



BUCAN ELECTRIC HEATING DEVICES INC.

## MEGADRUM & FLEXIDRUM BARREL HEATERS

### Applications:

- *PREHEATING*
- *REDUCING VISCOSITY*
- *MIXING LIQUIDS*
- *DIPPING OR POURING*
- *TEMPERATURE CONTROL*
- *FREEZE PROTECTION*



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 heaters are metal sheathed, mica insulated heaters made for tough industrial applications. FLEXIDRUM heaters are fiberglass reinforced multilayer silicone rubber heaters that are flexible but rugged and durable. MEGADRUM and FLEXIDRUM heaters provide controlled heat through special thermostats.

# BUKAN 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 harsh industrial environments. They are available in two styles. The GCX model comes with spring loaded handles and a snap-action bi-metal adjustable thermostat (140°-200°F). A red pilot light will indicate that the heater is energized. The HBX model has a latch and trunion fastener, an insulating jacket, and a bulb and capillary adjustable thermostat (50°-250°F or 77°- 400°F). The control box has two pilot lights. The amber light indicates that the heater is plugged to an electrical source. The red light indicates that the heater is energized.

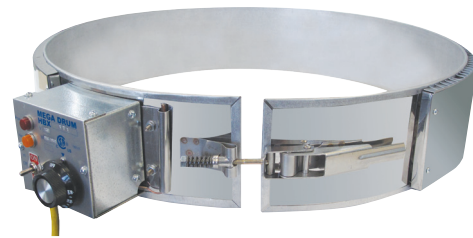


SIZE	VOLT	WATT	DIAMETER	WIDTH
55 gallons	120	1900	22.5"	5"
55 gallons	240	3000	22.5"	5"
30 gallons	120	1600	18 "	5"
30 gallons	240	2500	18 "	5"
5 gallons	120	1400	11.5"	5"
5 gallons	240	1400	11.5"	5"

\*Custom made voltage, wattage, diameter or width available



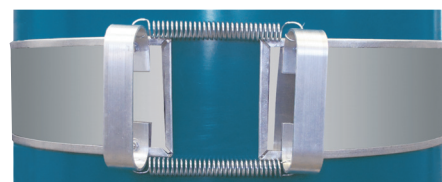
HBX



Latch & trunion



GCX



Spring loaded

# BUKAN MEGADRUM & FLEXIDRUM BARREL HEATERS

## FLEXIDRUM

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

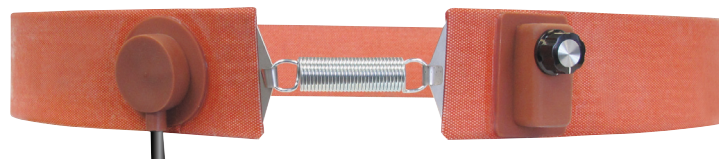
FLEXIDRUM heaters are made of layers of fiberglass reinforced silicone rubber sheets. When these sheets are vulcanized and bonded under heat and pressure, they form a material that can withstand industrial rough usage, and is highly flexible, durable and tough. Prior to vulcanization, the electrical 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 adjustable thermostat (75°-205°F).

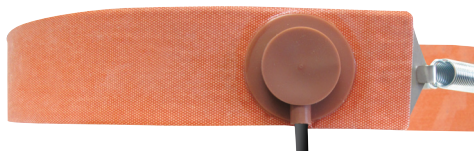


SIZE	VOLT	WATT	LENGTH	DIAMETER	WIDTH
55 gallons	120 or 240	1500	64"	22 1/2"	4.75"
55 gallons	120 or 240	1000	64"	22 1/2"	3.25"
30 gallons	120 or 240	750	54"	18"	3"
15 gallons	120 or 240	500	40"	13 1/2"	3"
5 gallons	120 or 240	300	31"	11 1/2"	3"

\*Custom made voltage, wattage, diameter or width available



Spring loaded fasteners



Power cable connection



B-200 Thermostat

# BUCAN MEGADRUM & FLEXIDRUM BARREL HEATERS

## Installation and Operating Instructions

- Since heat has the tendency to move upwards in liquids, drum heaters should be installed close to the bottom of a drum.
- Drum heaters should not be installed on a deformed or damaged part of a drum.
- To insure that the surface to surface contact between a Drum heater and a barrel is tight, it is recommended to tap gently with a plastic mallet on both rims of the heater in the case of GCX models, and tighten the spring nuts of the latch and trunion fastener in the case of HBX models. FLEXIDRUM heaters however, are very flexible and will easily adhere to a drum surface.
- FLEXIDRUM heaters resist moisture, fungus and ozone, but they are not waterproof. Drum heaters in general are made for indoor use and should not be exposed to water and contamination.
- To avoid damaging the internal resistance wires, FLEXIDRUM heaters should not be bent sharply.
- The level of the liquid in a barrel should never be lower than the highest edge of a drum heater.
- In order to insure homogeneity in heat distribution, the content of a barrel should be mixed, if possible, during the heating cycle.
- The power cord is rated to withstand 220°F and should never come in contact with the drum, the heated part of the drum heater, or other drum heaters used on the same drum.
- Different materials exhibit different heating patterns; therefore, for any material that is heated for the first time it is recommended that its temperature get monitored by a separate thermometer and the position of the thermostat setting recorded for future reference.
- Barrels that are heated with drum heaters should never be left unattended.
- To avoid pressure build-up, barrels should be vented when heated.

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## Warning

- Electric heaters present a potential hazard for electric shock or fire; therefore, they should be installed by certified electricians according to local and national electric codes.
- MEGADRUM and FLEXIDRUM heaters should not be used to heat containers that contain hazardous, flammable or explosive materials.
- MEGADRUM and FLEXIDRUM heaters should not be used in an environment where hazardous, flammable or explosive materials are present.
- MEGADRUM and FLEXIDRUM heaters are not intended for all kinds of drum heating applications. The suitability of their watt-density, their temperature controllers, and the need of additional safety devices should be determined by an application specialist.
- The temperature controlling and/or sensing devices that are installed on drum heaters are intended to control the temperature only, and are not fail-safe devices. It is highly recommended to back them up by adequate high limit safety devices.
- To avoid explosions, barrels should be vented when heated.
- Drum heaters are made for indoor use only and they should not be exposed to water and contamination.

# BUKAN MEGADRUM & FLEXIDRUM BARREL HEATERS

## STANDARD MEGADRUM HBX HEATERS

CATALOG NUMBER	SIZE	VOLT	WATT	DIAMETER	WIDTH	ADJUSTABLE THERMOSTAT
55 HBX 1T1	55 gallons	120	1900	22.5"	5"	50° - 250 °F
55 HBX 1T2	55 gallons	120	1900	22.5"	5"	77° - 400 °F
55 HBX 2T1	55 gallons	240	3000	22.5"	5"	50° - 250 °F
55 HBX 2T2	55 gallons	240	3000	22.5"	5"	77° - 400 °F
30 HBX 1T1	30 gallons	120	1600	18 "	5"	50° - 250 °F
30 HBX 1T2	30 gallons	120	1600	18 "	5"	77° - 400 °F
30 HBX 2T1	30 gallons	240	2500	18 "	5"	50° - 250 °F
30 HBX 2T2	30 gallons	240	2500	18 "	5"	77° - 400 °F
5 HBX 1T1	5 gallons	120	1400	11.5"	5"	50° - 250 °F
5 HBX 1T2	5 gallons	120	1400	11.5"	5"	77° - 400 °F
5 HBX 2T1	5 gallons	240	1400	11.5"	5"	50° - 250 °F
5 HBX 2T2	5 gallons	240	1400	11.5"	5"	77° - 400 °F

## STANDARD MEGADRUM GCX HEATERS

CATALOG NUMBER	SIZE	VOLT	WATT	DIAMETER	WIDTH	ADJUSTABLE THERMOSTAT
55 GCX 1	55 gallons	120	1900	22.5"	5"	140° - 200 °F
55 GCX 2	55 gallons	240	3000	22.5"	5"	140° - 200 °F
30 GCX 1	30 gallons	120	1600	18"	5"	140° - 200 °F
30 GCX 2	30 gallons	240	2500	18"	5"	140° - 200 °F
5 GCX 1	5 gallons	120	1400	11.5"	5"	140° - 200 °F
5 GCX 2	5 gallons	240	1400	11.5"	5"	140° - 200 °F

## STANDARD FLEXIDRUM HEATERS

CATALOG NUMBER	SIZE	VOLT	WATT	LENGTH	DIAMETER	WIDTH	ADJUSTABLE THERMOSTAT
55 SF 12	55 gallons	120	1000	64"	22.5"	3.25"	75° - 205 °F
55 SF 13	55 gallons	120	1500	64"	22.5"	4.75"	75° - 205 °F
55 SF 22	55 gallons	240	1000	64"	22.5"	3.25"	75° - 205 °F
55 SF 23	55 gallons	240	1500	64"	22.5"	4.75"	75° - 205 °F
30 SF 11	30 gallons	120	750	54"	18"	3"	75° - 205 °F
30 SF 21	30 gallons	240	750	54"	18"	3"	75° - 205 °F
15 SF 11	15 gallons	120	500	40"	13.5"	3"	75° - 205 °F
15 SF 21	15 gallons	240	500	40"	13.5"	3"	75° - 205 °F
5 SF 11	5 gallons	120	300	31"	11.5"	3"	75° - 205 °F
5 SF 21	5 gallons	240	300	31"	11.5"	3"	75° - 205 °F

Custom made Megadrums & Flexidrum heaters with different voltages, wattages, diameters or widths are available