



BASO Gas Products LLC

L61, L62 Series BASO® Pilot Switch



L61LL-1



L62AA-5



L62GB-3

Description

The L61 and L62 Series pilot switches are for use on standing pilot equipment that requires main burner shutoff when the pilot flame heating the thermocouple is extinguished. Typical applications include domestic central heating, commercial space heating appliances, industrial processing equipment, commercial cooking equipment, and similar applications. The L61LL-1 and L62AA-5 are for use with natural gas only. The L62GB-3 may be used with natural gas and LP gas, at pressures up to 0.5 psi.

The L61LL-1 is the universal replacement for BASO 860-1, 861-1, 960-1, 961-1 and L61LL-2 and 3 controls. The L62AA-5 replaces BASO 850-1 and L62AA-1 through 8. The L62GB replaces BASO 853-1 through 6 and L62EA models. A universal mounting bracket is included with the L62GB-3 to permit replacing other competitive models.

Specifications

- Permissible ambient (surface) temperature is -40 to 150°F (-40 to 66°C) for models L61LL-1 and L62AA-5
- -40 to 175°F (-40 to 80°C) for L62GB-3
- Use Johnson Controls K15, K16, and K19 thermocouple

Agency Listing

- CSA (AGA/CGA) Certificate Number 229521-1656085
- UL Recognized File Number MH2926

To Order

To order genuine BASO products, call 1-877-227-6427 (1-877-BASOGAS). Specify the code number from the following selection chart.

Selection Chart

Code Number	Reset	100% Shutoff	Switch Action	Electrical Ratings
L61LL-1	Automatic	No	SPDT	At normally closed contact-125 VA pilot duty @12/240 VAC. At normally open contact-8 amp, 120 VAC; 4 amp, 240 VAC; 1/4 hp @ 120/240 VAC
L62AA-5^(a)	Manual	No	SPST	8 amp, 125 VAC; 3 amp, 250 VAC; 0.06 amp, 230VDC; 1/4 hp @125/250 VAC
L62GB-3^(b)	Manual	Yes	SPST	8 amp, 125 VAC; 4 amp, 250 VAC; 125 VA pilot duty @ 120/240 VAC

(a) Replaces Honeywell C434A; ITT/General A100G542; White-Rodgers 30E02-1.

(b) Replaces Honeywell C591A; ITT/General A100G543.

L61/L62 Dimensions

Series Number	Height		Width		Length	
	in.	mm	in.	mm	in.	mm
L61LL-1	3.9	99	3.4	86	2.2	56
L62AA-5	4.2	107	2.6	66	1.3	33
L62GB-3	3.4	86	2.8	71	2.0	51



BASO Gas Products LLC

Y57 Series BASO® High Voltage/Flame Sensor Cables



Y57 High Voltage Cable



Y57 Flame Sensor Cable

Description

The Y57 high voltage cable is used in electronic ignition applications and connects the ignition control with the pilot burner spark electrode.

The Y57 flame sensor cable is used in electronic ignition applications and connects the ignition control with the flame sensor.

Specifications

- Silicone and Teflon high voltage wire maximum temperature is 482°F
- Silicone flame sensor wire maximum temperature is 302°F

Agency Listing

- None

To Order

To order genuine BASO products, call 1-877-227-6427 (1-877-BASOGAS). Specify the code number from the following selection chart.

Other models may be made available depending upon customer requirements. Contact BASO Gas Products for availability of products not shown.

Selection Chart

Code Number	Cable Type	Wire Length	Wire Insulation	Terminals	Connector Style
Y57CQ-2	High Voltage	30 in. (762 mm)	5 mm Silicone	Angled Rajah and Pin	Angled
Y57FG-27	High Voltage	27 in. (686 mm)	5 mm Silicone	(2) Straight Rajah	(2) Straight
Y57FG-36	High Voltage	36 in. (914 mm)	5 mm Silicone	(2) Straight Rajah	(2) Straight
Y57HH-36	Flame Sensor	36 in. (914 mm)	18 AWG Silicone	(2) Female Straight Arkles	N/A
Y57HH-48	Flame Sensor	48 in. (1,219 mm)	18 AWG Silicone	(2) Female Straight Arkles	N/A
Y57HP-36	Flame Sensor	36 in. (914 mm)	18 AWG Silicone	(2) Female Straight Arkles	N/A
Y57JH-27	Flame Sensor	27 in. (686 mm)	18 AWG Silicone	(2) Female Straight Arkles	Insulated Terminals
Y57LH-36	High Voltage	36 in. (914 mm)	5 mm Silicone	(2) Female Straight Arkles	Insulated Terminals
Y57SV-32	High Voltage	32 in. (813 mm)	20 AWG Teflon	(2) Female Angled Rajah	Angled



BASO Gas Products LLC

Y70 Series BASO® Gas Valve Thread Grease



Description

The Y70 Series grease is especially compounded to provide excellent lubrication at temperatures ranging from 32 to 175°F. It does not run at high temperature and remains pliable at low temperature. The Y70 gas valve grease is available in 2-1/2 oz. net weight single tubes, in cartons containing 12 tubes, a one gallon container, a five gallon container, and a 55 gallon drum. BASO Gas Products now has available a single use container (see the Selection Chart).

Agency Listing

None

To Order

To order genuine BASO products, call 1-877-227-6427 (1-877-BASOGAS). Specify the code number from the following selection chart.

Selection Chart

Code Number	Description
Y70AA-1	One 2-1/2 oz. tube
Y70AA-2	Carton of 12 tubes
Y70AA-5	One gallon container
Y70AA-6	55 gallon drum
Y70AA-7	Five gallon container
Y70AA-8	Single use container



BASO Gas Products LLC

Y71 Series BASO® Combination Gas Valve Regulator Conversion Kit

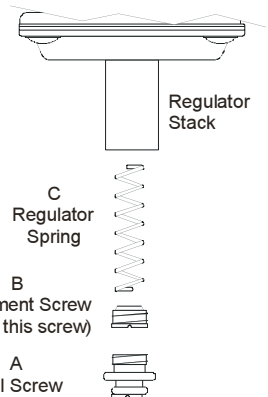


Regulator Conversion Kit

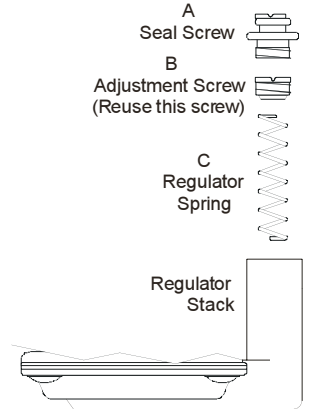


Non-Regulating Conversion Kit

Bottom Adjust Regulator



Top Adjust Regulator



Description

The Y71 conversion kits are designed for use with all BASO G93, G96, G195, G196, and VLV gas valves. These conversion kits can be used to change a regulator from natural gas to LP gas or from LP gas to natural gas operation. The Y71AA kit can also be used to convert from a regulating valve to a non-regulating valve.

Each regulating Y71 conversion kit contains the following:

- (1) regulator spring
- (1) seal screw
- (1) caution label

The non-regulating Y71 conversion kit contains the following:

- (1) blank plate
- (1) gasket
- (4) self-tapping mount screws
- (1) caution label

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To Order

To order genuine BASO products, call 1-877-227-6427 (1-877-BASOGAS). Specify the code number from the following selection charts.

Selection Chart

Code Number	Regulator Adjustment Type	Conversion
Y71GF-4	Top Adjust	Natural Gas to LP Gas Regulation
Y71GF-3	Bottom Adjust	Natural Gas to LP Gas Regulation
Y71QH-2	Top Adjust	LP Gas to Natural Gas Regulation
Y71QH-3	Bottom Adjust	LP Gas to Natural Gas Regulation
Y71AA-5	Top or Bottom Adjust	Natural or LP Regulation to Non-Regulation



BASO Gas Products LLC

Y75 Series BASO® Flame Sensor



Y75AA



Y75EG



Y75RJ

Description

The Y75 Series flame sensors may be used to replace broken or damaged sensing probes in various electronic ignition control systems.

The Y75AA, Y75AH and Y75BA are individually (1) packed in a plastic bag. The Y75AS and Y75BS are packed two per plastic bag. The Y75EG and Y75RJ are individually (1) packed in a box.

Agency Listing

- CSA (AGA/CGA) Certificate Number 229521-1656071

To Order

To order genuine BASO products, call 1-877-227-6427 (1-877-BASOGAS). Specify the code number from the following selection chart.

Other models may be made available depending upon customer requirements. Contact BASO Gas Products for availability of products not shown.

Selection Chart

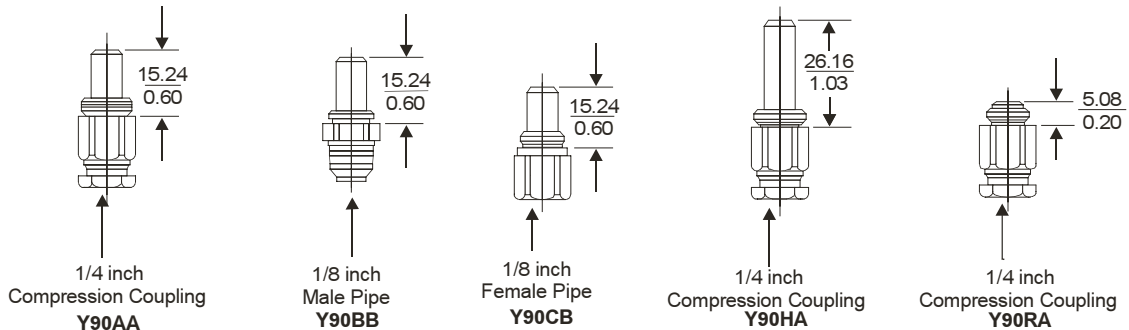
Code Number	Mounting Type	Terminals	Electrode Protrusion Outside Ceramic
Y75AA-2	Nut 7/16-27 Thread	Male Spade Straight	1-5/32 in.
Y75AA-3	Nut 7/16-27 Thread	Male Spade Bent 90°	1-5/16 in.
Y75AA-4	Nut 7/16-27 Thread	Male Spade Straight	1-13/32 in.
Y75AA-5	Nut 7/16-27 Thread	Male Spade Straight	3-3/16 in.
Y75AA-10	Nut 7/16-27 Thread	Male Spade Bent 90°	1-1/32 in.
Y75AH-1	Spring Clip	Male Spade Straight	1-5/32 in.
Y75AH-2	Spring Clip	Male Spade Straight	7/8 in.
Y75AS-1*	Nut 7/16-27 Thread	Male Spade Bent 90 Degree	1-5/16 in.
Y75AS-2*	Nut 7/16-27 Thread	Male Spade Straight	1-13/32 in.
Y75BA-1	Nut 7/16-27 Thread	Male Spade Straight	57/64 in.
Y75BA-3	Nut 7/16-27 Thread	Male Spade Straight	1-13/32 in.
Y75BA-4	Nut 7/16-27 Thread	Male Spade Straight	11/16 in.
Y75BS-1*	Nut 7/16-27 Thread	Male Spade Straight	1-13/32 in.
Y75EG-1*	N/A	Threads on Probe and Electrode	N/A
Y75RJ-1*	N/A	Male Spade Straight Rajah	N/A

*Not CSA Recognized



BASO Gas Products LLC

Y90 Series BASO® Inlet Fitting



Description

The Y90 Series inlet fittings control the flow of gas to a pilot burner and are designed to be used with BASO pilot burners. The majority of BASO inlet fittings have two holes which control and direct the flow of gas to the burner. The gas flow from the two holes intersects. This unique feature causes turbulence and a better gas/air mixture for proper combustion.

Agency Listing

- CSA (AGA/CGA) Certificate Number 229521-1656071

To Order

To order genuine BASO products, call 1-877-227-6427 (1-877-BASOGAS). Select inlet fitting type number from the drawings above. Select the code number from the following selection chart.

Other models may be made available depending upon customer requirements. Contact BASO Gas Products for availability of products not shown.

Selection Chart

Code Number	Orifice Size (in.)	Type Gas
Y90AA 1/4" cc		
Y90AA-2208	.008	LP
Y90AA-3215	.015	Natural, LP
Y90AA-3218	.018	Natural
Y90AA-3221	.021	Natural
Y90AA-3223	.023	Natural
Y90AA-3225	.025	Natural
Y90AA-4207	.007	LP
Y90AA-4208	.008	LP
Y90AA-4209	.009	Natural, LP
Y90AA-4210	.010	Natural, LP
Y90AA-4211	.011	Natural, LP
Y90AA-4212	.012	Natural, LP
Y90AA-4213	.013	Natural, LP
Y90AA-4214	.014	LP
Y90AA-4215	.015	LP
Y90AA-5232	.032	Natural
Y90AA-6221	.021	Natural
Y90AA-7218	.018	Natural
Y90AA-7221	.021	Natural
Y90AA-7223	.023	Natural
Y90AA-7225	.025	Natural
Y90BB 1/8" MALE PIPE		
Y90BB-3318	.018	Natural
Y90BB-3321	.021	Natural
Y90BB-3323	.023	Natural

Code Number	Orifice Size (in.)	Type Gas
Y90BB 1/8" MALE PIPE (cont.)		
Y90BB-3325	.025	Natural
Y90BB-4309	.009	LP
Y90BB-4310	.010	Natural, LP
Y90BB-4311	.011	Natural, LP
Y90BB-4312	.012	Natural, LP
Y90CB 1/8" FEMALE PIPE		
Y90CB-3418	.018	Natural
Y90CB-3421	.021	Natural
Y90CB-3423	.023	Natural
Y90CB-3425	.025	Natural
Y90CB-4410	.010	Natural, LP
Y90CB-4411	.011	Natural, LP
Y90CB-4412	.012	Natural, LP
Y90CB-7421	.021	Nat.
Y90HA 1/4" cc EXTENDED		
Y90HA-4707	.007	LP
Y90HA-4709	.009	LP
Y90HA-4710	.010	Natural, LP
Y90HA-4711	.011	Natural, LP
Y90HA-4712	.012	Natural, LP
Y90HA-6721	.021	Natural
Y90HA-7718	.018	Natural
Y90HA-7721	.021	Natural
Y90HA-7723	.023	Natural
Y90HA-7725	.025	Natural
Y90RA 1/4 CC		
Y90RA-9852	.008	Natural



BASO Gas Products LLC

Y99AP BASO® Valve Connection Reducer Kits



Description

The Y99 valve connection reducer kit allows easy conversion of any valve or regulator pipe connections in the field. The kit does not alter the overall face-to-face dimensions. The kit contains BASO brand grease, a wrench, and four male and female bushings. Each kit is individually packed in a plastic bag.

Agency Listing

None

To Order

To order genuine BASO products, call 1-877-227-6427 ((1-877-BASOGAS) Specify the code number from the following selection chart.

Selection Chart

Code Number	Reducer Size
Y99AP-1	1/2 in. male to 3/8 in. female
Y99AP-2	3/4 in. male to 1/2 in. female



BASO Gas Products LLC

Y99AR BASO® Pilot Burner Tubing and Fittings



Description

The Y99AR-1 pilot burner tubing is a convenient way to stock and sell 1/4 in. outside diameter (O.D) tubing. The pilot burner tubing is packed in a plastic bag with four 1/4 in. cc fittings. The 1/4 in. cc fittings are also sold separately, 50 fittings per carton. The Y99AR-2 is 1/8 in. pilot burner tubing packed with two fittings. Other fittings are also available (see Fitting Selection Chart).

Agency Listing

None

To Order

To order genuine BASO products, call 1-877-227-6427 (1-877-BASOGAS) Specify the code number from the following selection charts.

Other models may be made available depending upon customer requirements. Contact BASO Gas Products for availability of products not shown.

Selection Chart

Code Number	Description
Y99AR-1	1/4 in. x 60 in. aluminum pilot gas tube
Y99AR-2	1/8 in. x 18 in. aluminum pilot gas tube

Fitting Selection Chart

Code Number	Description	Package Quantity
R219-7	Elbow, 1/8 NPT x 1/4 cc with nut	25
R43283-2	1/4 in. compression coupling	50
KIT10A-600	3/16 in. compression coupling	50



BASO Gas Products LLC

Y99AB-4 BASO® Test Kit



Description

The Y99AB-4 test kit combines four test functions to enable service contractors to test thermocouples and BASO controls in the field. These four functions are:

- **Millivoltmeter** with 0 to 50 and 0 to 1000 ranges for checking the open and closed circuit millivoltage of thermocouple leads.
- **Performance Tester** with a source of power for holding open BASO power units while taking open circuit millivolt readings of the thermocouple when the main burner is in operation.
- **Milliammeter** with a 0 to 500 (50 on scale) range for checking the current dropout range of BASO power unit assemblies. (Ten milliamperes for each division on the dial.)
- **Continuity Tester** for detecting a broken or open circuit.

General Instructions

When using the test kit, insert plugs securely and squarely into jacks. Thermocouple adapters and nuts must be clean and tight. Any meter fluctuation caused by the movement of these parts may be due to loose connections. Poor connections cause false readings. Three "D" size batteries are required.

Agency Listing

None

To Order

To order genuine BASO products, call 1-877-227-6427 (1-877 BASOGAS). Specify the code number from the following selection chart.

Selection Chart

Code Number	Description
Y99AB-4	Test Kit