

# RANSOME

"Serving the LP-Gas Industry since 1932"



**Torches, Burners, Furnaces  
and Accessories**

**RANSOME**  
MANUFACTURING

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Catalog TB-3/99

# BURNERS

## VENTURI

**APPLICATION:** Ransome venturis are designed for use with Ransome burners, but many customers and other burner head manufacturers also use them with their products.

**DESCRIPTION:** Each venturi is sold as a complete unit which includes: venturi, spud, orifice and locking ring. Sizes are by pipe size connection. All venturis will be shipped with blank orifices unless drill size is specified with order.

V050S



V050B



V050, V075, V100, V125, V150



V200, V300



MODEL NUMBER	DIMENSIONS INCHES		ORIFICE SIZE	GAS CONNECTION	VENTURI CONNECTION	WT. LBS.
	A	B				
V050	5	1-7/8	1/4 - 28 MNPS	1/8" MNPS	1/2" MNPS	9-1/2 oz.
V050S	2-3/8	1-7/8	1/4 - 28 MNPS	1/8" MNPS	1/2" MNPS	9-1/2 oz.
V050B	1-1/2	2-5/8	1/4 - 28 MNPS	1/8" MNPS	1/2" MNPS	9 oz.
V075	6-3/4	2-3/8	5/16 - 32 MNPS	1/4" MNPS	3/4" MNPS	14 oz.
V100	6-1/8	3	7/16 - 27 MNPS	1/2" MNPS	1" MNPS	1-3/4
V125	7-1/8	3	7/16 - 27 MNPS	1/2" MNPS	1-1/4" MNPS	1-3/4
V150	11-7/8	3-5/8	7/16 - 27 MNPS	1/2" MNPS	1-1/2" MNPS	4
V200	15-1/4	4-1/8	7/16 - 27 MNPS	1/2" MNPS	2" MNPS	6
V300	18-1/8	5-1/4	5/8 - 27 MNPS	3/4" MNPS	3" MNPS	11

## TORCH-TYPE STRAIGHT FLAME BURNERS

**APPLICATION:** Torch type straight flame burners are used in a variety of applications. Some of their more popular uses include pilots, heaters, furnaces, rivet heating, immersion tubes, preheating, ore roasting ovens, sand and aggregate driers, tunnel driers and horizontal boilers.

**DESCRIPTION:** The heads of these burners are cylindrical in shape. The grid is designed to produce a relatively long tapering flame. The larger sized B4 and B5 are equipped with integrally cast brackets, designed for mounting pilots. These burners do not come with pilots as standard units, consequently if a pilot is desired, your order should so state.

B1, B2, B3



B4, B5



BURNER	AIR SHUTTER	SPUD	VENTURI
B1	AS200	SP12L	V050
B2	AS300	SP50L	V100
B3	AS300	SP50L	V125
B4	AS362	SP50L	V150
B5	AS412	SP50L	V200

**NOTE:** See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS INCHES			BURNER BTU CAPACITIES												WT. LBS.	
				LP-GAS						NATURAL GAS							
	A	B	C	ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI		10 PSI
B1	8-1/2	1-3/8	1-7/8	69	5,900	9,700	13,900	21,600	30,700	43,000	60	3,900	10,900	15,200	---	---	---
				58	---	---	---	26,100	37,800	---	---	---					
B2	10-1/2	2-1/4	2-3/4	64	9,000	14,800	20,900	33,200	46,700	66,400	52	9,800	27,600	38,500	---	---	---
				51	---	---	---	66,900	95,200	---	---	---					
B3	12	3-1/4	2-3/4	50	34,200	55,300	77,500	123,000	175,900	246,000	35	29,900	81,400	115,600	---	---	---
				30	---	---	---	250,200	356,400	---	---	---					
B4	17	3-3/4	3-3/8	43	53,000	89,800	126,700	200,500	286,600	403,400	28	48,900	133,100	188,450	---	---	---
				24	---	---	---	347,600	495,300	---	---	---					
B5	21	5	4-1/8	33	89,800	145,200	205,400	324,700	462,400	649,400	23	58,700	159,200	225,400	---	---	---
				20	---	---	---	389,100	554,900	---	---	---					

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

# BURNERS

## TORCH-TYPE UPSHOT FLAME BURNERS

**APPLICATION:** Torch type upshot burners can be effectively employed under lead, metal or glue pots where a usually limited area of heat transfer is available. If efficiency is to be attained in such installations, the hottest portion of the flame must be concentrated upon the melting pot or other heat transfer surface, and not allowed to spread and become dissipated.

**DESCRIPTION:** This type of burner is used to advantage where a hot flame is desired to be localized and concentrated at a point. The heads of these burners are cylindrical in shape. The grid is designed to produce a relatively long tapering flame.

The larger sized B4U and B5U burners are equipped with integrally cast brackets designed for mounting pilots.

These burners do not come with pilots as standard units, consequently if a pilot is desired, your order should so state.



B1U, B2U, B3U, B4U, B5U



NOTE: See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS INCHES		BURNER BTU CAPACITIES													WT. LBS.
			LP-GAS							NATURAL GAS						
			ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	
B1U	8-1/2	4-1/2	69	5,900	9,700	13,900	21,600	30,700	43,000	60	3,900	10,900	15,200	---	---	1-3/4
B2U	10-1/2	5-7/8	64	9,000	14,800	20,900	33,200	46,700	66,400	58	---	---	---	26,100	37,800	4
										51	---	---	---	66,900	95,200	
B3U	12	6-1/2	50	34,200	55,300	77,500	123,000	175,900	246,000	35	29,900	81,400	115,600	---	---	7
										30	---	---	---	250,200	356,400	
B4U	17	8	43	53,000	89,800	126,700	200,500	286,600	403,400	28	48,900	133,100	188,450	---	---	8
										24	---	---	---	347,600	495,300	
B5U	21	9-1/2	33	89,800	145,200	205,400	324,700	462,400	649,400	23	58,700	159,200	225,400	---	---	15
										20	---	---	---	389,100	554,900	

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

## IMMERSION TUBE BURNERS

**APPLICATION:** Immersion tube burners are used for most small to intermediate sized immersion tube heaters.

**DESCRIPTION:** The heads of these burners are cylindrical in shape, with brackets that attach directly to your immersion tube. The grid is designed to produce a long sharp flame.



IM4, IM5, IM6



NOTE: See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS INCHES		BURNER BTU CAPACITIES													WT. LBS.
			LP-GAS							NATURAL GAS						
			ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	
IM4	10-1/2	5	45	47,000	77,500	109,400	172,200	246,000	344,400	30	41,100	111,200	157,800	250,200	356,400	6
IM5	15	5-5/8	45	47,000	77,500	109,400	172,200	246,000	344,400	30	41,100	111,200	157,800	250,200	356,400	8-1/4
IM6	16	6-3/4	43	55,300	89,800	126,700	200,500	286,600	403,400	25	55,300	150,500	212,300	336,000	478,500	11-1/4

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

# BURNERS

## SPREAD HEAD STRAIGHT SHOT FLAME BURNERS

**APPLICATION:** Spread head straight shot flame burners are used for large heaters, sidereid ore roasting ovens, preheating small driers, small horizontal boilers, etc.

**DESCRIPTION:** The heads of these burners are cylindrical in shape, tapering out at the top. The grid is designed to produce a wide relatively short flame. The larger sized S5 and S8 burners are equipped with integrally cast brackets, designed for mounting pilots. These burners do not come with pilots as standard units, consequently if a pilot is desired, your order should so state.

BURNER	AIR SHUTTER	SPUD	VENTURI
S4V050	AS200	SP12L	V050
S4V075	AS237	SP25L	V075
S5	AS300	SP50L	V150
S8	AS412	SP50L	V200



S4V050, S4V075, S5, S8



NOTE: See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS INCHES A B C			BURNER BTU CAPACITIES												WT. LBS.	
				LP-GAS						NATURAL GAS							
				ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI		10 PSI
S4V050	10	4-1/4	3	62	10,100	16,300	23,300	36,900	51,600	73,800	48	14,300	37,100	52,300	---	---	2-1/4
				47	---	---	---	---	---	---	---	---	---	93,800	133,800		
S4V075	11	4-1/4	3	55	18,800	30,700	43,000	67,600	97,100	136,500	43	19,600	53,100	74,900	---	---	2-3/4
				42	---	---	---	---	---	---	---	---	132,300	188,300			
S5	17-1/2	5-1/2	4-5/8	37	75,500	123,000	174,600	275,500	391,000	552,200	24	57,000	155,600	219,600	---	---	9
				15	---	---	---	---	---	---	---	---	487,300	694,600			
S8	24	8	5-1/2	26	151,000	252,100	356,700	565,800	806,600	1,129,000	12	82,200	240,000	339,600	---	---	24
				1	---	---	---	---	---	---	---	---	785,500	1,107,000			

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

## SPREAD HEAD SIDE ENTRY FLAME BURNERS

**APPLICATION:** Side head side entry flame burners are used for intermediate sized pot heaters, bottom fired kettles and vats, air heaters, driers, process tills, crab cookers, etc. The larger sized S12S burners are also used for lead melters, boilers and very large driers.

**DESCRIPTION:** The heads of these burners are cylindrical in shape, tapering out at the top. The grid is designed to produce a wide relatively short flame. The larger sized S5S, S8S and S12S burners are equipped with integrally cast brackets, designed for mounting pilots. These burners do not come with pilots as standard units, consequently if a pilot is desired, your order should so state.

BURNER	AIR SHUTTER	SPUD	VENTURI
S4SV050	AS200	SP12L	V050
S4SV075	AS237	SP25L	V075
S5S	AS300	SP50L	V150
S8S	AS412	SP50L	V200
S12S	AS525	SP75L	V300



S4SV050, S4SV075

S5S, S8S, S12S



NOTE: See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS INCHES A B C			BURNER BTU CAPACITIES												WT. LBS.	
				LP-GAS						NATURAL GAS							
				ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI		10 PSI
S4SV050	10	4-1/4	3	62	10,100	16,300	23,300	36,900	51,600	73,800	48	14,300	37,100	52,300	---	---	2-1/4
				47	---	---	---	---	---	---	---	---	---	93,800	133,800		
S4SV075	11	4-1/4	3	55	18,800	30,700	43,000	67,600	97,100	136,500	43	19,600	53,100	74,900	---	---	2-3/4
				42	---	---	---	---	---	---	---	---	132,300	188,300			
S5S	17-1/2	5-1/2	4-5/8	37	75,500	123,000	174,600	275,500	391,000	552,200	24	57,000	155,600	219,600	---	---	9
				15	---	---	---	---	---	---	---	---	487,300	694,600			
S8S	24	8	5-1/2	26	151,000	252,100	356,700	565,800	806,600	1,129,000	12	82,200	240,000	339,600	---	---	24
				1	---	---	---	---	---	---	---	---	785,500	1,107,000			
S12S	30-1/2	12	6-1/2	7/32	340,000	626,000	883,100	1,339,700	1,974,100	1,798,200	3/8"	320,000	945,500	1,338,300	---	---	51
				7/16"	---	---	---	---	---	---	---	---	2,880,200	4,073,100			

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

# BURNERS

## SPREAD HEAD SIDE ENTRY FLAME BURNERS - TWO VENTURIS

**APPLICATION:** Spread head side entry flame burners with two venturis are used for bottom fired kettles and vats, air heaters, large process stills, crab cookers, coil heaters, lead melters, boilers, large driers, etc. These burners are recommended for applications that require more heat than the one venturi burner can provide.

**DESCRIPTION:** The heads of these burners are cylindrical in shape, tapering out at the top. The grid is designed to produce a wide relatively short flame. Both the S8ST and the S12S2V burners are equipped with integrally cast brackets, designed for mounting pilots. These burners do not come with pilots as standard units, consequently if a pilot is desired, your order should so state.

BURNER	AIR SHUTTER	SPUD	VENTURI
S8S2V	AS412	SP50L	V200
S12S2V	AS525	SP75L	V300



S8ST, S12S2V



NOTE: See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS INCHES			BURNER BTU CAPACITIES												WT. LBS.	
				LP-GAS						NATURAL GAS							
	A	B	C	ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI		10 PSI
S8S2V	30	8	5-1/2	2 @ 30	230,600	376,300	533,800	846,200	1,205,400	1,687,500	2 @ 10	183,100	504,100	712,800	1,127,300	1,592,800	34
S12S2V	36-1/2	12	6-1/2	2 @ 7/32"	340,000	1,089,700	1,539,900	2,447,700	3,477,700	4,883,100	2 @ 3/8"	640,000	1,891,000	2,676,600	4,247,600	5,993,200	70

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

## SPREAD HEAD SIDE ENTRY FLAME BURNERS - FOR AIR STREAMS

**APPLICATION:** These ported spread head side entry flame burners are designed to be mounted in an air system. These burners are used for nut dryers, grain dryers, aggregate dryers, etc.

**DESCRIPTION:** The large secondary port allows a much more rapid mixing of secondary air at the burner head, thus reducing overall length. This allows the burner system to be mounted to a squirrel cage air induction opening. Available heat is much more efficiently drawn into the system while the flame is kept safely away from bearings motors, etc. These burners are all equipped with integrally cast brackets designed for mounting pilots. These burners do not come with pilots as standard units, consequently if a pilot is desired, your order should so state.



S8STO, S12SO

S8S2VO, S12S2VO



NOTE: See page 18 for flame characteristics.

BURNER	AIR SHUTTER	SPUD	VENTURI
S8SO	AS412	SP50L	V200
S12SO	AS525	SP75L	V300
S8S2VO	AS412	SP50L	V200
S12S2VO	AS525	SP75L	V300

MODEL NUMBER	DIMENSIONS INCHES			BURNER BTU CAPACITIES												WT. LBS.	
				LP-GAS						NATURAL GAS							
	A	B	C	ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI		10 PSI
S8SO	24	8	5-1/2	26	151,000	252,100	356,700	565,800	805,600	1,129,000	12	82,200	240,000	339,600	---	---	24
S12SO	30-1/2	12	6-1/2	15/64"	340,000	626,000	838,100	1,339,700	1,974,100	2,798,300	3/8"	320,000	945,500	1,338,300	---	---	51
											7/16"	---	---	---	2,880,200	4,073,100	
S8S2VO	30	8	5-1/2	2 @ 30	230,600	376,300	533,800	846,200	1,205,400	1,687,500	2 @ 10	183,100	504,200	712,800	1,127,300	1,592,800	34
S12S2VO	36-1/2	12	6-1/2	2 @ 7/32"	340,000	1,089,700	1,539,900	2,447,700	3,477,700	4,883,100	2 @ 3/8"	640,000	1,891,000	2,676,600	4,247,600	5,993,200	70

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

# BURNERS

## SPREAD HEAD SIDE ENTRY FLAME BURNERS - MULTIPLE HEADS

**APPLICATION:** Spread head side entry flame burners with multiple head assemblies are used for intermediate sized pot heaters, bottom fired kettles and vats, air heaters, driers, process stills, crab cookers, etc.

**DESCRIPTION:** The multiple head assembly burner is advantageous on applications that require burner heat over a large area than the single burner can provide. The heads of these burners are cylindrical in shape, tapering out at the top. The grid is designed to produce a wide relatively short flame. The larger sized S5 and S8 burners are equipped with integrally cast brackets, designed for mounting pilots. These burners do not come with pilots as standard units, consequently if a pilot is desired, your order should so state.



S4075X2, S5125X2



NOTE: See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS INCHES		BURNER BTU CAPACITIES												WT. LBS.	
			LP-GAS						NATURAL GAS							
	A	B	ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI		10 PSI
S4075X2	*	3-3/4	57	12,900	21,000	29,500	---	---	---	46	16,300	43,600	68,800	---	---	10
			56	---	---	---	53,300	78,700	110,700	44	---	---	---	98,100	139,600	
S4075X3	*	3-3/4	55	18,800	30,700	43,000	---	---	---	43	19,600	53,100	74,900	---	---	13
			54	---	---	---	75,000	105,700	148,800	42	---	---	---	132,300	188,300	
S5125X2	*	4	34	86,200	141,500	199,200	---	---	---	14	81,200	223,200	316,200	---	---	14
			32	---	---	---	344,400	492,000	688,800	12	---	---	---	539,400	759,700	
S5125X3	*	4	32	94,000	153,800	217,700	---	---	---	9	94,100	258,800	366,400	---	---	20
			30	---	---	---	423,100	602,700	843,800	8	---	---	---	596,100	843,200	

\* DIMENSION VARIES WITH CUSTOMER SPECIFICATIONS.

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

## PILOT BURNERS

**APPLICATION:** Pilot burners are small burners used to light large burners when spark ignition or pilot lights are too "cold". Burning constantly or lighted prior to the main burners, they provide a long pointed or short and wide flame pattern depending on the application.

**DESCRIPTION:** The B1S and B1SSC, with a long pointed flame are used on straight short flame burners and immersion tube burners. P8S and P8SSC, with a wide relatively short flame, are used on spread head and large straight shot flame burners. The "SC" denotes "Single Coupled", that is, the burner head is drilled and tapped to allow for a thermocouple with 7/16 - 27 male connection.

Burners and/or pilot assemblies placed in an air stream must use a P8SSCA pilot burner. The "A" denotes an air shutter which is cupped over the venturi end so the pilot flame will not be blown out.

**IMPORTANT:** Whenever ordering pilots always specify the type of burner it will be used with and the type of gas and pressure to be used. In addition, because flame height is critical for good pilot burner operation and safety, a separate needle valve should always be used in the pilot burner gas supply line.



NOTE: See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS * INCHES		ORIFICE **				DESCRIPTION	WT. LBS.
			HIGH PRESSURE		LOW PRESSURE			
	A	B	LPG	N.G.	LPG	N.G.		
B1S	5-1/4	2	77	66	77	66	Consists of a separate burner head and venturi. Comes complete with orifice, air shutter and locking.	13 oz.
B1SSC	4-3/4	2-3/4	77	66	77	66	Same as above except burner head is a side entry venturi type to allow for 7/16" - 27 male thermocouple connection.	1
P8S	5-1/4	2-3/4	76	65	76	65	Produces a wide flame.	1-1/2
P8SSC	10-3/4	3-1/2	76	65	76	65	Produces a wide flame and provides thermocouple connection.	2-1/2
P8SSCA	10-3/4	3-1/2	76	65	76	65	Produces a wide flame, has thermocouple connection and cupped air shutter.	2-1/2

\* Pilot burner dimensions may vary upon application.

\*\* Pilot burner gas supply line should incorporate a needle valve to regulate flame height.

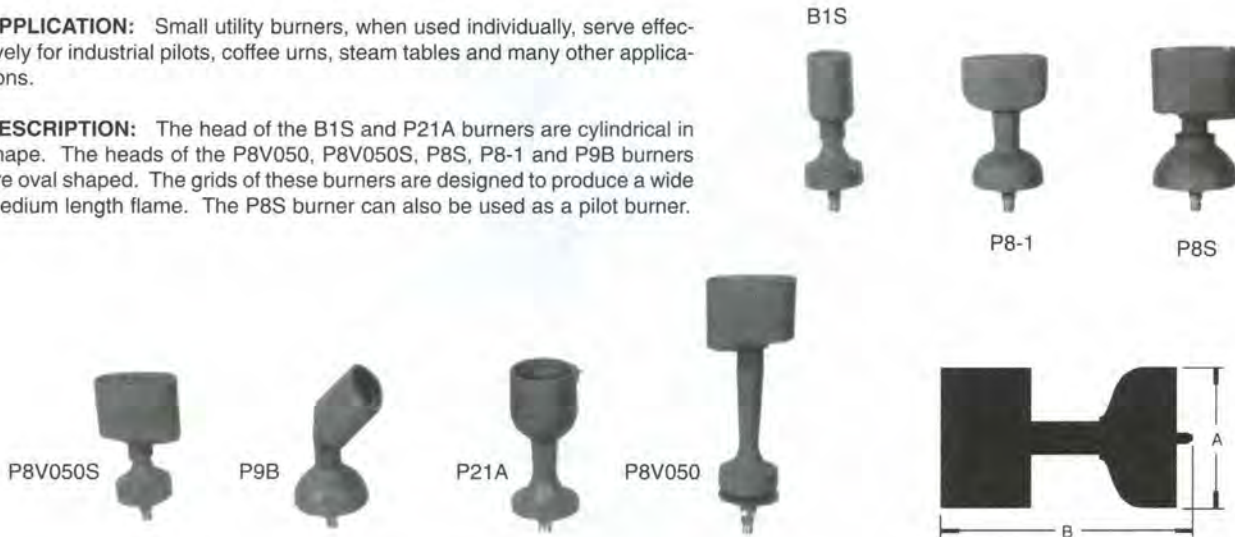
**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

# BURNERS

## SMALL UTILITY BURNERS

**APPLICATION:** Small utility burners, when used individually, serve effectively for industrial pilots, coffee urns, steam tables and many other applications.

**DESCRIPTION:** The head of the B1S and P21A burners are cylindrical in shape. The heads of the P8V050, P8V050S, P8S, P8-1 and P9B burners are oval shaped. The grids of these burners are designed to produce a wide medium length flame. The P8S burner can also be used as a pilot burner.



**NOTE:** See page 18 for flame characteristics.

MODEL NUMBER	DIMENSIONS INCHES		BURNER BTU CAPACITIES													WT. LBS.
			LP-GAS							NATURAL GAS						
			ORIFICE	11" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	20 PSI	ORIFICE	7" W.C.	1 PSI	2 PSI	5 PSI	10 PSI	
B1S	1-7/8	5	74	2,900	5,700	8,200	---	---	---	60	3,900	10,900	15,200	---	---	1-1/4
			77	---	---	---	8,100	11,500	16,200	62	---	---	---	21,800	30,500	
P8-1	2-7/8	5	74	2,900	5,700	8,200	---	---	---	60	3,900	10,900	15,200	---	---	2
			76	---	---	---	8,100	11,500	16,200	65	---	---	---	18,100	26,100	
P8S	2-5/8	5-1/4	73	3,300	6,500	9,200	---	---	---	60	3,900	10,900	15,200	---	---	1-3/4
			76	---	---	---	10,000	14,200	20,000	65	---	---	---	18,100	26,100	
P8V050	2-5/8	7-3/4	69	4,900	9,200	14,000	---	---	---	56	5,200	14,500	20,300	---	---	1-1/2
			72	---	---	---	16,000	22,500	32,000	58	---	---	---	26,100	37,800	
P8V050S	2-5/8	5	72	4,600	7,100	10,000	---	---	---	58	4,300	11,900	16,700	---	---	1-1/4
			75	---	---	---	13,000	18,400	25,800	60	---	---	---	24,000	34,100	
P9B	3-1/4	5-1/2	74	2,900	5,700	8,200	---	---	---	60	3,900	10,900	15,200	---	---	1-1/4
			76	---	---	---	10,000	14,200	20,000	65	---	---	---	18,100	26,100	
P21A	2-1/4	5-3/4	66	6,300	12,500	17,500	---	---	---	54	7,300	19,600	27,600	---	---	1-3/4
			69	---	---	---	21,600	30,700	43,000	56	---	---	---	32,700	46,500	

**IMPORTANT:** When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.

## SMALL UTILITY BURNERS MANIFOLD

**APPLICATION:** Small utility burners can be manifolded together in many ways to obtain the required BTU input and type of flame pattern desired. The manifolded burners are used for core ovens, bake ovens, ceramic ovens, furnaces, metal melters, vats, tanks and many other applications.

**DESCRIPTION:** The two types of manifolds are (1) individual venturi burners which are mounted to a pipe tapped for a 1/8" MNPT connection. (2) Single venturi manifold burner systems where burner heads are mounted to a pipe and fed by a single venturi. This type of manifold draws primary combustion air from outside the firebox. When manifolding burners, they should be spaced close enough together so that one burner will immediately ignite the one next to it.



MODEL NUMBER	DESCRIPTION
P8X	Individual venturi burner manifold system (consult factory for required data)
P8SX	Single venturi burner manifold system (consult factory for required data)

**IMPORTANT:** All manifold assemblies are available on a custom order basis. All manifold prices will be quoted upon request. When ordering burners, it is important that you specify the type of gas to be used as well as the gas pressure(s) at which the burners may be operated. For manufactured gas, state the BTU quality and specific gravity.