

Heating and Insulating Cylinder Jackets

Mix several hydrocarbon components in a cylinder, then expose that cylinder to low temperature. You'll have a sticky situation. Heavier molecules drop out of the gas mixture and stick to the cylinder walls, seriously compromising the accuracy of the mixture.

You can, however, prevent hydrocarbon and protocol mixtures from condensing. Our cylinder jackets feature a self-limiting heating cable that prevents overheating. As temperature increases, element resistance rises resulting in lower amperage to the heater. Lower amperage causes a wattage drop, thus limiting maximum attainable temperatures. Scott™ brand cylinder jackets maintain cylinders temperature from 60°F (16°C) to 120°F (49°C) depending on ambient temperature.



Benefits/Features

Eliminates inaccurate calibration and process control caused by temperature-compromised gas mixtures.

Heats and insulates to prevent cylinder contents from condensing.

Even distribution of heating cable prevents hot spots that can cause dangerous cylinder failure.

Velcro®/D-Ring closures ensure a snug fit.

Closed-cell foam insulation, with silicone-impregnated fiberglass liner and polyester exterior jacket, provide long-lasting weather protection.

Ideally suited for natural gas, power plant and utility applications.

Fluoropolymer overjacket protects heat cable from corrosion.

Includes 10' of 3 color-coded conductors in a flexible conduit ready for hard-wiring by a licensed electrician.

Constructed of materials approved by Underwriters Laboratories Inc. for Class 1, Division 2, Group B, C and D.

Specifications

Jacket Maintain Temperature:

at 70°F Ambient: 120°F (49°C)

at 0°F Ambient: 60°F (16°C)

Voltage Rating: 110/120 VAC

Optional Equipment

Thermostat in NEMA 7 housing

Cylinder pad

Regulator cover

Important:

These jackets are NOT designed to heat up cylinders that have been stored in cold or sub-freezing temperatures. Cold cylinders should be brought indoors to warmup BEFORE the cylinder jacket is used.

Under certain circumstances, when the ambient air is cold and wind chill factor is high – high heat losses will be experienced and an insulated top cover may be required to maintain published temperatures.

Hood shown is optional – please inquire.

Model Number	Cylinder Size	Dimensions	Electrical
Q5AD2G120P	44	12" x 51" (29 cm x 130 cm)	14' of internal wire, 8 watts/ft. at 50°F, 9.3 watts/ft. @ 32°F 11 watts/ft. at 0°F (154W, .78A)
Q5ALD2G120P	30AL	11" x 47" (27 cm x 119 cm)	12' of internal wire, 8 watts/ft. at 50°F, 9.3 watts/ft. @ 32°F 11 watts/ft. at 0°F (132W, 1.1A)
Q5BLD2G120P	16AL	11" x 33" (27 cm x 84 cm)	10' of internal wire, 8 watts/ft. at 50°F, 9.3 watts/ft. @ 32°F 11 watts/ft. at 0°F (110W, .92A)
Q5CLD2G120P	7AL	11" x 15" (27 cm x 38 cm)	8' of internal wire, 8 watts/ft. at 50°F, 9.3 watts/ft. @ 32°F 11 watts/ft. at 0°F (88W, .73A)
Q5KD2G120P	49	12" x 55" (30 cm x 140 cm)	16' of internal wire, 8 watts/ft. at 50°F, 9.3 watts/ft. @ 32°F 11 watts/ft. at 0°F (176W, 1.47A)
Q5XLD2G120P	108	17" x 45" (43 cm x 114 cm)	19' of internal wire, 8 watts/ft. at 50°F, 9.3 watts/ft. @ 32°F 11 watts/ft. at 0°F (209W, 1.74A)

Other sizes, temperatures and voltage ratings are available – please inquire.