GAS VALVES

700 SNAP-ACTION AND SNAP-THROTTLE HYDRAULIC

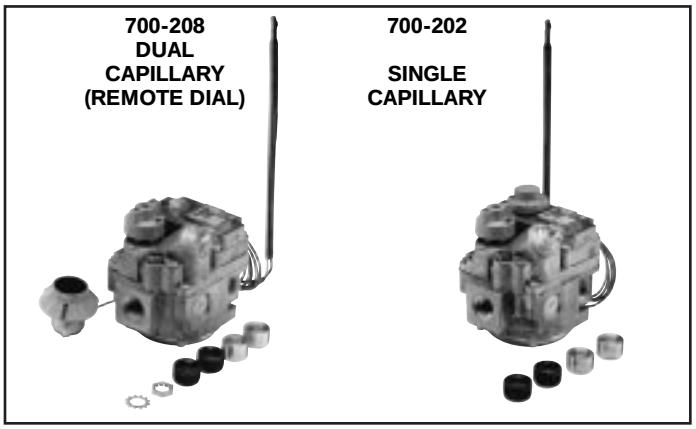
The 700-200 Series snap-action and snap-throttle (modulating) hydraulic controls are combination gas valves, thermostatically operated by a remote temperature sensing bulb.

Two types of temperature adjustment models are available. One type is a single capillary model with the temperature adjustment knob on the gas valve itself. The second type is the remote dial, dual capillary model designed for cabinet mounting. These have an 18" capillary from the valve to the sensing bulb and a 48" capillary between the bulb and the remote temperature adjustment knob.

The snap-throttle type controls are factory-set to snap on at 50% of the appliance capacity. From this 50% rate, the control will modulate up to full input rate if the demand for heat is great enough (as sensed by the remote bulb). As the temperature increase is sensed by the remote bulb, the control throttles the input back down to the minimum rate and when the temperature requirement is satisfied, the control snaps "off".

These controls combine a manual valve (gas cock), an automatic pilot safety valve, pressure regulator (optional by model) and a snap-acting or snap-throttle hydraulic operator for total temperature control. All models feature 3-position main gas outlets and pilot outlet, pilot gas filter, pilot adjustment key and automatic pilot valve. The automatic pilot valve is separate from the gas cock and provides gas shutoff in case of pilot outage. Consult ordering charts for individual control specifications.

EXCELLENT REPLACEMENT FOR COMPETITIVE GAS VALVES . . .
USE THE COMPETITIVE GAS VALVE CROSS-REFERENCE SHOWN ON PAGES C90-C112.



MODELS NOW HAVE A SLOTTED SAFETY MAGNET

SPECIFICATIONS

Temperature range	
Standard Dial	58° to 90°F
Remote Dial	45° to 95°F
Capillary length	
Single capillary type	36"
Remote dial type	combination 18" and 48"
Bulb O.D. and length	1/4" x 8"
Pressure regulator	see ordering chart
Pilot outlet	1/4" tubing
Gas cock dial marking	off-pilot-on
Ambient temperature	–40° to 175°F
Maximum inlet pressure	14" W.C. (1/2 PSI)

ORDERING DATA

UNI-LINE ORDER NO.	FACTORY MODEL★	INLET SIZE (FPT)	3 POSITION OUTLET (FPT)	CAPILLARY LENGTH	INTERNAL PRESSURE REGULATOR SETTING □	CAPACITY[1]	REDUCER BUSHINGS INCLUDED (NPT) 3/4" x 1/2"	1/2" x 3/8"
SNAP-ACTION MODELS								
700-201	7000AS	1/2"	1/2"	36"	NONE*	100,000		2
700-202	7000ASR	1/2"	1/2"	36"	3.5" W.C. NAT. GAS	100,000		2
700-209	7000AS-1H	1/2"	1/2"	REMOTE DIAL DUAL CAPILLARY MODELS	NONE*	100,000		2
700-210	7000ASR-1H	1/2"	1/2"		3.5" W.C. NAT. GAS	100,000		2
700-215†	7000AS	1/2"	1/2" STRAIGHT THRU (NO SIDE OUTLETS)	36"	NONE*	100,000		2
700-216	7000ASR-LP	1/2"	1/2"	36"	10.0" W.C. L.P. GAS	160,000		2

* A separate pressure regulator may be required for the system.
1 1000 BTU/Cu. Ft. 0.64 sp. gr. nat. gas @ 1" W.C. pd.
□ **Pressure regulator is built-in. To change gas, order complete operator assembly – see page C25.**
† **Has special 110-180°F temperature range – used on catering trucks.**
★ See Factory Model Identification on page C12.

SNAP-THROTTLE MODELS

700-203†	7000AST-3	1/2"	1/2"	36"	NONE*	100,000		2
700-204	7000AST-LP-3	1/2"	1/2"	36"	NONE*	160,000		2
700-205	7000ASTR-3	1/2"	1/2"	36"	3.5" W.C. NAT GAS	100,000		2
700-206†	7000AST-3-1H	1/2"	1/2"	REMOTE DUAL CAPILLARY MODELS	NONE*	100,000		2
700-207	7000AST-LP-3-1H	1/2"	1/2"		NONE*	160,000		2
700-208	7000ASTR-3-1H	1/2"	1/2"		3.5" W.C. NAT. GAS	100,000		2
700-212	7000ASTR-LP	1/2"	3/8"* *	18"	11.0" W.C. L.P. GAS	162,000		1
700-213	7000ASTR-4	1/2"	3/8"* *	18"	4.0" W.C. NAT. GAS	100,000		1

* A separate pressure regulator may be required for the system.
** Right side outlet only – Williams Furnace applications.
† Non-regulated but for use on natural gas **only**.
★ See Factory Model Identifcation on page C12.

DRIVE ROD ACCESSORIES- GAS COCK

Some applications will require a drive rod for the gas cock dial. Order gas cock drive rod adaptor separately.
Order **1751-009**.

TEMPERATURE DIAL

If your application requires a drive rod for the temperature dial, simply pry off the temperature dial on the gas valve. A built-in drive rod adaptor is located underneath the temperature dial.