



Commercial 702/ 801 Gas Burner Ordering Matrix

Ordering a Gas Burner

1. Select your Chassis (Includes air tube –15" for 801GAS, 14" for 702GAS – and welded flange)
 - a. Locate the Boiler Brand in the gray headings
 - b. Scroll down to the boiler model listed in the *Appliance* column
 - c. Locate your Chassis part number in the *Burner Model/ Chassis Part No.* column
 - d. Locate the burner mounting plate (ordered from boiler manufacturer)
2. Select the Panel Configuration that best suits your application and job
3. Order the Gas Train that corresponds to the Gas Pressure and Max MBH
 - a. Locate your Gas Train Model Based on Code Requirements (Standard, Mass Code)

1. SELECT YOUR CHASSIS (by Appliance)

Appliance	Input Gas MBH	Burner Model	Chassis Part No.	Front Mounting Plate Requires 8½" opening (from Boiler Mfg)
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BURNHAM

V906A	1010	702GAS	52500A	602292461
V907A	1198	702GAS	52500A	602292461
V908A	1386	702GAS	52500A	602292461
V909A	1674	801GAS	52600A	602292461
V910A	1905	801GAS	52600A	602292461
V911A	2136	801GAS	52600B	602292461
V912A	2367	801GAS	52600B	602292461

SMITH

19A-6	931	702GAS	52500A	3640
19A-7	1137	702GAS	52500A	3640
19A-8	1342	702GAS	52500A	3640
19A-9	1548	801GAS	52600A	3640
19A-10	1754	801GAS	52600A	3640
19A-11	1989	801GAS	52600A	3640
19A-12	2165	801GAS	52600B	3640

WEIL-McLAIN

780	935	702GAS	52500A	J20911
880	1082	702GAS	52500A	J20911
980	1230	702GAS	52500A	J20911
1080	1378	702GAS	52500A	J20911
1180	1526	801GAS	52600A	J20911
1280	1674	801GAS	52600A	J20911
488	1010	702GAS	52500A	386-300-207
588	1357	702GAS	52500A	386-300-207
688	1701	801GAS	52600A	386-300-207
788	2046	801GAS	52600A	386-300-207
888	2382	801GAS	52600B	386-300-207
988R	2482	801GAS	52600B	386-300-207

2. SELECT YOUR PANEL CONFIGURATION

Standard panel included with 70GAS and 801GAS burners (at no additional cost). Panel upgrade options are available via one of our factory installed panel kits (listed below). **Standard Panel Includes:** LIGHTS: Power On, Call for Heat. SWITCHES: Service, Gas On/Off, Low/High Fire, Air Flow

Part Number	Lights			Switches	Additional Features	
	Flame Failure	Low Water	Hi Limit	Alarm Silencer	Aux Relay	Alarm Bell
PNLKIT1	X				X	
PNLKIT2	X	X				
PNLKIT3	X		X	X		X

3. SELECT YOUR GAS TRAIN

IMPORTANT: Gas pressure can fluctuate based on local area demand. Select the gas train that corresponds to the lowest anticipated pressure. When in doubt, select the next larger train size or call Tech Support at 800-989-2275 for assistance.

702GAS – STANDARD			
Part Number	Gas Pressure	Maximum MBH	Description
51572B	< 5" WC	950	1" Gas Train for Low Pressure up to 950,000 BTUH, Standard Pressure up to 1,100,000 BTUH
	> 5" WC	1,100	
51572E	< 5" WC	1,050	1¼" Gas Train for Low Pressure up to 1,050 BTUH, Standard Pressure up to 1,350,000 BTUH
	> 5" WC	1,350	
51572G	< 5" WC	1,200	1½" Gas Train for Low Pressure up to 1,200,000 BTUH, Standard Pressure up to 1,600,000 BTUH
	> 5" WC	1,600	
51572J	< 5" WC	1,600	2" Gas Train for Low and Standard Pressure up to 1,600,000 BTUH
	> 5" WC	1,600	

VENTLESS DUAL FUEL TRAINS

51601CV	< 5" WC	950	1" Gas Train for Low Pressure up to 950,000 BTUH, Standard Pressure up to 1,100,000 BTUH
	> 5" WC	1,100	
51601HV	< 5" WC	1,200	1½" Gas Train for Low Pressure up to 1,200,000 BTUH, Standard Pressure up to 1,600,000 BTUH
	> 5" WC	1,600	
51601KJV	< 5" WC	1,600	2" Gas Train for Low and Standard Pressure up to 1,600,000 BTUH
	> 5" WC	1,600	

702GAS – MASS CODE

51572C	< 5" WC	950	1" Gas Train with Low and High Gas Pressure Switches
	> 5" WC	1,100	
51572F	< 5" WC	1,050	1-1/4" Gas Train with Low and High Gas Pressure Switches
	> 5" WC	1,350	
51572H	< 5" WC	1,200	1-1/2" Gas Train with Low and High Gas Pressure Switches
	> 5" WC	1,600	
51572K	< 5" WC	1,600	2" Gas Train with Low and High Gas Pressure Switches
	> 5" WC	1,600	

VENTLESS DUAL FUEL TRAINS

51601CV	< 5" WC	950	1" Gas Train for Low Pressure up to 950,000 BTUH, Standard Pressure up to 1,100,000 BTUH
	> 5" WC	1,100	
51601HV	< 5" WC	1,200	1½" Gas Train for Low Pressure up to 1,200,000 BTUH, Standard Pressure up to 1,600,000 BTUH
	> 5" WC	1,600	
51601KJV	< 5" WC	1,600	2" Gas Train for Low and Standard Pressure up to 1,600,000 BTUH
	> 5" WC	1,600	

801GAS – STANDARD

Part Number	Gas Pressure	Maximum MBH	Description
51572G	< 5" WC	1,800	1½" Gas Train for Low Pressure up to 1,400,000 BTUH, Standard Pressure up to 2,100,000 BTUH
	> 5" WC	2,100	
51572J	< 5" WC	2,100	2" Gas Train for Low and Standard Pressure up to 2,499,999 BTUH
	> 5" WC	2,499	

VENTLESS DUAL FUEL TRAINS

51601HV	< 5" WC	1,800	1" Gas Train for Low Pressure up to 950,000 BTUH, Standard Pressure up to 1,100,000 BTUH
	> 5" WC	2,100	
51601KV	< 5" WC	2,100	1½" Gas Train for Low Pressure up to 1,200,000 BTUH, Standard Pressure up to 1,600,000 BTUH
	> 5" WC	2,499	

801GAS – MASS CODE

51572C	< 5" WC	1,800	1" Gas Train with Low and High Gas Pressure Switches
	> 5" WC	2,100	
51572F	< 5" WC	2,100	1¼" Gas Train with Low and High Gas Pressure Switches
	> 5" WC	2,499	

VENTLESS DUAL FUEL TRAINS

51601HV	< 5" WC	1,800	1" Gas Train with Low and High Gas Pressure Switches
	> 5" WC	2,100	
51601KV	< 5" WC	2,100	1½" Gas Train with Low and High Gas Pressure Switches
	> 5" WC	2,499	