



Lochinvar has a long history of innovation, and is proud to hold the patents listed below. The listing below is provided to serve as notice of patent coverage under the virtual patent marking provisions of 35 U.S.C. § 287(a). The patents in the following list may cover one or more of the products indicated. This list might not be all-inclusive, and other products not listed here may be covered by one or more patents. Additional patent applications may be pending, and additional patents may have issued, in the United States or elsewhere, that cover one or more of the products listed.

Product Type	Model	Patents
Fire Tube Boiler	Crest Boiler	US9097431
		US8844472
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
		US10161627
Heat Pump Storage Tank	THERMAL-STOR™; Outdoor THERMAL-STOR™	Patent(s) Pending
Immersion Thermostat	Standard Hi-Power®	US9435565
		US10544962
Surface Thermostat	Standard Hi-Power®	US9435565
		US10544962
Commercial Ultra-Low Nox	Charger	US8375897
Boiler	Epic	US9097431
		US8186313
		US8186312
		US7506617
		US11828474
		US11603996
		US11221150
		US10955169
		US10914475
		US10876741
		US10612795
		US10480826
		US10247446
Fire Tube Boiler	FTXL	USD715906
		USD715905
		US9097431
		US8186313

		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Fire Tube Wall Mount Boiler PG Heat Exchanger	KNIGHT[®]	US9097431
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Fire Tube Wall Mount Boiler VC Heat Exchanger	NOBLE Boiler / EPIC; EPIC[®]	US9097431
		US8186313
		US8186312
		US7506617
		US11828474
		US11603996
		US11221150
		US10955169
		US10914475
		US10876741
		US10612795
		US10480826
		US10247446
Heat Pump	Heat Pump	US8245669
		US10544944
Smart Hybrid Electric Heat Pump with Anti-Leak Technology	Heat Pump	US9267209
		US9057534
		US8977791
		US8660701
		US8245669
		US12007147
		US11300325
		US11009260
		US10544944
		US10240817
		Patent(s) Pending
Decarbonization Heat Pump	Heat Pump	US9267209
		US9057534

		US8977791
		US8660701
		US8245669
		US12007147
		US11300325
		US11009260
		US10544944
		US10240817
		Patent(s) Pending
Premium Smart Valve Heat Pump	Heat Pump	US9267209
		US9057534
		US8977791
		US8660701
		US8245669
		US12007147
		US11300325
		US11009260
		US10544944
		US10240817
		Patent(s) Pending
Grid-Capable	Grid-Capable	US9057534
		US8977791
		US8660701
		US8245669
		US10544944
		US10240817
Lowboy Top-Connect	Energy Saver	US8887671
		US8245669
Power Direct Vent Ultra-Low Nox	Ultra-Low NOx Power Direct Vent	US8881688
		US11543153
Power Vent Ultra-Low Nox	Ultra-Low NOx	US8881688
		US11543153
Standard Electric	Energy Saver	US8887671
		US8245669
Tankless Premium Condensing	XCalibur™	US11867428
		US11808453
		US11624512
Custom Vertical Round	X3; XCalibur™	US11624512
		Patent(s) Pending
Atmospheric Gas Water Heater	Copper-Fin	US9097431

		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Air Source Heat Pump Water Heaters	VERITUS™	Patent(s) Pending
Fire Tube Boiler	Crest with Hellcat™	US9097431
		US8844472
		US8186313
		US8186312
		US7506617
		US11885531
		US10247446
		US10161627
		Patent(s) Pending
Atmospheric Commercial Boiler	Copper-Fin	US9097431
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Commercial Gas Boiler	Copper-Fin	US9097431
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Commercial Gas Boiler	Copper-Fin II	US9097431
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Commercial Pool Heater	Copper-Fin 2	US9097431
		US8186313
		US8186312

		US7506617
		US10955169
		US10247446
Outdoor Condensing Boiler	Crest Boiler	US9097431
		US8844472
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
		US10161627
Fire Tube Boiler	FTXL Boiler	US9097431
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Commercial Boiler	KNIGHT® XL	US9097431
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Outdoor Condensing Gas Boiler	KNIGHT® XL	US9097431
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10247446
Copper-Tube Vertical Boiler	Power-fin	US9097431
		US8186313
		US8186312
		US7506617
		US10955169
		US10876741
		US10767900



		US10458677
		US10247446