

# AGCJ Series

## Heating and Insulation Jackets for Gas Cylinders

The AGCJ Series Jackets are designed to heat and insulate cylinders in order to prevent gases from condensing inside the cylinder. Cylinder jackets are commonly used with hydrocarbon and protocol mixtures to protect against inaccurate calibration and process control when cylinders are exposed to low temperatures.

These cylinder jackets are constructed with a self-limiting heating element that prevents over-heating. As temperature increases, element resistance rises resulting in lower amperage to the heater. Lower amperage causes a wattage drop, thus limiting maximum attainable temperatures. ASGE jackets may be used to maintain cylinders at 60°F during outdoor winter conditions or to heat cylinders up to 120°F in ambient temperatures. They are constructed of materials approved by Underwriters Laboratories Inc. for Class I, Division 2, Group B, C and D hazardous locations.

**Note:** These jackets are NOT designed to heat up cylinders that have been stored in sub-freezing temperatures. Cold cylinders should be brought indoors to warm up BEFORE cylinder jacket is used.



AGCJ Series Cylinder Jacket

### Standard Features

- Heating Design will not produce "hot spots" that can cause dangerous cylinder heating conditions.
- Construction of closed-cell foam insulation, with silicon-impregnated fiberglass liner and polyester exterior jacket provides long-lasting weather protection.
- Velcro® seam flap and 6 each, D-ring closures ensure a snug fit.
- Includes 10 feet of three color-coded conductors housed in a flexible conduit ready for hardwiring by a licensed electrician.

### Specifications

- Electrical Power Requirements: 110/120 VAC
- Power Cord Length: 10 ft.
- Power Cord: 3 color-coded 14 AWG conductors housed in a 3/8" Type "UA" flexible liquid tight conduit
- Power Cord Connection: 3/8" straight connector with 1/2" male threads, sealing washer and locking nut
- Heater: Self-regulating cable with tinned copper over-braid and over extruded corrosion barrier
- Dimensions: See Table I
- Jacket Maintain Temp.: See Table I



AGCJ-THERM Thermostat

### Optional Equipment

Equipment	Part No.
Thermostat in NEMA 4X / NEMA 7 Housing	AGCJ-THERM
Cylinder Pad	AGCJ-INSPAD
Regulator Cover	AGCJ- REGHOOD



AGCJ-REGHOOD Regulator Hood Cover

Table I

Part No.	Fits Cylinders with Dimensions OD (in.) x H (in.)	Jacket Dimensions (Approx.) OD (in.) x H (in.) (See Note 1)	Jacket Maintain Temperature at 70°F Ambient (See Note 2)	Jacket Maintain Temperature at 0°F Ambient (See Note 2)
AGCJ-350H	14.5 x 44.5	17.50 x 44.5	120°F	60°F
AGCJ-300L	9.25 x 54.5	12.25 x 54.5	120°F	60°F
AGCJ-200L	9 x 50.5	12 x 50.5	120°F	60°F
AGCJ-150AL	8 x 47.5	11 x 47.5	120°F	60°F

Note 1: Other sizes, temperature and voltage ratings are available. Contact your Advanced Representative.

Note 2: Jacket Maintain Temperatures are offered as guidelines and are based upon empirical testing in no wind, indoor conditions, with hood cover installed. Additional heat losses may impact the jacket's ability to reach the indicated temperature. Conditions that may create additional losses can include wind and moisture, incomplete flap seal, internal tank pressure fluctuations and conductive losses to surrounding piping.