



## FLUXWRAP

Flux wrap can chill materials in drums, totes, tanks and all manner of vessels even when a heat exchanger is not currently present. Fluxwraps allow chilling to be applied to many vessels that were previously not able to be chilled or in situations that previously were not financially feasible. Then simply change the temperature of the fluid, and you have an effective medium for heating. Fluxwrap is a versatile fluid temperature control solution.

GE found Powerblanket through a third party distributor to seek a cooling solution for a plant in Mexico. They had 55 gallon drums of varnish, epoxy, and resins and were losing up to eight barrels (each valued at \$5,000.00) each week. The ambient conditions of roughly 125°F caused the material in the drum to cure while still in the barrel. Powerblanket supplied six chillers and six wraps to stage on production line to eliminate loss.



### FEATURES

- Proprietary multi-channel fluid path allows maximum flow with minimal pressure
- Elastic strap design ensures good thermal conductivity between blanket and drum
- Wrap conforms to drum or tote to maintain thermal contact over uneven surfaces
- Lightweight compact design
- Full coverage cooling
- Comes standard with insulated wrap for thermal control and to reduce condensation



**FLUXWRAP**  
by North Slope Chillers

# fluxwrap

## SPECS

| Product Category | Model #     | Maximum Pressure Rating | Flow Rate     | Connection          | Max Temperature               | Cooling Fluid  | Approx Fluid Volume | Wrap Dimensions   | Min/Max Surface Temperature   |
|------------------|-------------|-------------------------|---------------|---------------------|-------------------------------|--|---------------------|---|-------------------------------|
| FLUXWRAPS        | PBICE05-FC  | 6 PSI @ inlet           | 4 GPM @ 5 PSI | 3/4" Barbed Fitting | 120°F (50°F Water/Glycol mix) | Water (if fluid temp is greater than 45F)<br>-OR-<br>Propylene Glycol / Water (50/50 max concentration)<br>-OR-<br>Ethylene Glycol / Water (50/50 max concentration) | 1/8 Gallon          | 38" x 8 1/4"  | -10°F/150°F<br>-23.3°C/65.5°C |
|                  | PBICE15-FC  |                         |               |                     |                               |  | 3/4 Gallon          | 47" x 22 3/4"   |                               |
|                  | PBICE30-FC  |                         |               |                     |                               |  | 5/8 Gallon          | 60" x 23 1/4"   |                               |
|                  | PBICE55-FC  |                         |               |                     |                               |  | 1 1/2 Gallon        | 76" x 30 1/4"   |                               |
|                  | PBICE275-FC |                         |               |                     |                               |  | 4 Gallons           | Panel a - 1x) 44" x 38 1/2"<br>Panel b - 2x) 45 3/4" x 38 1/2"<br>Panel c - 1x) 39" x 30 3/4" |                               |

READY TO SHIP



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### CONDENSATION WARNING

When running cold fluid through the wrap condensation can build up on the fluid paths. If condensation is a concern it is recommended that an insulated wrap be installed over the product. Powerblanket is not liable for damages due to condensation.

*\*Fluxwrap Insulated wrap comes standard to control condensation and improve efficiency.*

### WARNINGS AND SAFETY

- Never exceed the maximum pressure rating
- Do not puncture or cut the product
- Always secure barbed fittings with hose clamp to prevent the possibility of the hose coming off
- Never have hoses or tubing cross a walk way or other places where they will become a tripping hazard
- Only use acceptable fluids
- Only install on clean surfaces free of any sharp objects that could puncture the blanket
- Always have fluid flow from top to bottom
- Never exceed the temperature rating of the blanket
- Never connect a smaller hose on the exit than what the blanket is designed for