



UniFlow Specialty Gas Heater System

The UniFlow System is Accurate Gas Control Systems advanced new temperature control system for vertical gas cylinders. First developed for an application where higher pressure was needed from cylinders of Silane, the UniFlow is now the product of choice for applications where any high pressure compressed gases are being used.

The rugged single piece jacket, insulation layer and heater panel are designed to withstand years of use in either indoor or outdoor gas pads. The weatherproof, slip resistant, outer shell has Velcro™ straps for insuring the best possible fit for heat transfer, while allowing for a tight seal and adjustability to a range of different diameter cylinders. A flexible top seal insures that the heat is kept in the cylinder where you want it while also allowing for a range of different height cylinders. A strain relieved power cord attaches to the outer jacket and insures the safety of the cord while the cylinder is being moved in and out of the gas cabinet.

To insure that the DOT standards for maximum cylinder temperature are never exceeded, the UniFlow has two type K thermocouples. The first of these thermocouples accurately measures the temperature of the Uni-Flow while the second measures the temperature of the cylinder itself. By accurately reporting these two temperatures, the Accurate Gas Control System controller knows precisely how much energy is needed to maintain the user defined operating temperature of the cylinder.



Shown with optional regulator heater



UniFlow Cylinder Heating System

Features and Specifications

Adjustable to fit a range of cylinder diameters and heights
Integral full height heating element
Protective, weatherproof and slip resistant outer layer
Single piece silicone rubber heater element
Heavy duty Velcro fasteners
Integrated temperature sensors
Isolated cylinder temperature sensor
Meets NEC requirements for class 1, div. 2 installations

Standard sizes

Part:	Diameter	Height	Watts
UF70	6.75" to 7.25"	29" to 35"	600
UF93	9" to 9.5"	45" to 51"	1200
UF97	9.5" to 10"	51" to 57"	1200

(other sizes available on request)

Controllers

NEALC1x
NEALC2x

System Performance

Temperature range: Up to 52 C (125 F)
Temperature control: -1 C (-1.8 F)
Temperature Sensors: Type K thermocouple

Approvals

CE
Underwriter recognized component

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