

## 720 SERIES DUAL VALVE GAS CONTROLS

The 720 Series Dual Valve Gas Controls are designed for a wide variety of heating applications and can be used to replace most constant pilot valves, including dual valve (six function) models.

The 720 Series constant pilot gas valve is a six function valve incorporating a manual valve, safety shutoff magnet, dual automatic valves (hence the term "dual valves"), main gas regulator, and pilot adjustment. Models are available with and without a pressure regulator. **Uni-Kits®** are factory-set at 3.5" W.C. for natural gas, but can be converted to L.P. by installing the regulator conversion kit included.

The 720 Series feature an integral manual selector used to select from the 4 gas flow positions – off, on, pilot and "set". The "set" position provides pilot only gas flow during magnet energizing and lock up. Built-in stops serve to prevent accidental setting to the off position.

The wiring connections, manual selector and adjustments are easily accessible on top of the valve. With a 3-9/16" swing radius, the 720 series lends itself well to replacing many OEM valves. Controls are multiposition and can be mounted in any position (except upside down).

To prevent unsafe attempts at repair, special screws are used and replacement parts are **NOT** available.



720-402

### SPECIFICATIONS

Electrical Ratings	24 VAC, .5 amps, 50/60 Hz
Pressure regulator	
Natural Gas	factory set at 3.5" W.C.
L.P. Gas	factory set at 11.0" W.C.
Pilot Outlet	1/4" tubing
Ambient Temperature	-40° to 175°F
Maximum Inlet Pressure	14" W.C. (1/2 PSI)

### REGULATION CAPACITIES (BTUs)

SIZE	NATURAL GAS		L.P. GAS	
	MIN.	MAX.	MIN.	MAX.
1/2" x 1/2"	15,000	200,000	15,000	320,000
1/2" x 3/4"	15,000	200,000	15,000	320,000
3/4" x 3/4"	15,000	200,000	15,000	320,000

PRESSURE REGULATOR CONVERSION KITS ARE SHOWN ON PAGE C25.

### ORDERING DATA

UNI-LINE ORDER NO.	FACTORY MODEL★	INLET SIZE (FPT)	OUTLET SIZE (FPT)	STRAIGHT THRU	SIDE OUTLET 1/2" FPT WITH PLUGS	PRESSURE REGULATOR SETTING	CAPACITY*	REDUCER BUSHINGS		
								3/4" x 1/2"	1/2" x 3/8"	3/4" x 3/8"

**HOT SURFACE IGNITION MODELS – See page C29.**

**INTERMITTENT PILOT IGNITION MODELS – See page C28.**

720-400	7200ER	1/2"	3/4"	•		UNI-KIT	150,000	1	1	1
720-401	7200E	1/2"	3/4"	•	•	NONE* *	150,000	1		
720-402	7200ER	1/2"	3/4"	•	•	UNI-KIT	150,000	1		
720-403▲	7200ER-S7C	1/2"	3/4"	•	•	UNI-KIT		1		
720-404	7200ER	3/4"	3/4"	•	•	UNI-KIT	150,000	1		
720-406	7200ER	3/4"	3/4"	•		UNI-KIT	150,000	2		

### STANDING PILOT MODEL – CONVERTIBLE PRESSURE REGULATOR

720-007	7200ERC	1/2"	1/2"		•	•△	150,000		1	
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### STANDING PILOT MODELS – STEP-OPENING WITH CONVERTIBLE PRESSURE REGULATOR

720-472†	7200ERCS-2	1/2"	1/2"	•	•	•△	150,000		1	
720-474°	7200ERCS	1/2"	1/2"	•	•	•△	150,000		1	

\* 1,000 BTU/Cu. Ft. 0.64 sp. gr. natural gas, or 2,500 Btu/Cu./Ft. sp. gr. L.P. gas @ 1" W.C. pd.

△ Has convertible regulator designed for mobile home use. Select 3.5" W.C. Nat. Gas. or 11.0" L.P. Gas.

▲ Has slow-opening feature for soft ignition.

° Has step-opening feature opens to 25% of full flow. Full flow within 30 seconds.

★ See Factory Model Identification on page C12.

\*\* A separate pressure regulator may be required for the system.

† Has step-opening feature opens to 40% of full flow. Full flow within 30 seconds.

### CANADIAN MODELS

UNI-LINE ORDER NO.	FACTORY MODEL	INLET SIZE (FPT)	OUTLET SIZE (FPT)	STRAIGHT THRU	SIDE OUTLET 1/2" FPT WITH PLUGS	PRESSURE REGULATOR SETTING	CAPACITY*	REDUCER BUSHINGS INCLUDED		PIPE PLUG
								3/4" x 1/2"	1/2" x 3/8"	
720-C400	700-C400	1/2"	1/2"	•		UNI-KIT	150,000	1		
720-C402✓	700-C402		3/4"	•	•					2
720-C404	700-C404		1/2"	•					2	

\*1,000 BTU/Cu. Ft. 0.64 sp. gr. natural gas, or 2,500 Btu/Cu./Ft. sp. gr. L.P. gas @ 1" W.C. pd.

✓ Obsolete – available to stock on hand.