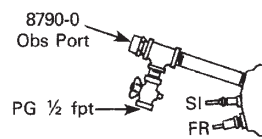
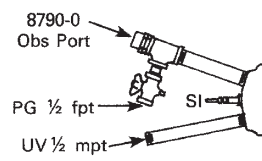


‡ Add 6" to dimension "A" when special hard refractory insulation is specified (for higher flame temperatures).

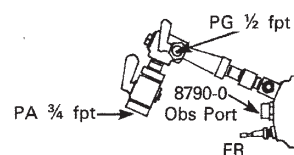
Pilot/Flame Supervision Options



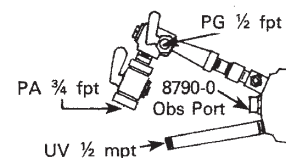
Option 1 – Raw Gas Pilot/Flame Rod



Option 2 – Raw Gas Pilot/UV



Option 3 – Premix Pilot/Flame Rod

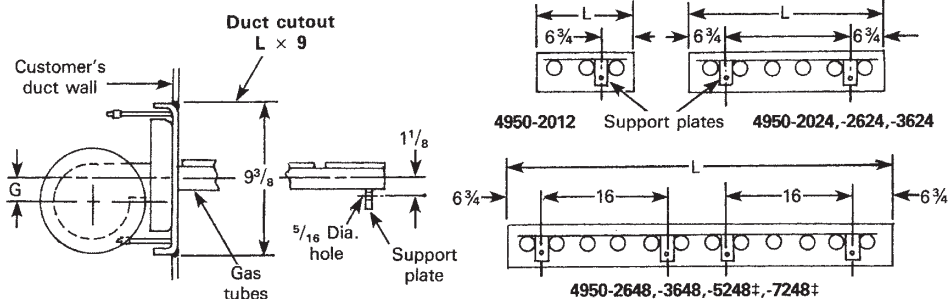


Option 4 – Premix Pilot/UV

Explanation of Abbreviations Above

- FR – Flame Rod
- Obs – Observation Port
- PA – Pilot Air Connection
- PG – Pilot Gas Connection
- SI – Spark Igniter
- UV – UV Adapter Tube

Support plate locations (below), viewing burner from ends of gas tubes



U. S. Patent No. 3,524,632

Burner designation	dimensions in inches										Wt, lb
	A	B	C	D	E	F	G	H	L	M	
4950-0812	8	12	2	4 1/2	4 3/4	2 3/4	1/2	-	17 1/2	3 7/8	65
4950-1212	12	12	2	4 1/2	4 3/4	2 3/4	1/2	-	17 1/2	3 7/8	75
4950-1412	14	12	2	4 1/2	4 3/4	2 3/4	1/2	-	17 1/2	3 7/8	80
4950-2012	20	12	2	4 1/2	4 3/4	2 3/4	1/2	13 1/8	17 1/2	3 7/8	90
4950-1424	14	24	4	5 1/4	3 5/8	1 3/8	1 3/8	-	29 1/2	4 1/8	150
4950-2024	20	24	4	5 1/4	3 5/8	1 3/8	1 3/8	18 7/8	29 1/2	4 1/8	170
4950-2624	26	24	4	5 1/4	3 5/8	1 3/8	1 3/8	18 7/8	29 1/2	4 1/8	200
4950-3624	36	24	4	5 1/4	3 5/8	1 3/8	1 3/8	16 7/8	29 1/2	4 1/8	240
4950-2648	26	48	4	5 1/4	3 5/8	1 3/8	1 3/8	18 7/8	53 1/2	4 3/8	370
4950-3648	36	48	4	5 1/4	3 5/8	1 3/8	1 3/8	16 7/8	53 1/2	4 3/8	450
4950-5248†	52	48	4	5 1/4	3 5/8	1 3/8	1 3/8	18 7/8†	53 1/2	4 3/8	740
4950-7248†	72	48	4	5 1/4	3 5/8	1 3/8	1 3/8	16 7/8†	53 1/2	4 3/8	900

† 4950-5248 and -7248 each consist, respectively, of two 4950-2648 and -3648 Burners inserted into opposite sides of the duct so the grids abut. These burners are furnished with crossover plates to ensure grid alignment and ignition from one side to the other. Each half of burner has a pilot/flame supervisory mounting pad, but a single pilot and flame detector can serve the entire burner assembly. Both gas manifolds should be connected to a common supply line--6" pipe is recommended.

‡ Support plates are furnished only on one half of 4950-5248 and -7248 Burners

To order, specify: 4950-(size designation)-(flame detector/pilot option).

Example: 4950-0812 Burner Complete w/Option 2 Pilot Assembly.

- Option numbers are:
1. Raw Gas Pilot/Flame Rod
 2. Raw Gas Pilot/UV Adapter
 3. Premix Pilot/Flame Rod
 4. Premix Pilot/UV Adapter
 5. Any other arrangement--give details when ordering.

Orders must specify minimum oxygen content (wet basis), maximum water vapor content, and temperature of fume stream at burner inlet.

Example: 4950-2012 Burner with Option 2 Pilot Assembly. Fume stream contains 18% oxygen (wet basis) and 11% water vapor at 400°F.

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