® BARREL HEATERS

MEGADRUM and **FLEXIDRUM**

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. **MEGADRUM** and **FLEXIDRUM** heaters are made to brace a drum externally and they are easily installed and removed when needed.



- **MEGADRUM**
Mica insulated heaters
- **FLEXIDRUM**
Silicone rubber heaters
- **Installation & maintenance**

MEGADRUM & FLEXIDRUM BARREL HEATERS

MEGADRUM

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

MEGADRUMs have a rugged construction, made to withstand the harsh industrial environment. They are available in two styles. The GCX 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 HDX 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
GCX45	45 Imperial Gallons	120 or 240	1900 or 3000	22 1/2"	5"
HDX45	45 Imperial Gallons	120 or 240	1900 or 3000	22 1/2"	5"
GCX25	25 Imperial Gallons	120 or 240	1600 or 2500	18"	5"
HDX25	25 Imperial Gallons	120 or 240	1600 or 2500	18"	5"
GCX5	5 Imperial Gallons	120 or 240	1400	11 1/2"	5"
HDX5	5 Imperial Gallons	120 or 240	1400	11 1/2"	5"

*Custom made wattage, voltage, diameter or width available



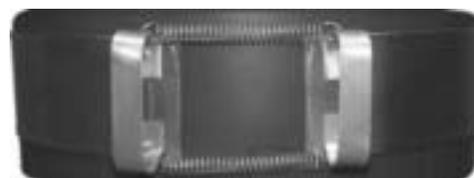
HDX



Latch & trunion



GCX



Spring loaded

MEGADRUM & FLEXIDRUM BARREL HEATERS

FLEXIDRUM

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

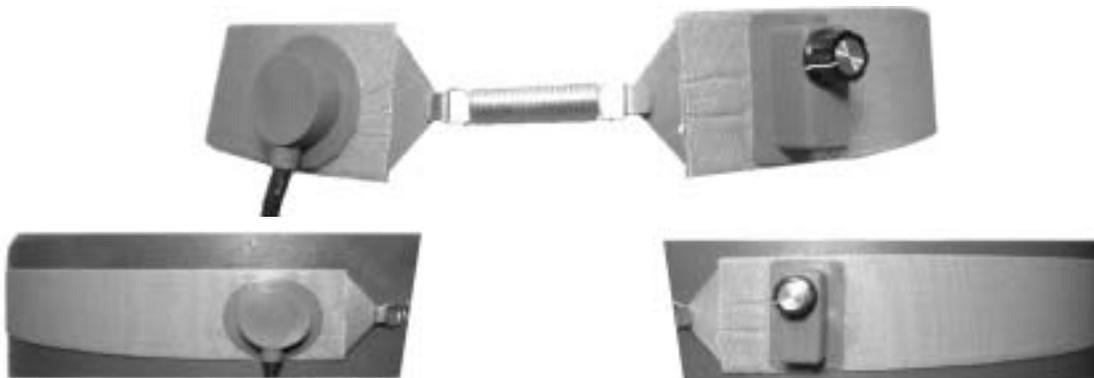
FLEXIDRUM heaters are made of layers of fiberglass reinforced silicone rubber sheets. When these sheets are vulcanized and bonded under heat and pressure, they form a material that can withstand industrial rough usage, and is highly flexible, durable and tough. Prior to vulcanization, the electrical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

FLEXIDRUM 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

SILFLEX SILICONE RUBBER HEATERS

Attachment methods

RTV adhesives

In the field, a strong bonding to application surfaces could be achieved by using room temperature adhesive pastes. Red colored RTV 106 and transparent RTV 116 are the two types of adhesives available. Both these RTV materials are adequate for temperatures up to 500° F.

Pressure sensitive adhesive

SILFLEX heaters could be made with a thin layer of high temperature (300° F) adhesive backing. This adhesive, which can easily bond to practically any surface, is supplied with a protective cover, which can be easily removed before applying the heater to any surface. The watt density of a heater should not pass 5 watt/in² when a PSA is used.

Factory vulcanization

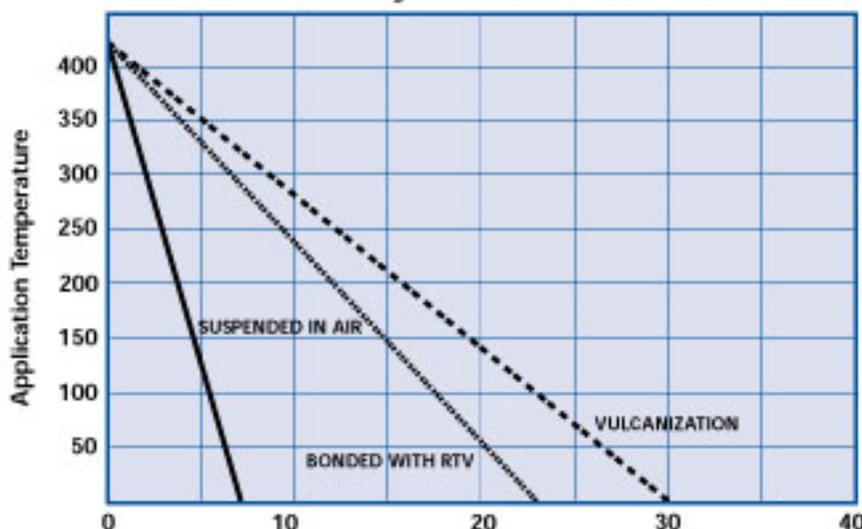
This is the most efficient method to bond a heater to a surface. Using high temperature and pressure, **SILFLEX** heaters can be vulcanized to a surface. However, bonding through this method can be carried out only in the factory.

Mechanical fasteners

When a **SILFLEX** heater is wrapped around an application, the ends of the heater can be fastened by attachments used on fabrics. Eyelets with lacing cords, Velcro hook and loop, metallic fasteners with springs, and independent straps are the most commonly used fasteners.



Watt density vs attachment method



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