

# SARAPE

## 150 lb. & 1 TON CYLINDER HEATING BLANKET SYSTEMS



### CYLINDER HEATING BLANKET SYSTEMS

The **SARAPE** heating blankets are designed and used to allow normal permissible withdraw rates from 150 lb. and ton cylinders as ambient temperature drops. **SARAPE** blankets are not designed to overfeed gas or eliminate evaporator systems. They are industrial grade removable heat blankets fabricated with an extreme wear resistant heavy duty fiberglass woven mesh non-metallic outer shell coated with Teflon and silicon for outdoor waterproof service in corrosive areas. They operate on 120 VAC power and have an FM approved bi-metallic element sensing direct cylinder temperature. This direct sensing safety element prevents the cylinder temperature from rising above 105 degrees (F).

No exposed metal parts such as clips, pins, buckles or chain loop lace are used in order to avoid leaking, fraying or snagging.

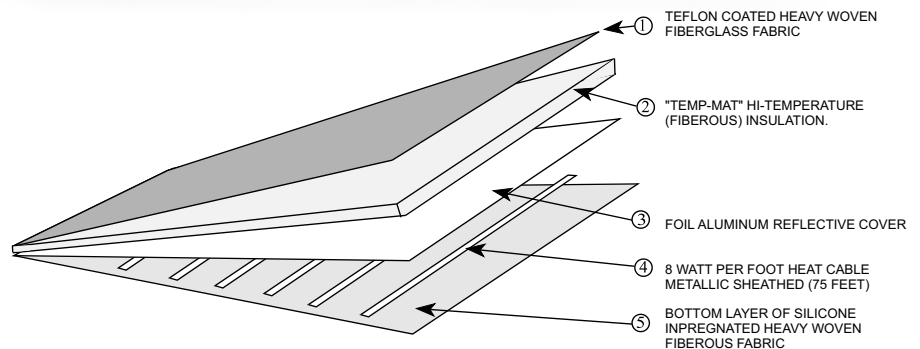
The **SARAPE** blankets are not rated for hazardous or explosive areas.

The layered heat blanket is fabricated with a bottom shield of silicon impregnated heavy woven fiberglass fabric that is extremely wear resistant. Then a single run of FM and CSA approved sheathed constant wattage heating cable is laced and stitched in place.

The next layer is a reflective cover to radiate heat throughout the blanket. Over the reflective cover is "TEMP-MAT" hi-temperature (fibrous) insulation. The final top cover is Teflon coated heavy woven fiberglass fabric. The assembly is stitched and cross-stitched complete with Velcro tie-down straps to avoid over tightening the blanket. Handy grab straps are strategically stitched in place for operator ease in lifting blanket and avoiding "folding" of inner heating cable. The temperature rise within the lower blanket layer containing the heating cable is protected with a FM approved bi-metallic element sensing direct cylinder temperature. The cylinder sensing element is set at 105 degree (F) shutoff, below maximum permissible gas cylinder temperature. The external cord is connected to a 120 VAC grounded receptacle feeding from a circuit breaker having a 30 mA AC EPD trip ground fault using a 15 AMP safety circuit breaker for additional operator safety.

The **SARAPE** blankets are optionally supplied with a **SAVVY** control panel for automatic blanket control as ambient temperature drops and rises. The **SAVVY** controller automatically turns the **SARAPE** blankets on as the ambient temperature drops below 60 degree (F) and turns the blankets off as ambient temperature rises above 70 degree (F). The panel gives lighted indication of supply voltage power and blanket on status. The HOA selector switch allows automatic (ambient temperature) or hand control. The panel is NEMA 4X rated non-metallic FRP for outdoor service in corrosive areas. Panels are available for two or four cylinder applications. Other options include adjustable thermostat controls. Consult factory for option details.

The **SARAPE** blankets are proudly made in the U.S.A.



THE MASTRRR COMPANY

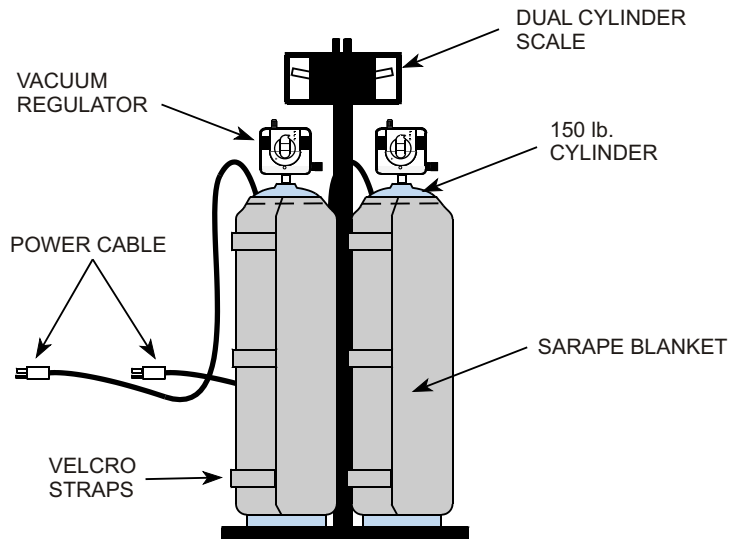
www.gasmastrrr.com mastrrr@airmail.net  
1-800-299-6836 1-800-226-2659 Fax



# SARAPE 150 lb. CYLINDER HEATING BLANKET SYSTEMS

## SPECIFICATIONS:

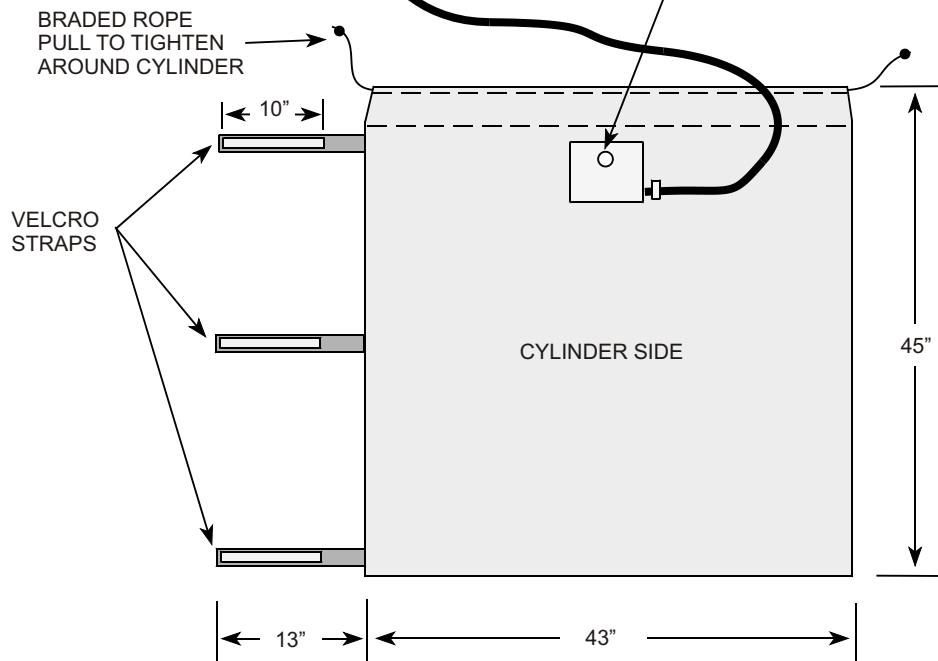
<b>Service Voltage:</b>	120 VAC
<b>Current Draw:</b>	2 amps
<b>Power Cord:</b>	10' long, 16 Gauge 3 conductor SJTW
<b>Circuit Breaker Size:</b>	1-2 Blankets use 15A 1-5 Blankets use 20A
<b>Safety Element Range:</b>	On - 90 degree (F) Off - 105 degree (F)
<b>Blanket Size:</b>	43" X 45" X 2"
<b>Weight:</b>	20 lb.
<b>Area Classification:</b>	Ordinary Non-hazardous Indoor/Outdoor Direct Exposure



## 150 lb. BLANKET DIMENSIONS

POWER CABLE (10' LENGTH)  
3 CONDUCTOR 14 GAUGE  
POWER CONNECTOR 15 AMP 120 VAC  
USE WITH GROUNDED RECEPTACLE

BI-METALLIC SAFETY ELEMENT RANGE 90-105 DEGREES (F)  
(MEETS NEC CODE ART.427:22) UL LISTED, 30 AMP

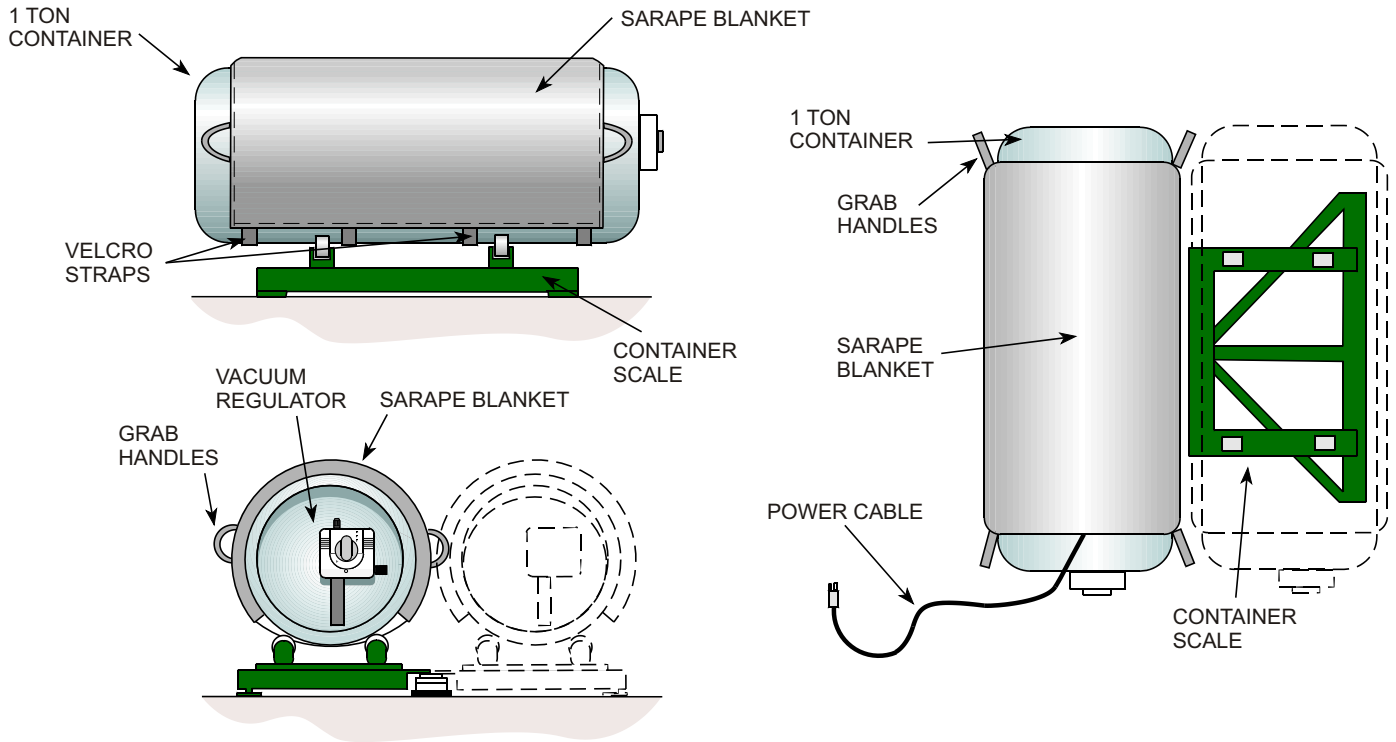


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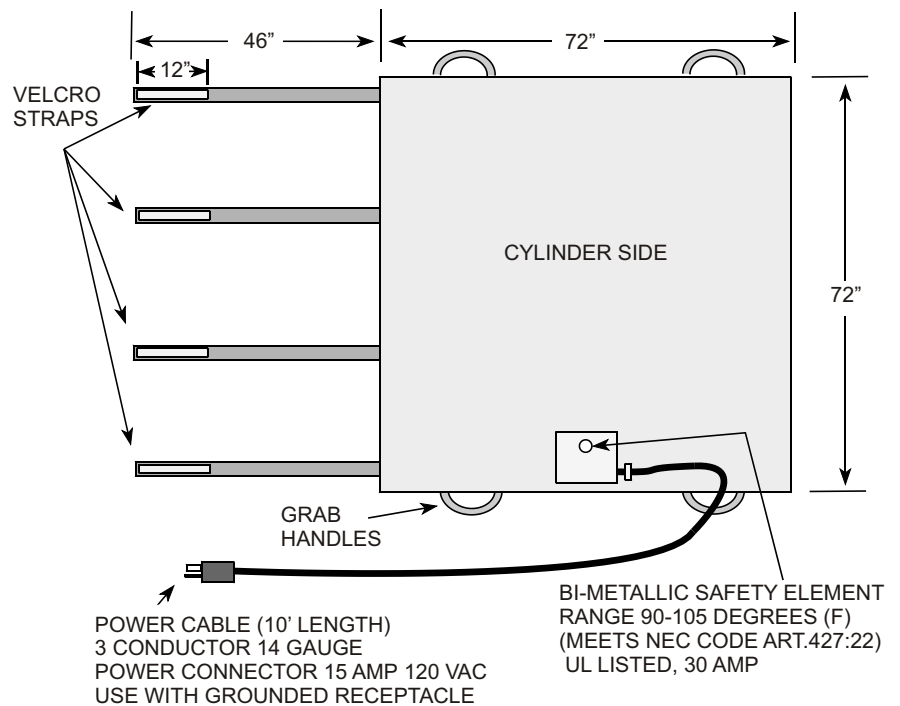
# SARAPE 1 TON CYLINDER HEATING BLANKET SYSTEMS



## SPECIFICATIONS:

<b>Service Voltage:</b>	120 VAC
<b>Current Draw:</b>	5 amps
<b>Power Cord:</b>	10' long, 16 Gauge 3 conductor SJTW
<b>Circuit Breaker Size:</b>	1-2 Blankets use 15A 1-5 Blankets use 30A
<b>Safety Element Range:</b>	On - 90 degree (F) Off - 105 degree (F)
<b>Blanket Size:</b>	72" X 72" X 2"
<b>Weight:</b>	52 lb.
<b>Area Classification:</b>	Ordinary Non-hazardous Indoor/Outdoor Direct Exposure

## 1 TON BLANKET DIMENSIONS



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# SARAPE 150 lb. & 1 TON CYLINDER HEATING BLANKET CONTROL PANEL



## CYLINDER HEATING BLANKET CONTROL PANEL

The SARAPE control panel is designed for automatic blanket control as ambient temperature drops and rises. The control panel automatically turns the SARAPE blankets on as the ambient temperature drops below 60 degree (F) and turns the blankets off as ambient temperature rises above 70 degree (F).

The panel gives lighted indication of supply voltage power and blanket on status. The HOA selector switch allows hand (direct control), off (all blankets off), and automatic (ambient temperature control). The panel is NEMA 4X rated non-metallic FRP for outdoor service in corrosive areas. Panels are available for two or four cylinder applications. Other options include adjustable thermostat controls. Consult factory for option details.

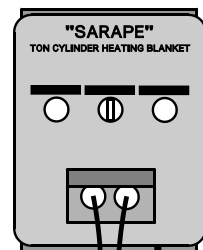
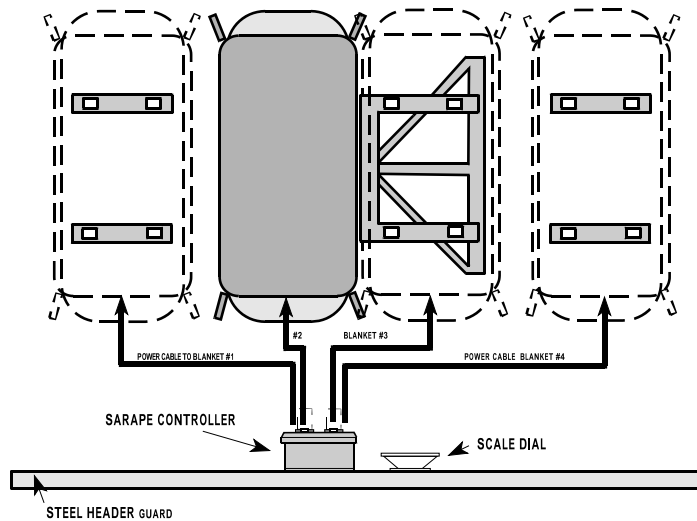
HOA CONTROL SWITCH  
 HAND (DIRECT CALL FOR SERVICE)  
 OFF (ALL BLANKETS OFF)  
 AUTO (CONTROLLED BY AMBIENT TEMPERATURE SENSOR)

INDICATION GREEN LAMP: AC POWER SUPPLY ON  
 INDICATION RED LAMP: HEATING BLANKETS ON

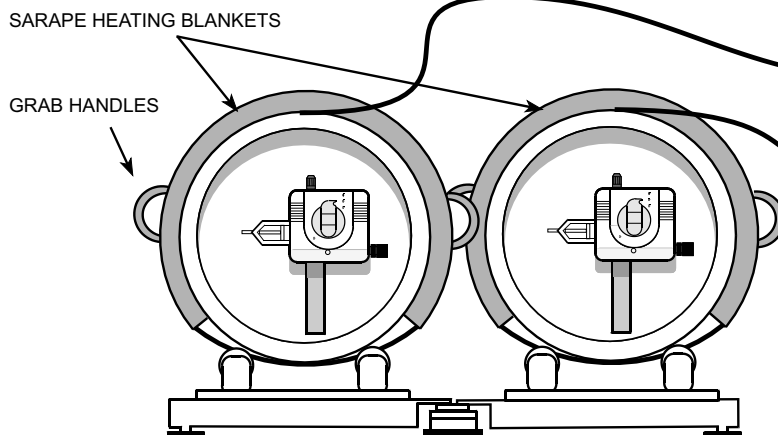
NON ADJUSTABLE AMBIENT TEMPERATURE RANGE ON/OFF OF SENSOR  
 BLANKETS ON: AMBIENT TEMPERATURE DROPS BELOW 60 ° F.  
 BLANKETS OFF: AMBIENT TEMPERATURE RISES ABOVE 70 ° F.  
 SENSOR LOCATED ON SIDE OF CONTROL PANEL.

DIRECT CYLINDER SENSING ELEMENTS:  
 BLANKETS ON: CYLINDER TEMPERATURE DROPS BELOW 90 ° F.  
 BLANKETS OFF: CYLINDER TEMPERATURE RISES ABOVE 105 ° F.

OPTIONAL BLANKET OVER HEAT OR FAULT INDICATION.



120 VAC POWER  
 CONNECT TO 30 AMP  
 SAFETY CIRCUIT BREAKER  
 WITH 30 mA AC EPD TRIP  
 GROUND FAULT



FRONT VIEW 1 TON CONTAINERS

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