

Injector Selection Table for Propane Gas

Gas at 25 Lbs. Pressure; Approximate Mixture Pressure of .9" w.c.*;

2500 B.T.U.; 1.55 Specific Gravity; 25.0 Air-Gas Ratio

Based on 100% Air Entrainment thru Injector

Capacity CF/HR at 25 Lbs.	Catalog Number Injectors	Suggested burner area in square inches when using various types of burners at coefficient of discharge shown				100% Coefficient Discharge Burner
		Walltites 125%	Drilled Round Nose 87%	Sticktite or Ferrofix 75%	Blast Tips 60%	
25	H54 —68	.346	.498	.578	.72	.432
50	H65 —57	.669	.96	1.115	1.39	.836
75	H86 —55	.965	1.39	1.615	2.02	1.21
100	H86 —53	1.29	1.85	2.15	2.69	1.61
125	H108 —51	1.61	2.32	2.7	3.37	2.02
150	H108 —48	1.98	2.85	3.31	4.14	2.48
175	H1210—46	2.35	3.37	3.91	4.90	2.93
200	H1210—44	2.69	3.86	4.49	5.61	3.36
250	H1612—41	3.32	4.78	5.55	6.92	4.15
300	H1612—37	3.92	5.64	6.55	8.16	4.9
350	H1612—33	4.68	6.70	7.8	9.76	5.85
400	H1612—31	5.20	7.50	8.70	10.86	6.51
450	H2016—30	6.0	8.60	10.0	12.50	7.5
500	H2016—29	6.68	9.60	11.15	13.90	8.35
550	H2016—28	7.2	10.35	12.0	15.00	9.0
600	H2016—26	8.0	11.5	13.32	16.70	10.0
650	H2420—23	8.6	12.35	14.3	18.00	10.75
700	H2420—20	9.35	13.50	15.6	18.55	11.70
750	H2420—19	9.95	14.30	16.60	20.80	12.45
800	H2420—18	10.4	15.00	17.30	21.70	13.0
850	H2420—16	11.30	16.30	18.85	23.65	14.18
900	H2420—15	11.70	16.85	19.50	24.50	14.65
950	H2420—13	12.4	17.8	20.60	26.0	15.5
1000	H2420—11	13.20	19.0	22.00	27.8	16.5

*Mixture Pressure:—The Mixture Pressure that can be developed will vary depending on piping conditions and draft and will vary directly with changes in Gas Pressure.

CORRECTION FACTORS FOR CAPACITIES AT OTHER THAN 25 LBS. PRESSURE

Pounds Pressure	1	2	3	4	5	6	7	8	9	10	11	12	13
Correction Factor20	.283	.346	.400	.467	.490	.530	.565	.600	.631	.664	.793	.721

Pounds Pressure	14	15	16	17	18	19	20	21	22	23	24	25
Correction Factor748	.775	.800	.825	.850	.881	.895	.915	.938	.96	.98	1.00