CROWN
MEGA-STOR®

High Performance Stainless Steel Indirect Water Heater

LIMITED LIFETIME WARRANTY
CROWN BOILER CO.

The Standard in Indirect Water Heaters

www.CrownBoiler.com | Philadelphia, PA

Abundant domestic hot water powered by the same efficient boiler that heats your home or commercial building

Busy lifestyles demand lots of hot water – for showering the whole family, starting the dishwasher, putting a load of clothes in the washing machine and getting everybody out of the door on time.

Compare the performance of a Mega-Stor® to water heaters fueled by gas, electric or oil, and you'll see the advantage that comes with choosing hydronic products from Crown Boiler Co.

Mega-Stor® is indirectly heated for efficiency. The boiler that heats your home or building provides more energy, while consuming fuel more efficiently, than direct-fired domestic water heaters. So Mega-Stor saves on fuel costs by using hot water from your boiler to heat water for your showers.

Crown Mega-Stor® water heaters come in a variety of sizes from 26 to 119 gallons to meet every residential and commercial need. Mega-Stor® is engineered for performance, constructed of high quality materials inside and out, and finished attractively.

Space saving, horizontal 40- and 53-gallon Mega-Stors® can fit into crawl spaces, and can be stacked with most Crown boilers for an even smaller footprint using the optional mounting kit.

Mega-Stor® has a limited lifetime warranty.
Crown Boiler Co. warrants the Mega-Stor's® stainless steel tank and coil against leakage for as long as the original purchaser owns the home in which it is installed. Consult warranty for important terms and conditions.

CROWN MEGA-STOR®

Superior features and comfort come standard

Mega-Stor® has a removable inspection cap for easy access to the coil and tank. Plus, there's a drain at the bottom to flush out the tank if necessary.

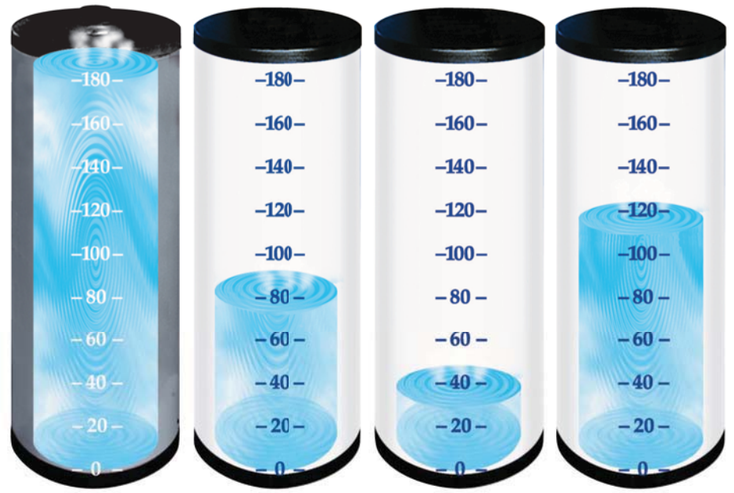
Mega-Stor® has a highly responsive Honeywell adjustable aquastat so that the water can be adjusted for your desired temperature.

Mega-Stor® heats water fast. With a smooth surfaced stainless steel coil that transfers heat throughout the tank, the recovery rate is up to three times more rapid than typical gas, electric or oil heaters.

Mega-Stor® keeps water hot. The two inch thick layer of polystyrene foam insulation keeps the water in your Mega-Stor® hot for hours during standby periods.

Mega-Stor's® tank is ruggedly made of stainless steel, TIG welded and passivated for superior durability.

Mega-Stor® indirect water heaters provide more gallons of water after an hour of heating than gas, electric or oil-fired water heaters. The heating coil throughout the tank, powered by the heating capacity of boiler, provides this superior performance as shown below.



MS-40 | 40 Gal. Gas | 40 Gal. Electric | 30 Gal. Oil Fired

How much hot water your Mega-Stor® will provide depends both on its size and on the heating capacity (the BTU per hour rating) of your boiler.

Volume of Hot Water Available During One Hour Starting with A Fully Recovered Tank (First Hour Rating) At 90ºF Rise

Model	60,000 BTU/hr Boiler	80,000 BTU/hr Boiler	100,000 BTU/hr Boiler	125,000 BTU/hr Boiler	150,000 BTU/hr Boiler	175,000 BTU/hr Boiler	200,000 BTU/hr Boiler	250,000 BTU/hr Boiler	300,000 BTU/hr Boiler
MS-26	103	126*	126*	126*	126*	126*	126*	126*	126*
MS-40	115	142	169	172*	172*	172*	172*	172*	172*
MS-53	127	154	181	200*	200*	200*	200*	200*	200*
MS-79	146	172	198	230	255*	255*	255*	255*	255*
MS-119	169	196	222	256	289	323	356	417*	417*
MSH-40H	115	135*	135*	135*	135*	135*	135*	135*	135*
MSH-53H	125	152	179	180*	180*	180*	180*	180*	180*

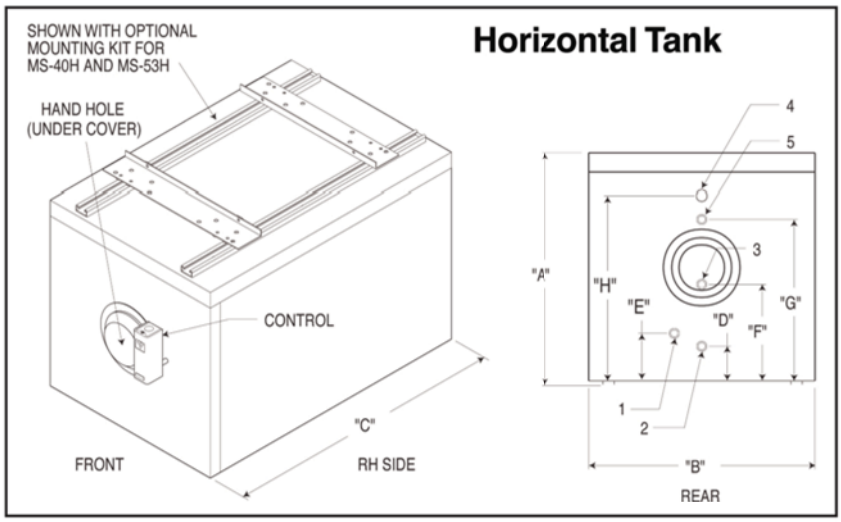
*Maximum Transfer Rates

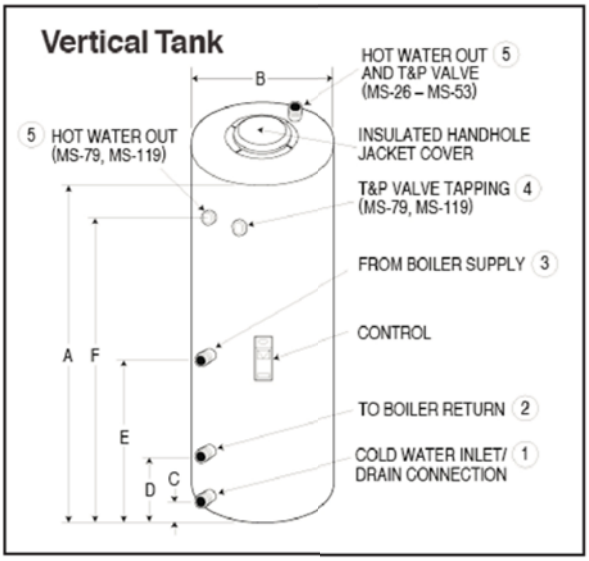
If you need a lot of hot water quickly, for example a high flow rate to fill a hot tub, a larger size Mega-Stor® may be required to maintain an uninterrupted flow of hot water.

Approximate Mixed Flow at 115ºF

Model	Boiler Output (BTU/HR)	5.0 Gallons per Minute		7.5 Gallons per Minute	
		Minutes of Hot Water	Gallons Provided	Minutes of Hot Water	Gallons Provided
MS-26	77,000	4.5	22.8	2.5	18.7
MS-40	102,000	10.0	50.1	4.6	34.4
MS-53	114,000	12.5	62.3	7.6	57.2
MS-79	145,000	12.6	63.0	8.0	60.0
MS-119	225,000	Unlimited	Unlimited	15.1	113.8
MSH-40H	75,000	9.3	46.1	4.6	34.4
MSH-53H	101,000	10.9	54.6	5.8	43.3

MEGA-STOR® SPECIFICATIONS





PHYSICAL SPECIFICATIONS

Model	Volume (Gal.)	Dimensions in Inches								Coil Surface (Sq.Ft.)	Weight (lbs.)	
		A	B	C	D	E	F	G	H		Net	Full
MS-26	26	38-3/4	20-1/4	2	9-3/4	22-1/2	—	—	—	6.5	49	269
MS-40	39	54-3/4	20-1/4	2	9-3/4	25-3/4	—	—	—	8.6	66	396
MS-53	51	47-7/8	23-7/8	2	9-7/8	26-3/4	—	—	—	10.1	82	522
MS-79	80	69-1/4	23-7/8	1-5/8	10-1/4	29-1/4	59-1/4	—	—	15.1	170	831
MS-119	112	66	29-1/2	2-1/2	12-3/4	39-1/4	52-3/4	—	—	24.3	183	1,178
MSH-40H*	38	24-3/8	23-7/8	34-3/4	3-5/8	5	10-1/8	16-7/8	19-3/8	6.7	127	449
MSH-53H*	51	24-3/8	23-7/8	44-7/8	3-5/8	5	10-1/8	16-7/8	19-3/8	9.8	168	595

*MSH-40H and MSH-53H are Horizontal Tanks

CONNECTIONS

Key #	Description	Size (NPT)			
		MS-26 – MS-53	MSH-40H – MSH-53H	MS-79	MS-119
1	Cold Water Inlet	3/4M	3/4M	1M	1-1/4M
2	To Boiler Return	3/4M	3/4M	3/4M	1-1/4M
3	From Boiler Supply	3/4M	3/4M	3/4M	1-1/4M
4	T&P Valve Tapping	—	3/4F	1F	1F
5	Hot Water Out	3/4M	3/4M	1F	1-1/4F

IMPORTANT NOTE Some localities require indirect water heaters having a relief valve capacity in excess of 200,000 BTU/Hr to be constructed and stamped in accordance with ASME requirements. Check with the local authority having jurisdiction before installing an MS-79 or MS-119 with a boiler or boilers having a total gross output in excess of 200,000 BTU/Hr.

AHRI PERFORMANCE SPECIFICATIONS

Moc	First Hour Rating (Gal/Hr)	Continuous Draw Rating (Gal/Hr)	Standby Loss (°F/Hr)	Minimum Boiler Output (MBH)	Boiler Water Through Coil	
					Min Flow (Gal/Min)	Head Loss (ft w.c.)
MS-26	144	121	1.7	77	8.0	2.5
MS-40	195	157	1.4	102	8.0	3.0
MS-53	226	179	0.9	114	8.0	3.5
MS-79	287	218	1.0	145	8.0	4.8
MS-119	472	384	1.4	225	12.7	7.9
MSH-40	151	116	1.4	75	8.0	2.5
MSH-53	203	158	1.3	101	8.0	3.5

Intertek

AHRI CERTIFIED® www.ahridirectory.org

CROWN BOILER