



AQUAS™ PRODUCT SUMMARY

(AP) 285,000-850,000 BTU/HR

	AP-285	AP-400	AP-500	AP-600	AP-725	AP-850
WATER						
GALLON CAPACITY (BOILER)	4.9	13.0	12.0	12	17.0	16
HEATING SURFACE (SQ. FT.) (BOILER)	21.6	55.3	73.0	73.02	84.6	99.88
DRAIN	-	1" NPT	1" NPT	1" NPT	1" NPT	1" NPT
20°F ΔT WATER FLOW (GPM)	27	39	49	59	71	83
HEAD LOSS (FT. OF HD.)	2.42	3.5	4.8	4.4	4.9	5.7
40°F ΔT WATER FLOW (GPM)	-	20	24	29	35	41
HEAD LOSS (FT. OF HD.)	-	3	3	2.8	3	3.3
MAX. WORKING PRESSURE (PSI)	80	160	160	160	160	160
# OF RELIEF VALVES	1	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE RATING (MBH)	535,000	697,000	697,000	697,000	1,352,000	1,352,000
RELIEF VALVE PRESSURE RATING (PSI)	30	50	50	50	50	50
GAS						
INLET CONNECTION	1/2"	1"	1"	1"	1"	1"
MAX. INLET PRESSURE, NAT	14.0" w.c.	14"	14"	14"	14"	14"
MIN. INLET PRESSURE, NAT	4.0" w.c.	4"	5"	4"	4"	4"
MAX. INLET PRESSURE, LP	14.0" w.c.	14"	14"	14"	14"	14"
MIN. INLET PRESSURE, LP	8.0" w.c.	8"	8"	8"	8"	8"
BTU/HR INPUT	285,000	399,999	500,000	600,000	725,000	850,000
BTU/HR OUTPUT (HIGH FIRE)	270,750	392,000	489,000	585,000	705,000	824,500
BTU/HR OUTPUT (LOW FIRE)	27,075	39,200	48,900	83,571	100,714	117,785
ELECTRICAL						
VOLTAGE/HEATER	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24
TOTAL AMPS (BOILER & PUMPS)	<12	<12	<12	<12	<12	<12
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1
DIMENSIONS						
HEIGHT	46 1/2"	55 1/2"	55 1/2"	55 1/2"	56"	56"
WIDTH OF POOL HEX	28 1/2"	43 1/4"	43 1/4"	43 1/4"	44"	44"
WIDTH OF FRAME	15 3/4"	26 1/2"	26 1/2"	26 1/2"	26 1/2"	26 1/2"
DEPTH	34"	49"	49"	49"	49"	49"
SERVICE CLEARANCES						
FRONT	24"	30"	30"	30"	30"	30"
BACK OF PACKAGE	18"	18"	18"	18"	18"	18"
RIGHT SIDE OF BOILER	0"	0"	0"	0"	0"	0"
LEFT SIDE OF BOILER	0"	0"	0"	0"	0"	0"
TOP	24"	24"	24"	24"	24"	24"
POOL HEAT EXCHANGER (RECOMMEND ALL SIDES)	18"	18"	18"	18"	18"	18"
POOL HEAT EXCHANGER						
RECOMMENDED POOL WATER FLOW (GPM)	68	96	120	144	174	204
CONNECTION SIZE	2 1/2"	3"	3"	3"	4"	4"
DIRECT VENTING						
VENT SIZE	3"	4"	4"	4"	6"	6"
AIR INLET SIZE	3"	4"	4"	4"	4"	4"
VENT CATEGORY	IV	IV	IV	IV	IV	IV
VENT MATERIAL	PVC/CPVC/PP/SS PVC/CPVC/PP/SS PVC/CPVC/PP/SS PVC/CPVC/PP/SS PVC/CPVC/PP/SS PVC/CPVC/PP/SS					