

Capacity | 4011/4021 Pilot

Table 1

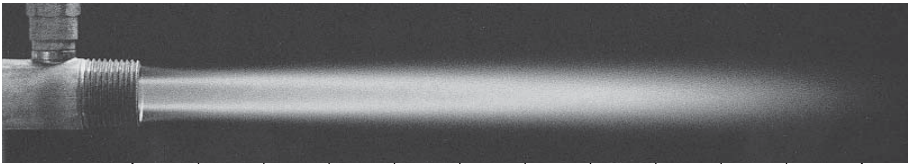
4021 Mixture P. "w.c. (mbar)	4031 Inlet Air P. "w.c. [osi] (mbar)	4031 Mixer DP "w.c. (mbar)	Air Flow scfh (Nm3/h)	Capacity Btu/h HHV (kW LHV)	Flame Length inches (mm)
1" (2.5)	2.9" [1.7] (7)	1.9" (5)	120 (3.4)	12,000 (3.5)	5" (130)
2" (5.0)	5.8" [3.4] (14)	3.8" (9)	165 (4.7)	16,000 (4.7)	7" (180)
4" (10)	12.0" [6.9] (30)	8.0" (20)	245 (6.9)	24,000 (7.0)	8" (200)
7" (17)	22.5" [12.9] (56)	15.5" (39)	325 (9.2)	32,000 (9.4)	9" (230)
9" (20)	29" [16.6] (72)	20" (50)	370 (10.5)	36,000 (10.5)	10" (250)
12" (30)	38" [22.2] (95)	26" (65)	425 (12)	42,000 (12.3)	10" (250)

Table 1 above, and the figures below show pressures and capacity data for all 4011 pilot sets while burning. Note that these pressures, flows and flame lengths will vary depending on air/fuel ratio and burner mounting geometry, For most application set the air pressure into the 4031 mixer to 6-8 osi (10.5-14"w.c.) or mixture pressure to 3-5"w.c.

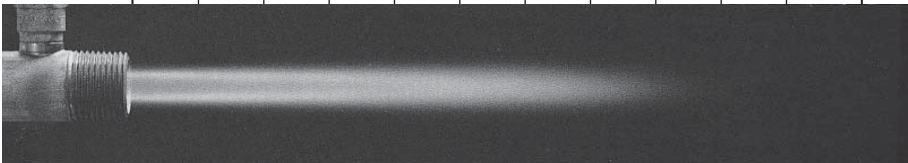
Maximum Mixture Pressure for stability or lighting with a cold tip firing in the open:

4021-12, 14, 16 (spark ignited) 12"w.c. / 4021-11, 13, 15 (manual) 9"w.c.

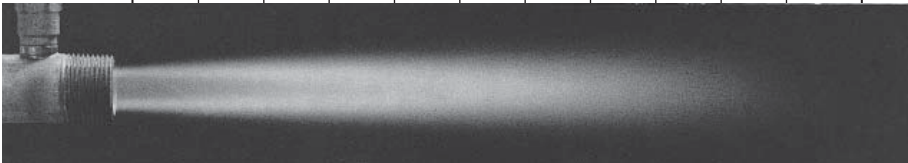
4021 PILOT FLAMES



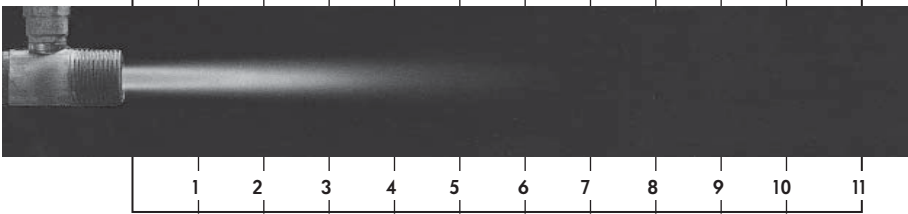
Stoichiometric ratio and 7"w.c. mixture pressure, produced by 16 osi air into 4031 Mixer -- 30,000 Btu/h HHV.



The same 7"w.c. mixture pressure with air/gas ratio set at 25% excess air.



The same 7"w.c. mixture pressure with air/gas ratio set at 15% excess fuel.



Stoichiometric ratio and 1"w.c. mixture pressure (12,500 Btu/h HHV).

Scale: length in inches