



SV9501M8129/U

INTERMITTENT HOT SURFACE PILOT SMARTVALVE®
FAST-FAST OPENING
1/2 X 1/2". SET 3.4" WC



Overview:

The SmartValve® System Controls combine gas flow control and electronic intermittent pilot sequencing functions into a single unit. This product family offers several different intermittent pilot sequences for a wide range of applications.

The specific application of the SmartValve System is the responsibility of the appliance manufacturer. They are directly compatible with the Q3450 or Q3480 Intermittent Pilot burners used with the original controls on the appliance.

Features:

- Suitable for a wide range of gas-fired appliances including residential furnaces, roof-top furnaces, residential boilers, unit heaters, infrared heaters, space heaters and commercial cooking units.
- Replaces SV9500, SV9501, SV9502, SV9601, and SV9602 controls as noted below.
- Ignition sequence includes timed trial for ignition.

Product Specifications:

Dimensions	3.2" W x 4.9" H x 4.1" L
Includes	LP Conversion Kit; extension harness
Mounting	0 to 90° in any direction from the upright position of the gas control knob, including vertically.
Electrical Rating	24 Vac, Frequency 50 Hz; 60 Hz
Flame Failure Response Time	1.6 sec @ 3 µA
Prepurge	None
Ambient Temp. Range	-40°F to +175° F (-40°C to +79°C)
Ignition System Type	Intermittent Hot Surface Pilot Ignition
Ignition Sequence	Intermittent Pilot
Type of Gas	Natural (LP with included conversion kit)
Flame Sense	HSI
Ignition Source	Pilot
Ignition Trials To Lockout	Continuous retry
Ignition Trial Time	90 sec.
Typical Ignition Hardware	Q3450; Q3480
Body Pattern	Straight-through
Opening Characteristics	Fast-Fast Opening
Pressure Regulator Setting	3.4" wc
Pressure Regulator Setting	0.87 kPa
Pressure Ratings	1/2 PSI
Inlet/Outlet Size	1/2" NPT x 1/2" NPT
Pilot Gas Outlet	Yes
Capacity (ft³/hr)	Maximum at 1 in. P.D.--150 ft³/hr; Maximum--200 ft³/hr; Minimum--20 ft³/hr
Capacity (m³/hr)	Maximum at 1 in. P.D.--4.2 m³/hr; Maximum--5.7 m³/hr; Minimum--0.6 m³/hr
Pressure Tapping	1/8" NPT
Approvals	American Gas Association