



COPPER-FIN II[®] BOILER PRODUCT SUMMARY

(CH) 400,000 - 2,070,000 BTU/HR

	CH-0401	CH-0501	CH-0651	CH-0751	CH-0991	CH-1261	CH-1441	CH-1801	CH-2071
WATER									
GALLON CAPACITY	1.5	1.7	1.9	2.0	3.4	3.7	4.1	4.5	4.8
HEATING SURFACE (SQ. FT.)	46.9	59.0	76.8	88.1	96.0	120.2	144.0	176.0	200.0
WATER CONNECTIONS	2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
MAX. WATER FLOW RATE (GPM)	55	55	55	55	90	90	90	90	90
HEAD LOSS (FT. OF HD.)	6.4	6.5	6.7	6.8	5.8	6.6	7.2	8.4	9.2
MIN. WATER FLOW RATE (GPM) *	17	21	28	32	29	37	41	51	58
HEAD LOSS (FT. OF HD.) *	0.6	0.7	1.6	2.3	1.1	1.3	2.0	2.6	4.8
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160	160	160
# OF RELIEF VALVES	1	1	1	1	1	1	2	2	2
RELIEF VALVE SIZE	1"	1"	1"	1"	1"	1"	1"	1"	1"
RELIEF VALVE RATING (MBH)	1,352	1,352	1,352	1,352	1,352	1,352	1,352	1,352	1,352
RELIEF VALVE PRESSURE RATING (PSI)	50	50	50	50	50	50	50	50	50
GAS									
INLET CONNECTION	1-1/4"	1-1/4"	1-1/4"	1-1/4"	2"	2"	2"	2"	2"
MAX. INLET PRESSURE, NAT	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	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.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MANIFOLD PRESSURE, NAT	1.8" w.c.	1.8" w.c.	1.8" w.c.	1.8" w.c.	1.2" w.c.	1.2" w.c.	1.2" w.c.	1.2" w.c.	1.2" 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.	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.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
MANIFOLD PRESSURE, LP	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.	4.6" w.c.
BTU/HR INPUT	399,999	500,000	650,000	750,000	990,000	1,260,000	1,440,000	1,800,000	2,070,000
BTU/HR OUTPUT	339,999	425,000	552,500	637,500	841,500	1,071,000	1,224,000	1,530,000	1,759,500
ELECTRICAL									
VOLTAGE/HEATER	120	120	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24	24	24
TOTAL AMPS	6.3	6.3	8.8	8.8	10.5	10.5	14.0	14.0	14.0
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1	1	1
DIMENSIONS									
HEIGHT	31-1/2"	31-1/2"	31-1/2"	31-1/2"	36"	36"	36"	36"	36"
WIDTH	37-3/4"	45-1/2"	56-3/4"	64"	48-1/4"	58-1/2"	68-1/4"	82-1/4"	92-1/2"
DEPTH	22-1/4"	22-1/4"	22-1/4"	22-1/4"	33-1/2"	33-1/2"	33-1/2"	33-1/2"	33-1/2"
SERVICE CLEARANCES									
FRONT	24"	24"	24"	24"	30"	30"	30"	30"	30"
BACK	1"	1"	1"	1"	3"	3"	3"	3"	3"
RIGHT SIDE	1"	1"	1"	1"	3"	3"	3"	3"	3"
LEFT SIDE (PIPING)	24"	24"	24"	24"	24"	24"	24"	24"	24"
TOP	1"	1"	1"	1"	3"	3"	3"	3"	3"
VENTING									
SIZE	6"	6"	8"	8"	10"	12"	12"	14"	14"
VENT CATEGORY	I	I	I	I	I	I	I	I	I
VENT MATERIAL	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT
MAXIMUM DRAFT	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.
MINIMUM DRAFT	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.

* Minimum flow rate and head loss are based on a 40°F temperature rise for CH401-751 models and based on a 60°F temperature rise for CH0991-2071 models

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

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