



AQUAS™ PRODUCT SUMMARY

(XP) 399,999 - 800,000 BTU/HR

	XP-402	XP-502	XP-602	XP-702	XP-802
WATER					
GALLON CAPACITY (BOILER)	3.4	4.2	4.2	5.0	5.7
HEATING SURFACE (SQ. FT.)	41.8	50.8	50.8	57.8	65.3
POOL WATER CONNECTIONS	3"	3"	3"	4"	4"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"
30°F ΔT WATER FLOW (GPM)	26	32	38	45	51
HEAD LOSS (FT. OF HD.)	11	13	18	16	18
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160
# OF RELIEF VALVES	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE RATING (MBH)	697	697	697	1,352	1,352
RELIEF VALVE PRESSURE RATING (PSI)	50	50	50	50	50
GAS					
INLET CONNECTION	1"	1"	1"	1"	1"
MAX. INLET PRESSURE, NAT	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.
MIN. INLET PRESSURE, NAT	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MAX. INLET PRESSURE, LP	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.
MIN. INLET PRESSURE, LP	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
BTU/HR INPUT	399,999	500,000	600,000	700,000	800,000
BTU/HR OUTPUT (HIGH FIRE)	373,599	467,000	559,800	653,100	746,400
BTU/HR OUTPUT (LOW FIRE)	74,408	93,459	113,473	132,085	154,654
ELECTRICAL					
VOLTAGE/HEATER	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24
TOTAL AMPS (BOILER & PUMP)	4.5	4.7	7.7	8.4	8.4
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1
DIMENSIONS					
HEIGHT	45-3/4"	45-3/4"	46"	46"	46"
WIDTH / POOL HEX	43-1/4"	43-1/4"	43-1/4"	44"	44"
DEPTH	53"	57-1/2"	69"	74"	79"
SERVICE CLEARANCES					
FRONT	30"	30"	30"	30"	30"
BACK OF PACKAGE	0"	0"	0"	0"	0"
RIGHT SIDE	0"	0"	0"	0"	0"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"
TOP	24"	24"	24"	24"	24"
POOL HEAT EXCHANGER (RECOMMEND ALL SIDES)	18"	18"	18"	18"	18"
POOL HEAT EXCHANGER					
RECOMMENDED POOL WATER FLOW (GPM)	93	117	142	166	202
CONNECTION SIZE	2-1/2"	2-1/2"	2-1/2"	3"	3"
DIRECT VENTING					
SIZE	4"	4"	4"	6"	6"
VENT CATEGORY	IV	IV	IV	IV	IV
VENT MATERIAL	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS

Lochinvar, LLC • 300 Maddox Simpson Pkwy • Lebanon, TN 37090 • 615-889-8900 / Fax: 615-547-1000
www.Lochinvar.com

	XP-1002	XP-1302	XP-1502
WATER			
GALLON CAPACITY (BOILER)	8.4	10.0	11.4
HEATING SURFACE (SQ. FT.)	101.6	115.6	130.6
POOL WATER CONNECTION	4"	6"	6"
DRAIN	3/4"	3/4"	3/4"
30°F ΔT WATER FLOW (GPM)	38	45	51
HEAD LOSS (FT. OF HD.)	18	16	18
MAX. WORKING PRESSURE (PSI)	160	160	160
# OF RELIEF VALVES	1	1	1
RELIEF VALVE SIZE	1"	1"	1"
RELIEF VALVE RATING (MBH)	1,954	1,954	1,954
RELIEF VALVE PRESSURE RATING (PSI)	50	50	50
GAS			
INLET CONNECTION	1-1/2"	1-1/2"	1-1/2"
MAX. INLET PRESSURE, NAT	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, NAT	4" w.c.	4" w.c.	4" w.c.
MAX. INLET PRESSURE, LP	14" w.c.	14" w.c.	14" w.c.
MIN. INLET PRESSURE, LP	8" w.c.	8" w.c.	8" w.c.
BTU/HR INPUT	999,999	1,300,000	1,500,000
BTU/HR OUTPUT (HIGH FIRE)	941,000	1,238,000	1,445,000
BTU/HR OUTPUT (LOW FIRE)	94,100	124,000	144,300
ELECTRICAL			
VOLTAGE/HEATER	120	120	120
VOLTAGE/CONTROL	24	24	24
TOTAL AMPS (BOILER & PUMPS)	14.3	14.3	14.3
# OF ELECTRICAL CONNECTIONS	1	1	1
DIMENSIONS			
HEIGHT	59-1/2"	59-1/2"	59-1/2"
WIDTH OF POOL HEX	44"	45-1/4"	45-1/4"
DEPTH	79-3/4"	80-1/2"	84-1/2"
SERVICE CLEARANCES			
FRONT	30"	30"	30"
BACK OF PACKAGE	0"	0"	0"
RIGHT SIDE	0"	0"	0"
LEFT SIDE	0"	0"	0"
TOP	13"	13"	13"
POOL HEAT EXCHANGER (RECOMMEND ALL SIDES)	18"	18"	18"
POOL HEAT EXCHANGER			
RECOMMENDED POOL WATER FLOW (GPM)	243	316	364
CONNECTION SIZE	4"	6"	6"
DIRECT VENTING			
SIZE	6"	6" / 7"	6" / 7"
VENT CATEGORY	IV	IV	IV
VENT MATERIAL	PVC/CPVC/SS	PVC/CPVC/SS	PVC/CPVC/SS