

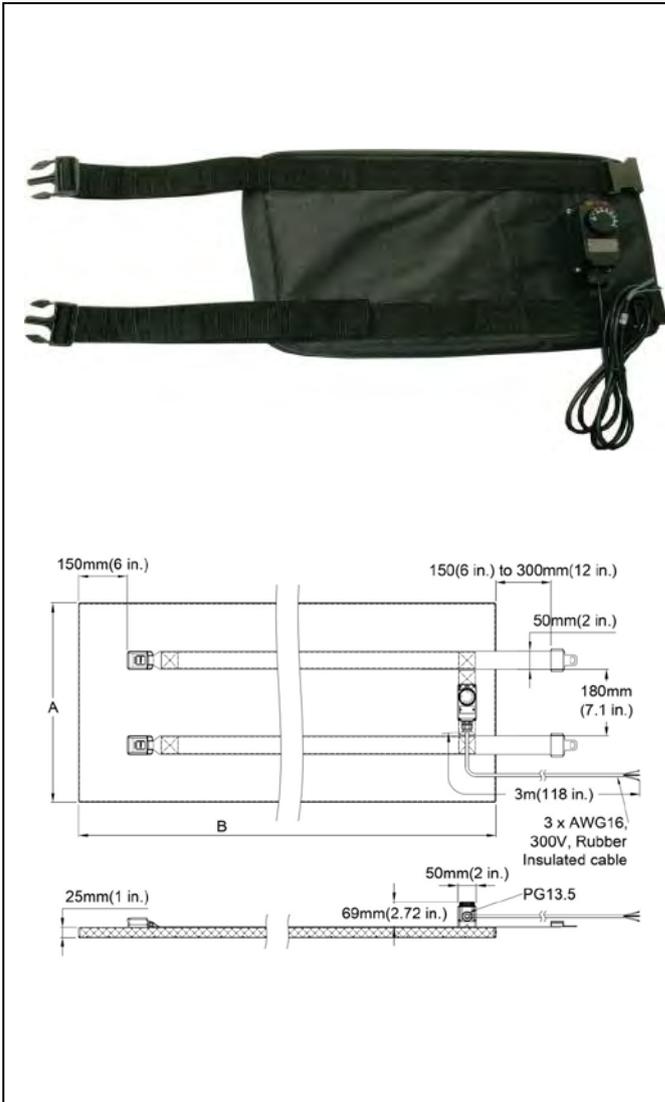


ULTIMHEAT WEB CATALOG

9VJC-Flexible Jacket pail Heater, 110°C. Thermostat temperature control Models P1/2



DIMENSIONS



MAIN FEATURES

ULTIMHEAT Flexible jacket heaters are the most effective solution of applying heat to pails. They are available for 5 gallon (±19 liter) and 15 gallon (±57 liter) pails. The jacket covers most of the container surface, and heating is provided on the full jacket surface, providing a watt density of ±0.1W/cm², which is 4 to 8 times less than rubber band heaters, and the result is uniform heating without hot spots.

MAIN APPLICATIONS

Flexible jacket drum heaters can be used for frost protection, heat up, temperature maintenance, reduce the viscosity or for melting of soaps, greases, varnishes, oils, surfactants, fats (animal & vegetable), foodstuffs and chemicals etc.... They are thermally insulated to improve thermal efficiency.

TECHNICAL FEATURES

The heating element of the flexible jacket drum heaters is a silicone insulated heating wire mat, protected by a stitched high strength and water resistant PU/Polyester or Teflon/polyester envelope. 25 mm thick, high temperature resistant foam is put between the heater and the external envelope. This insulation foam has a thermal insulation coefficient (Lambda λ) of 0,039W/mK, and therefore its thermal efficiency is about 3 times higher than a usual 10 mm fiberglass insulated jacket. Quick release buckles allow diameter adjustment, and fast installation and removal

Jacket:

- Heated Face: 1000D Teflon coated Nylon fabric.
- External face: 1000D polyurethane coated Nylon fabric.
- Jacket Ingress protection class: IP51

Thermal Insulation: 25 mm NBR-PVC closed cells high temperature resistance foam

Heating Element: Silicone insulated spiral wound resistance element on aluminized fiberglass fabric

Control: Bulb and capillary thermostat, adjustment range 10 to 110°C, with knob printed in °C. This knob has an adjustable rotation limit system that allows to reduce the adjustment range

Control housing: IP65, 100 x50 x 69 mm with connection block, PG13.5 cable gland, power supply on and output power on pilot lights.

Power Cable: Because they must comply with the local regulation and variable industrial application specifications these heaters are not supplied with electrical power supply cord, but with a connection block in the control housing, suitable for cables up to 3 x 2.5 mm². On customer's request and responsibility, we can supply it with a 3 x1 mm² HO7RN-F pre-connected cable..

Fixing: 2 or 4 x Full circumference 2" wide nylon straps webbing with quick release adjustable buckles. These straps allow circumference adjustment

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P2/2



Health and Safety standards: The heaters have been designed in compliance with EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly. They must be installed in accordance with all local applicable instructions, codes, and regulations.

Warning:

- Power to the heater jacket must be disconnected when the container is empty
- Power to the heater jacket must be disconnected when the container is being filled
- Power to the heater jacket must be disconnected during installation or removal of the heater itself.
- The heater jacket must be operated in a dry environment
- The container must be vented to avoid build up of internal pressure.
- These heaters are not suitable for outdoor use, and must be protected from rain, dust and condensation.
- These heaters are not suitable for use in flammable or explosive areas
- Do not operate heater above safety rated temperature (This temperature depends of the heated liquid, and must be checked before connecting the heater to any power supply)
- Use specified sized heater with same sized container

Options:

- Special size jackets, upon customer specifications
- Electronic temperature control

MAIN REFERENCES

Warning: These heating values have been optimized to apply maximum 0.1W/cm² on the container heated surface. The reduced value of 0.075 W/cm² is recommended for low temperature heating, and or low temperature resistant containers or liquids. Select the jacket height to be in contact with the cylindrical part of the pail on its full surface.

Download drawings at <http://www.ultimheat.com/blueink/Jacket-heaterC.html>

References**	Vol. gallon	Vol. liters	Dia. (mm ± 12)	Dia. (Inch ± 1/2")	Height A (mm)	Height A (Inch)	Flat length B (mm)	w/cm ²	w/inch ²	Temperature rise in 8h, °C*	Watt	Voltage V
9VJCU30090820000	5	20/25	290	11,4	300	11,8	900	0,075	0,48	55	200	220/230
9VJCU40110833000	15	50/60	356	14,0	400	15,7	1100	0,075	0,48	36	330	220/230
9VJCU30090827000	5	20/25	290	11,4	300	11,8	900	0,1	0,64	74	270	220/230
9VJCU54110860000	15	50/60	356	14,0	540	21,3	1100	0,1	0,64	66	600	220/230
9VJCU30090520000	5	20/25	290	11,4	300	11,8	900	0,075	0,48	55	200	110/115
9VJCU40110533000	15	50/60	356	14,0	400	15,7	1100	0,075	0,48	36	330	110/115
9VJCU30090527000	5	20/25	290	11,4	300	11,8	900	0,1	0,64	74	270	110/115
9VJCU54110560000	15	50/60	356	14,0	540	21,3	1100	0,1	0,64	66	600	110/115

**For products supplied with power supply cable, 3 x 1 mm², length 2 meters, replace the 15th character (0) by 3.

*Temperature rise is estimated and for comparison only, for standard containers sizes, filled with water, ambient temperature 20°C, and insulation properly fixed.

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