

PILOT, DIRECT AND HOT SURFACE IGNITION

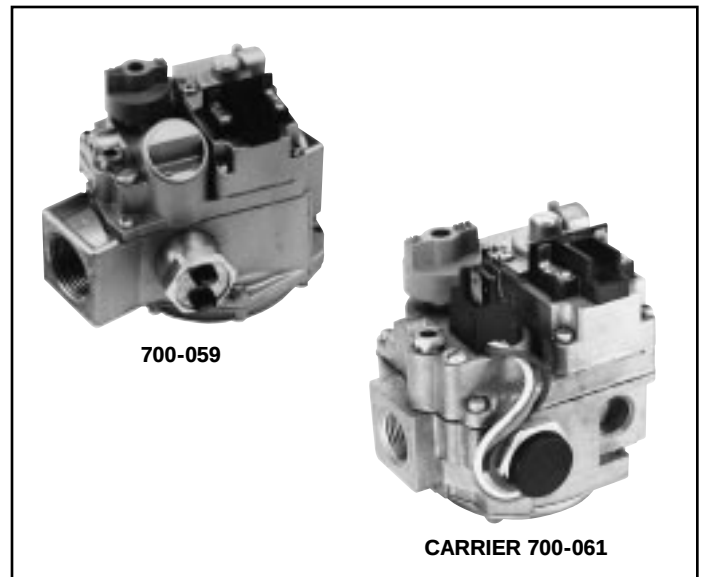
700 SERIES

These 700 Series Gas Valve Uni-Kits® are designed for intermittent pilot, direct spark and hot surface applications. They incorporate a manual valve, pilot valve, and a main gas pressure regulator. Each Uni-Kit includes all the necessary parts and instructions needed to convert to direct spark or hot surface applications. These valves are designed for many residential and commercial applications such as central heating units, wall heaters, boilers and mobile home furnaces. They also have all the wiring connections, manual selector and adjustments easily accessible.

SPECIFICATIONS

Electrical	24 volt, 60 Hz
Ambient rating	-40°F to 175°F / -40°C to 80°C
Capacity (maximum regulation)	
1/2" x 3/4" straight through	300,000
3/4" x 3/4" straight through	350,000
1" x 1"	720,000
3/4" x 1"	530,000*
3/4" x 3/4"	450,000*
Pressure regulator setting	see Ordering Data
Maximum inlet pressure	14" W.C. (1/2 PSI)

* Using reducer bushings included in 1" valves.



PRESSURE REGULATOR CONVERSION KITS ARE SHOWN ON PAGE C25.

ORDERING DATA

UNI-LINE ORDER NO.	FACTORY MODEL	INLET SIZE (FPT)	OUTLET SIZE (FPT)	STRAIGHT THROUGH	SIDE OUTLET 1/2" FPT WITH PLUGS	PRESSURE REGULATOR SETTING	CAPACITY*
UNIVERSAL MODELS - INTERMITTENT PILOT, DIRECT SPARK AND HOT SURFACE							
700-052•	7000 BDER-S7A†	1/2"	3/4"		•	3.5" NAT. GAS	300,000
700-055•	7000 BDER-LP-S7A†	3/4"	3/4"	•		11" L.P. GAS	485,000
700-056•	7000 BDER-S7A†	3/4"	3/4"	•		3.5" NAT. GAS	350,000
700-057•	7000 DERHC	1"	1"	•		4.0" NAT. GAS	720,000
700-058•	7000 DEHC-S7A†	1"	1"	•		NONE★	††
700-059•	7000 DERHC-S7C†	1"	1"	•		4.0" NAT. GAS	720,000

5-WIRE HOOKUP MODELS - INTERMITTENT PILOT

700-061	7000 BKER-S7C†	3/4"	3/4"	•		3.5" NAT. GAS	300,000
700-062/■	7000 BKER-S7A†	3/4"	3/4"	•		3.5" NAT. GAS	350,000
700-066/■	7000 BKER-S7A†	3/4"	3/4"	•		3.5" NAT. GAS	350,000

UNIVERSAL 2-STAGE MODELS - INTERMITTENT PILOT, DIRECT SPARK AND HOT SURFACE

UNI-LINE ORDER NO.	FACTORY MODEL	INLET SIZE (FPT)	OUTLET SIZE (FPT)	TYPE OF GAS	PRESSURE REGULATOR SETTINGS		CAPACITY*
					LO-FIRE	HI-FIRE	
700-051	7000 BDER2-3-LP-S7C†	3/4"	3/4"	L.P.	2.8" W.C.	11.0" W.C.	480,000
700-053	7000 BDER2-4-S7A†	3/4"	3/4"	NAT.	1.3" W.C.	3.5" W.C.	300,000
700-063	7000 DER2-HC-3-LP-S7C†	1"	1"	L.P.	2.8" W.C.	11.0" W.C.	960,000
700-064	7000 DER2-HC-4-S7C†	1"	1"	NAT.	1.3" W.C.	3.5" W.C.	720,000

CANADIAN MODELS

UNI-LINE ORDER NO.	FACTORY MODEL	INLET SIZE (FPT)	OUTLET SIZE (FPT)	STRAIGHT THROUGH	SIDE OUTLET 1/2" FPT WITH PLUGS	PRESSURE REGULATOR SETTING	CAPACITY*
700-C051	7000 ADER-S7B	1/2"	1/2"	•		3.9" W.C. NAT. GAS	100,000
700-C054	7000 BDERP	1/2"	1/2"	•		2.0" W.C. NAT. GAS	225,000

* 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.

† Has slow opening feature for soft ignition. Can be field removed.

††720,000 Btu natural gas; 1,150,000 Btu L.P. gas.

★ Nonregulated. A separate pressure regulator may be required for the system.

• Includes parts to adapt to direct spark or hot surface applications.

✓ Obsolete - available to stock on hand.

■ Consider 712-006 Ignition Kit.