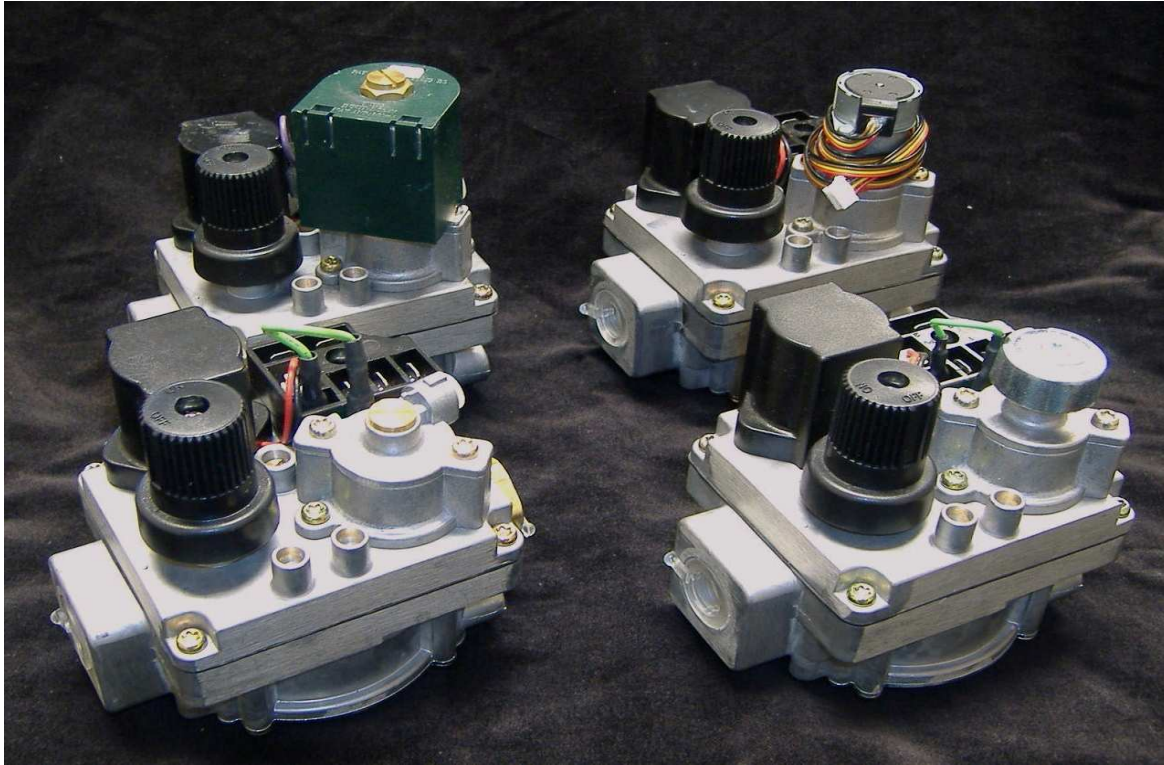


# 935 Series Gas Valves

We, at Dexen, are proud to introduce our 935 Gas Valve Series. We preserved the time-tested technologies from our existing gas valve systems while implementing new features including: **manual variable outputs, solenoid 2-step outputs and step motor multiple setting modulated outputs.**

We aim to offer innovative products that allow your design teams to create dynamic conceptions with the Dexen assurance of safety and quality.



## Dexen 935 Specifications:

Inlet and Outlet options: 1/2" x 1/2", 1/2" x 3/4" and 3/4" x 3/4" (NPT Threads)

Maximum Inlet Pressure: 1/2 PSI / 13.84" W.C.

Ambient Temperature: Minimum -10°F/ -23°C, Maximum 175°F/79.4°C

Range of Regulation: Natural = 200,000 BTU/hr to 15,000 BTU/hr

LP= 320,000 BTU/hr to 25,000 BTU/hr

Capacity: Natural 150,000 BTU/hr; LP 240,000 BTU/hr at 1"WC pressure drop

### Single Setting Regulator

Operating Pressure: Nat inlet 7"-5" W.C., outlet 3.5" W.C. with a setting range of 2.0" to 5" W.C.

LP inlet 14"-11" W.C., outlet 10.0" W.C. with a setting range of 8.0" to 12.0" W.C.

### Variable and Step Regulator

Operating Pressure: Nat inlet 7"-5" W.C., outlet 0.7"-3.5" W.C.

Natural setting range of 0.9" to 3.5" W.C. to a maximum setting range of 0.7" to 3.7" W.C.

LP setting range of 2.2-10.0" W.C. to a maximum setting range of 1.4"-10.5" W.C.

Electrical Characteristics: 24VAC, 50/60Hz (use Class 2 Transformer)

1st valve: maximum current 400mA

2nd valve: maximum current 20mA

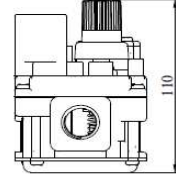
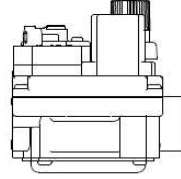
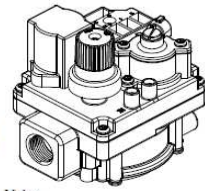
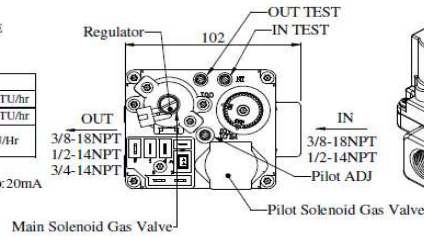
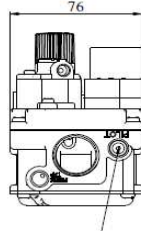
## 935A Series

Single Setting

Inlet Size : 3/8"NPT or 1/2"NPT PIPE  
 Outlet Size : 3/8"NPT or 1/2"NPT or 3/4"NPT PIPE  
 Maximum Inlet Pressure : 1/2 PSI  
 Ambient Temperature : 175° F Minimum: -10° F

Outlet Pressure	NAT 3.5"	LP 10"
Range of regulation	Max 200,000BTU/hr	Max 320,000BTU/hr
	Min 15,000BTU/hr	Min 25,000BTU/hr
Capacity(1.0 in W.C. Pressure Drop)	150,000BTU/Hr	240,000BTU/Hr

Pilot Solenoid Gas Valve: Max Amp:400mA  
 Main Solenoid Gas Valve: 24VAC 50/60Hz Max Amp:20mA



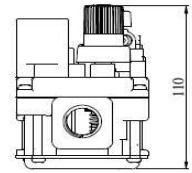
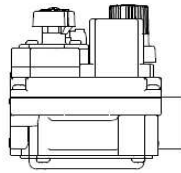
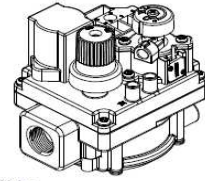
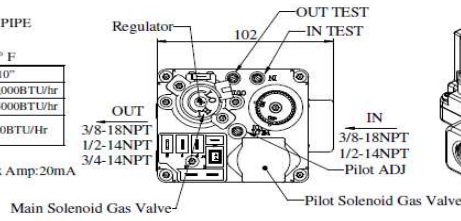
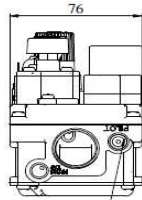
## 935B Series

Manual Hi/Lo

Inlet Size : 3/8"NPT or 1/2"NPT PIPE  
 Outlet Size : 3/8"NPT or 1/2"NPT or 3/4"NPT PIPE  
 Maximum Inlet Pressure : 1/2 PSI  
 Ambient Temperature : 175° F Minimum: -10° F

Outlet Pressure	NAT 3.5"	LP 10"
Range of regulation	Max 200,000BTU/hr	Max 320,000BTU/hr
	Min 15,000BTU/hr	Min 25,000BTU/hr
Capacity(1.0 in W.C. Pressure Drop)	150,000BTU/Hr	240,000BTU/Hr

Pilot Solenoid Gas Valve: Max Amp:400mA  
 Main Solenoid Gas Valve: 24V AC 50/60Hz Max Amp:20mA



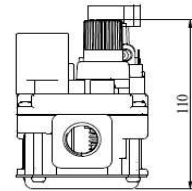
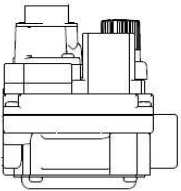
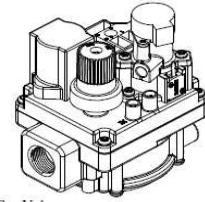
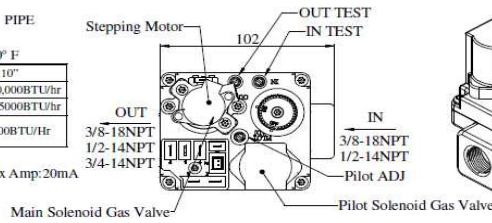
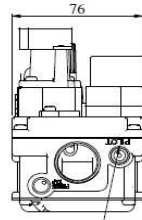
## 935C Series

Stepper Motor Driven Hi/Lo

Inlet Size : 3/8"NPT or 1/2"NPT PIPE  
 Outlet Size : 3/8"NPT or 1/2"NPT or 3/4"NPT PIPE  
 Maximum Inlet Pressure : 1/2 PSI  
 Ambient Temperature : 175° F Minimum: -10° F

Outlet Pressure	NAT 3.5"	LP 10"
Range of regulation	Max 200,000BTU/hr	Max 320,000BTU/hr
	Min 15,000BTU/hr	Min 25,000BTU/hr
Capacity(1.0 in W.C. Pressure Drop)	150,000BTU/Hr	240,000BTU/Hr

Pilot Solenoid Gas Valve: Max Amp:400mA  
 Main Solenoid Gas Valve: 24V AC 50/60Hz Max Amp:20mA



## 935D Series

Proportional 2-step or Hi/Lo

Inlet Size : 3/8"NPT or 1/2"NPT PIPE  
 Outlet Size : 3/8"NPT or 1/2"NPT or 3/4"NPT PIPE  
 Maximum Inlet Pressure : 1/2 PSI  
 Ambient Temperature : 175° F Minimum: -10° F

Outlet Pressure	NAT 3.5"	LP 10"
Range of regulation	Max 200,000BTU/hr	Max 320,000BTU/hr
	Min 15,000BTU/hr	Min 25,000BTU/hr
Capacity(1.0 in W.C. Pressure Drop)	150,000BTU/Hr	240,000BTU/Hr

Pilot Solenoid Gas Valve: Max Amp:400mA  
 Main Solenoid Gas Valve: 24V AC 50/60Hz Max Amp:20mA

