FOR ATOSA INTERNAL USE ONLY

Tech Guidance H-002

Subject: Gas Unit Requirements

Compatibility: All Gas Units

General:

All Installation information, BTU, and Hose size requirements. For region specific orifice sizing please reference the Altitude chart at the end of this document.

Model	#Of burners and control method	Gas Type	Intake-tube pressure with burner lit (in.W.C.)	BTU Per Burner B.T.U./h	Total BTU B.T.U./h	Burner Orifice Size
ACHP-2	2 pieces Independent control	Natural Gas	4	32,000	64,000	#37
		L.P. Gas	10	32,000	64,000	#51
ACHP-4	4 pieces Independent control	Natural Gas	4	32,000	128,000	#37
		L.P. Gas	10	32,000	128,000	#51
ACHP-6	6 pieces Independent control	Natural Gas	4	32,000	192,000	#37
		L.P. Gas	10	32,000	192,000	#51
ATCB-24	2 pieces Independent control	Natural Gas	4	35,000	70,000	#36
		L.P. Gas	10	35,000	70,000	#50
ATCB-36	3 pieces Independent control	Natural Gas	4	35,000	105,000	#36
		L.P. Gas	10	35,000	105,000	#50
ATCB-48	4 pieces Independent control	Natural Gas	4	35,000	140,000	#36
		L.P. Gas	10	35,000	140,000	#50

ATFS-40	3 pieces Integrated control	Natural Gas	4	34,000	102,000	#36
		L.P. Gas	10	30,000	90,000	#52
ATFS-50	4 pieces Integrated control	Natural Gas	4	34,000	136,000	#36
		L.P. Gas	10	30,000	120,000	#52
ATFS-75	5 pieces Integrated control	Natural Gas	4	34,000	170,000	#36
		L.P. Gas	10	30,000	150,000	#52

ATMG-24	2 pieces Independent control	Natural Gas	4	30,000	60,000	#37
		L.P. Gas	10	30,000	60,000	#51
ATMG-36	3 pieces Independent control	Natural Gas	4	30,000	90,000	#37
		L.P. Gas	10	30,000	90,000	#51
ATMG-48	4 pieces Independent control	Natural Gas	4	30,000	120,000	#37
		L.P. Gas	10	30,000	120,000	#51

ATTG-24	2 pieces Independent control	Natural Gas	4	25,000	50,000	#42
		L.P. Gas	10	25,000	50,000	#53
ATTG-36	3 pieces Independent control	Natural Gas	4	25,000	75,000	#42
		L.P. Gas	10	25,000	75,000	#53
ATTG-48	4 pieces Independent control	Natural Gas	4	25,000	100,000	#42
		L.P. Gas	10	25,000	100,000	#53

ATSP-18-1	1 set Independent control	Natural Gas	4	80,000	80,000	#32
		L.P. Gas	10	80,000	80,000	#49
ATSP-18-2	2 sets Independent control	Natural Gas	4	80,000	160,000	#32
		L.P. Gas	10	80,000	160,000	#49
ATSP-18-1L	1 set Independent control	Natural Gas	4	80,000	80,000	#32
		L.P. Gas	10	80,000	80,000	#49
ATSP-18-2L	2 sets Independent control	Natural Gas	4	80,000	160,000	#32
		L.P. Gas	10	80,000	160,000	#49

ATW-13	1 set Independent control	Natural Gas	5	95,000	95,000	#56
		L.P. Gas	10	95,000	95,000	#67
ATW-16	1 set Independent control	Natural Gas	5	110,000	110,000	#55
		L.P. Gas	10	110,000	110,000	#65

Model	Natural Gas: 5 Propane: 10 In.W.C.	Hot Plates	Griddle		Oven	Total BTU (B.T.U./h)
			U-Shape	I-Shape		
AGR	Burner Orifice Size	NG38	NG42	NG45	NG39	
		LP51	LP52	LP54	LP52	
	BTU Per Burner	32,000	27,000	21,000	24,000	
AGR-4B	Number of burners	4	-	-	1	152,000
AGR-24G		-	1	1	1	72,000
AGR-6B	Number of burners	6	-	-	1	219,000
AGR-4B-12GR AGR-4B-12GL		4	-	1	1	176,000
AGR-2B-24GR AGR-2B-24GL		2	1	1	1	139,000
AGR-36G		-	2	1	1	102,000
AGR-8B	Number of burners	8	-	-	2	304,000
AGR-6B-12GR AGR-6B-12GL		6	-	1	2	261,000
AGR-4B-24GR AGR-4B-24GL		4	1	1	2	224,000
AGR-2B-36GR AGR-2B-36GL		2	2	1	2	187,000
AGR-10B	Number of burners	10	-	-	2	374,000
AGR-8B-12GR AGR-8B-12GL		8	-	1	2	331,000
AGR-6B-24GR AGR-6B-24GL		6	1	1	2	294,000
AGR-4B-36GR AGR-4B-36GL		4	2	1	2	257,000
AGR-2B-48GR AGR-2B-48GL		2	3	1	2	220,000

Orifice Size at Sea Level (Original)	2000	3000	4000	5000	6000	7000	8000	9000	10000
32	33	34	35	35	36	36	37	38	40
33	35	35	36	36	37	38	38	40	41
34	35	36	36	37	37	38	39	40	42
35	36	36	37	37	38	39	40	41	42
36	37	38	38	39	40	41	41	42	43
37	38	39	39	40	41	42	42	43	43
38	39	40	41	41	42	42	43	43	44
39	40	41	41	42	42	43	43	44	44
40	41	42	42	42	43	43	44	44	45
41	42	42	42	43	43	44	44	45	46
42	42	43	43	43	44	44	45	46	47
43	44	44	44	45	45	46	47	47	48
44	45	45	45	46	47	47	48	48	49
45	46	47	47	47	48	48	49	49	50
46	47	47	47	48	48	49	49	50	50
47	48	48	49	49	49	50	50	51	51
48	49	49	49	50	50	50	51	51	52
49	50	50	50	51	51	51	52	52	52
50	51	51	51	51	52	52	52	53	53
51	51	52	52	52	52	53	53	53	54
52	52	53	53	53	53	53	54	54	54
53	54	54	54	54	54	54	55	55	55
54	54	55	55	55	55	55	56	56	56
55	55	55	55	56	56	56	56	56	57
56	56	56	57	57	57	58	59	59	60
57	58	59	59	60	60	61	62	63	63
58	59	60	60	61	62	62	63	63	64
59	60	61	61	62	62	63	64	64	65
60	61	61	62	63	63	64	64	65	65
61	62	62	63	63	64	65	65	66	66
62	63	63	64	64	65	65	66	66	67
63	64	64	65	65	65	66	66	67	68
64	65	65	65	66	66	66	67	67	68
65	65	66	66	66	67	67	68	68	69