

700 24 VOLT COMBINATION VALVE

For reliability, performance, flexibility and ease of installation and service in one compact control, Robertshaw's 24 volt combination gas valves are the answer. These valves feature a manual valve (gas cock), an automatic pilot safety valve, inlet/outlet screens, pilot outlet, pilot gas filter and pilot adjustment key. Regulated and nonregulated models are available (see ordering chart). Models that have a safety magnet have a "notched or slotted" magnet for applications requiring the use of an ECO (Energy Cut-Off) switch. The automatic pilot safety valve is separate from the gas cock and provides gas shutoff in case of pilot outage. VALVES CAN BE MOUNTED IN ANY POSITION EXCEPT UPSIDE DOWN. Consult ordering charts for individual control specifications.

UNI-KITS®

The 700 Series 24 Volt Uni-Kits® have a pressure regulator installed that is set for natural gas (3.5" W.C.) To convert to L.P. gas, a regulator cover plate is included. Simply remove pressure regulator and install the regulator cover plate.



MODELS NOW HAVE A SLOTTED SAFETY MAGNET

USE THE COMPETITIVE VALVE CROSS-REFERENCE SHOWN ON PAGES C90-C112.

SPECIFICATIONS

Electrical rating	12 VDC – 0.18 amps
Pressure regulator	24 VAC – 0.2 amps, 50/60 Hz factory set @ 3.5" W.C.
Pilot outlet	1/4" tubing
Gas cock dial marking	off-pilot-on
Terminal type	combination screw/spade
Ambient temperature	– 40° to 175°F
Maximum inlet pressure	14" W.C. (1/2 PSI)

PRESSURE REGULATOR CONVERSION KITS ARE SHOWN ON PAGE C25.

ORDERING DATA

UNI-LINE ORDER NO.	FACTORY★ MODEL	INLET SIZE (FPT)	3 POSITION OUTLET		PRESSURE REGULATOR SETTING	CAPACITY ¹	REDUCER BUSHINGS INCLUDED (NPT)	
			STRAIGHT THRU (FPT)	SIDE (FPT) WITH PLUGS			3/4" x 1/2"	1/2" x 3/8"
24 VOLT COMBINATION MODELS								
700-400	7000BER	1/2"	3/4"	STRAIGHT-THRU	UNI-KIT	240,000	1	
700-401	7000BE	1/2"	3/4"	1/2"	NONE*	240,000	1	
700-402	7000BER	1/2"	3/4"	1/2"	UNI-KIT	240,000	1	
700-404	7000BER	3/4"	3/4"	1/2"	▶	300,000	2	1
700-405	7000BE	3/4"	3/4"	STRAIGHT-THRU	NONE*	300,000	2	
700-406	7000BER	3/4"	3/4"	STRAIGHT-THRU	UNI-KIT	300,000	2	
700-407	7000AE	1/2"	1/2"	1/2"	NONE*	100,000		2
700-408	7000AER	1/2"	1/2"	1/2"	3.5" W.C. NAT. GAS	100,000		2
700-409•	7000BMSER	1/2"	1/2"	STRAIGHT-THRU	3.5" W.C. NAT. GAS	240,000		2
700-411	7000BER-LP	3/4"	3/4"	1/2"	11.0" W.C. L.P. GAS	485,000	2	
700-412†	7000BERC	1/2"	3/4"	1/2"	CONVERTIBLE	240,000	1	
700-419†	7000AERC	1/2"	1/2"	1/2"	CONVERTIBLE	100,000		2
700-426* *	7000BER-S7A	3/4"	3/4"	STRAIGHT-THRU	3.5" W.C. NAT. GAS	300,000	2	
700-428* *	7000BER-S7C	1/2"	3/4"	1/2"	3.5" W.C. NAT. GAS	240,000	1	2
700-429* *	7000BER-LP-S7C	1/2"	3/4"	1/2"	11.0" W.C. L.P. GAS	390,000	1	
700-434* *	7000AERB-5S7C	1/2"	1/2"	1/2"	□	100,000		2
700-435* *	7000AERB-3-LP-S7C	1/2"	1/2"	1/2"	■	100,000		2
700-438	7000ERHC	1"	1"	STRAIGHT-THRU	3.5" W.C. NAT. GAS	720,000		
700-441* *	7000EHC-S7C	1"	1"	STRAIGHT-THRU	NONE*	600,000		
700-442* *	7000ERHC-S7C	1"	1"	STRAIGHT-THRU	3.5" W.C. NAT. GAS	720,000		

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

Refer to field adaptable 1751 regulator kit on page C25.

** Has slow opening feature for soft ignition.

▶ Includes a separate LP gas pressure regulator.

• Has thermopile type safety magnet.

† Has gas converter feature: 3.5" W.C. natural gas or 11.0 W.C. L.P. gas. Set in natural position

†† Exact replacement for Carrier/BDP #EF53CK199

1 1000 BTU/Cu. Ft. 0.64 sp. gr. natural gas or 2500 BTU/Cu. Ft. 1.53 sp. gr. L.P. gas @ 1" W.C. pd.

★ See Factory Model Identification on page C12.

□ Pressure regulator settings for natural gas. LO = 2.0" W.C., HI = 4.0" W.C.

■ Pressure regulator settings for L.P. gas. LO = 2.8" W.C., HI = 11.0" W.C.