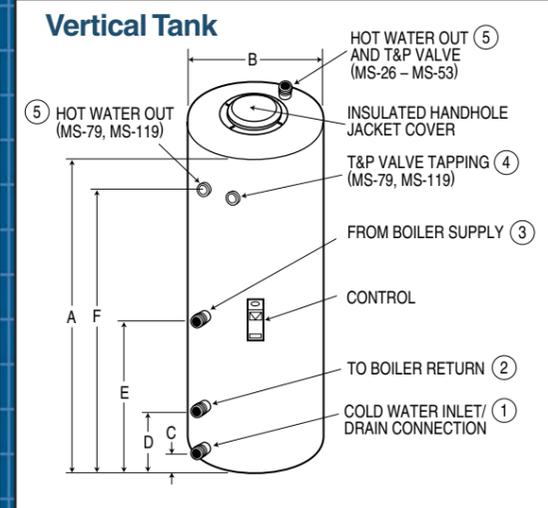
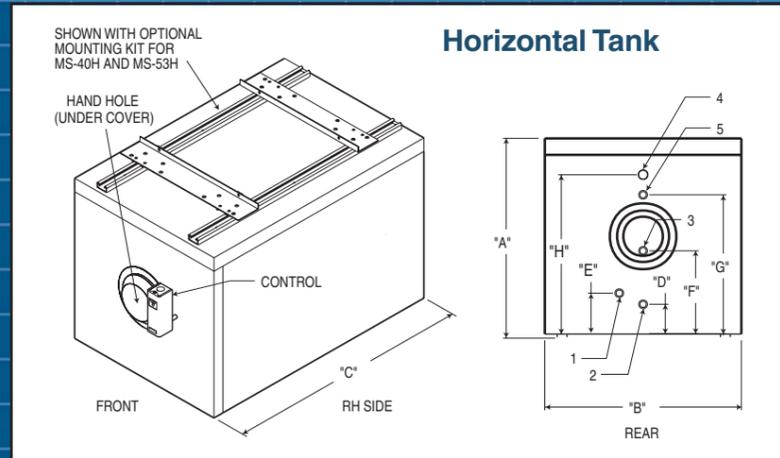


MEGA-STOR SPECIFICATIONS



PHYSICAL SPECIFICATIONS

Model	Volume (Gal.)	Dimensions in inches								Coil surface (Sq. ft.)	Weight	
		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	1178
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	1 M	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.

I=B=R CERTIFIED PERFORMANCE RATINGS



MODEL	FIRST HOUR RATING (Gal/hr)	CONTINUOUS DRAW RATING (Gal/hr)	STANDBY HEAT LOSS (F/hr)	MIN. BOILER OUTPUT (BTU/hr)	BOILER WATER FLOW RATE (Gal/min)
MS-26	143.9	121.3	1.7	77316	8.0
MS-40	195.4	157.2	1.4	102009	8.0
MS-53	225.6	179.1	0.9	114325	8.0
MS-79	286.8	217.5	0.9	145091	8.0
MS-119	472.1	383.8	1.0	244978	12.7
MSH-40H	151.4	115.8	1.4	75088	8.0
MSH-53H	202.9	158.3	1.3	100890	8.0

Notes:

- 1) Ratings based upon the following conditions: 180°F boiler supply, 58°F cold water in, 135°F domestic water out.
- 2) The ratings shown were obtained at the heat source output rates and heat source flow rates in the chart to the left. Other results will be obtained under different conditions.
- 3) I=B=R certification applies only to the ratings in the chart to the left.

AVAILABLE FROM

CROWN Boiler Co.

Since 1949, homeowners have depended on us for quality, value and service

3633 I Street, Philadelphia, PA 19134
 Phone: (215) 535-8900 Fax: (215) 535-9736
 Visit us on the web: www.crownboiler.com

MS-08/03-(20M)
 PN980515

MEGA-STOR

HIGH PERFORMANCE INDIRECT WATER HEATER



- Lifetime limited warranty
- Abundant domestic hot water
- Heated by your high efficiency home boiler
- 316L stainless steel tank
- Convenient access cap for easy service
- Honeywell adjustable temperature control



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

MEGA-STOR HIGH PERFORMANCE INDIRECT WATER HEATER

The numbers show its superior performance . . .

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.

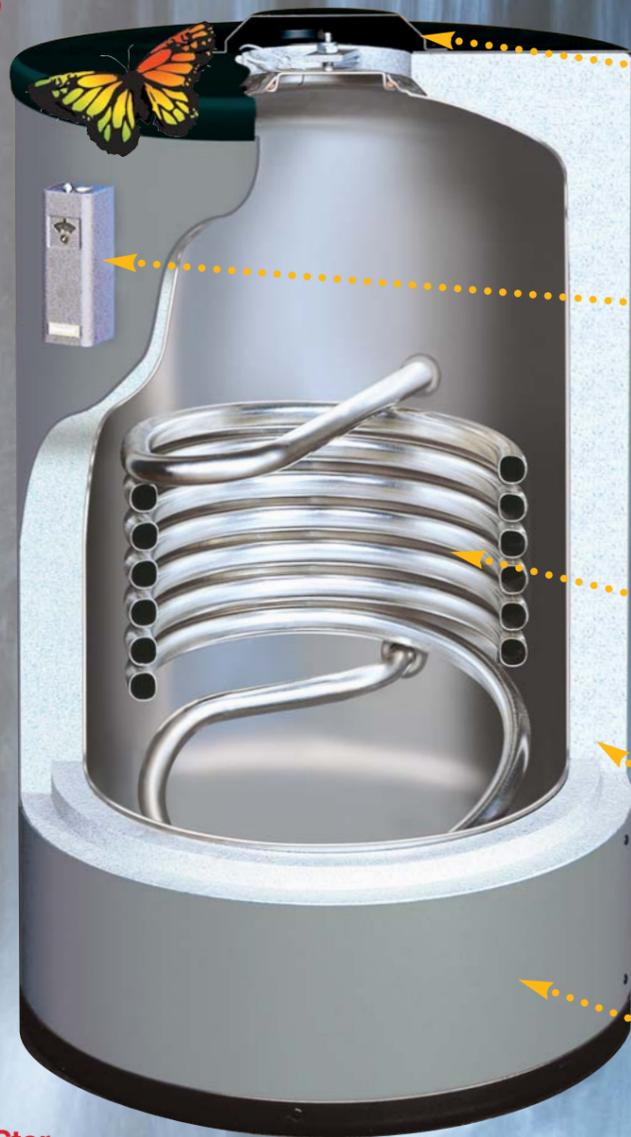
Independent certification. The CROWN Mega-Stor is the first indirect water heater to have its performance independently certified to specifications by the Hydronics Institute. This independent testing will assure you of accurate ratings.

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.

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 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 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.

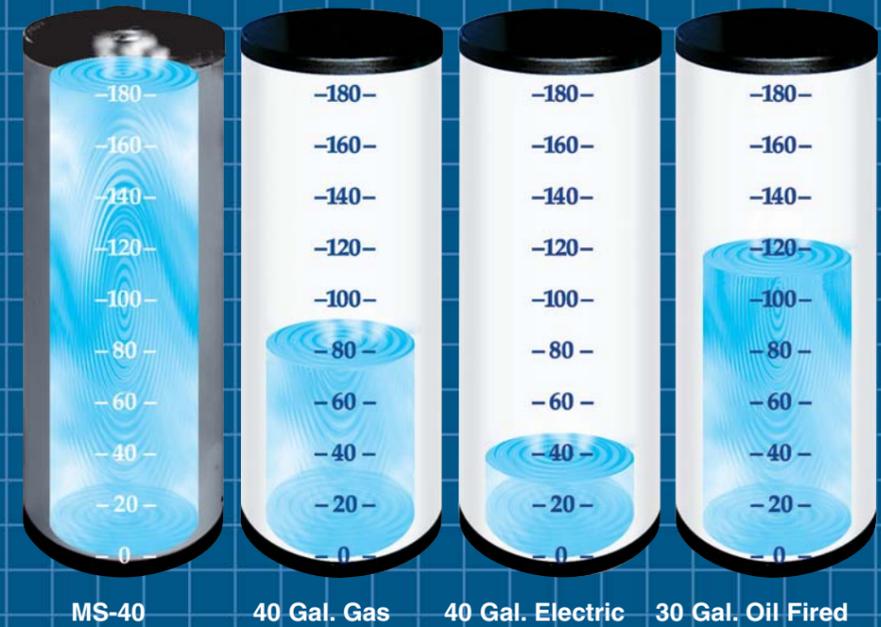
Mega-Stor has a highly responsive Honeywell adjustable aquastat so that the water can be adjusted for your desired temperature.

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 stand-by periods.

Mega-Stor's tank is ruggedly made of 316L 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 your 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) @ 90°F RISE

MODEL	60000 BTU/hr BOILER	80000 BTU/hr BOILER	100000 BTU/hr BOILER	125000 BTU/hr BOILER	150000 BTU/hr BOILER	175000 BTU/hr BOILER	200000 BTU/hr BOILER	250000 BTU/hr BOILER	300000 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 lots 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 115°F

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	77316	4.5	22.8	2.5	18.7
MS-40	102009	10.0	50.1	4.6	34.4
MS-53	114325	12.5	62.3	7.6	57.2
MS-79	145091	12.6	63.0	8.0	60.0
MS-119	244978	UNLIMITED	UNLIMITED	15.1	113.8
MSH-40H	75088	9.3	46.1	4.6	34.4
MSH-53H	100890	10.9	54.6	5.8	43.3

See installation manual for complete details. All values shown are approximate. Incoming cold water 50°F, tank supply temp. 140°F.

