

Commercial Storage Tanks



ALL THE STORAGE CHOICES
YOU NEED FOR A TOTAL
HOT WATER SUPPLY SYSTEM.



INNOVATION AT A GLANCE

A. O. SMITH IS THE BEST CHOICE FOR COMPLETE COMMERCIAL WATER HEATING AND STORAGE SYSTEMS

No other manufacturer gives plumbing professionals a broader choice of innovative commercial water heaters and boilers. So, it makes sense that when you need supplemental storage of hot water, you can turn to A. O. Smith for a nearly unlimited selection of storage tanks.

A. O. Smith is the market leading manufacturer of domestic hot water storage tanks in the USA and maintains an inventory of both bare and factory jacketed and insulated stock tanks from 80 gallons up to 1,000 gallons for immediate shipping. For special applications or where non standard openings or special linings are required A. O. Smith offers custom built tanks built to your specifications from 80 gallons all the way up to 12,500 gallons.

80% TANK DRAW GUARANTEED AND GIMMICK FREE

To achieve tank draw efficiency, some manufacturers rely on baffles and other components that can corrode or break off. Not A. O. Smith. When installed with an A. O. Smith commercial boiler or water heater using the A. O. Smith "Cer-Temp 80" piping method, our storage tanks will deliver 80% of total tank capacity as usable hot water. And we do it with a proven tank design that depends entirely on the foolproof laws of physics...

A Just like hot air, the hottest water in the storage tank rises to the top.

B As the hot water rises, cooler water is pushed downward into the tank.

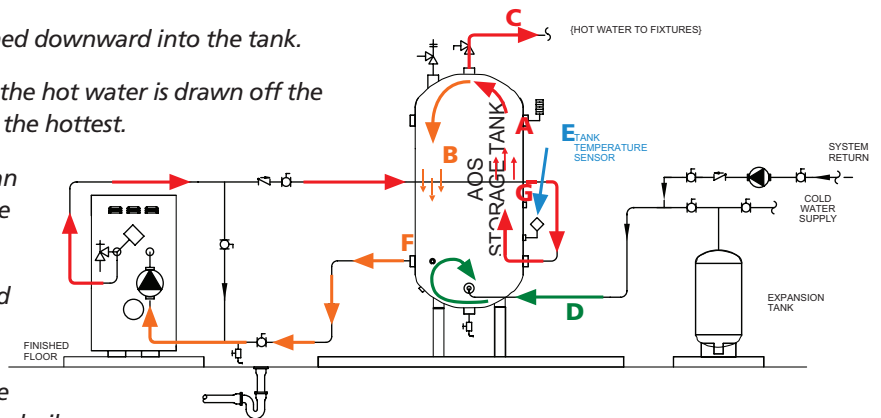
C When hot water is used out in the system, the hot water is drawn off the top of the tank, where the water is always the hottest.

D As water is drawn off the top of the tank an equal amount of cold water is added to the bottom of the tank.

E A tank temperature sensor/control installed at the top of the bottom 1/3 of the tank, determines when additional heat is required to maintain set point temperature and controls both the system pump and the boiler.

F When heat is required, warm/mixed water is pumped from the bottom of the tank through the boiler and heated.

G Hot water from boiler is re-circulated back to the tank and restarts the heating cycle.



TANKS IN STOCK, READY TO SHIP

A. O. SMITH STANDARD STOCK BARE TANKS					
MODEL NUMBER	U.S. GALLON CAPACITY	APPROXIMATE OVERALL DIMENSIONS (INCHES)		WORKING PRESSURE (PSI)	APPROXIMATE SHIPPING WEIGHT
		DIAMETER	LENGTH		
T-80 STD	80	20	62-1/8	150	170
T-120 STD	120	24-1/4	65	150	287
T-140 ASME	140	24	76-1/4	125	400
T-200 STD	200	30	72	150	460
T-200 ASME	200	30	72	125	460
T-250 ASME	250	30	84	125	505
T-325 ASME	325	34	84	125	600
T-350 STD	350	36	88	125	670
T-350 ASME	350	36	88	125	670
T-400 ASME	400	36	97	125	775
TL-500 ASME	500	36	122	125	950
TN-500 ASME	500	42	89	125	815
T-500 ASME	500	48	74	125	950
T-750 ASME	750	48	106	125	1290
T-1000 ASME	1000	48	138	125	1655

Horizontal or Vertical Tank Mounting

A. O. Smith Standard Stock Bare Tanks (with the exception of T-80 STD models, T-120 STD models) are shipped factory standard with leg sockets for vertical installation, but are also designed with inlet and outlet openings to permit both vertical and horizontal installation. For horizontal installation, optional tank saddles are required. The TL-500 ASME is designed for horizontal installation only.

A. O. SMITH STANDARD STOCK FACTORY JACKETED AND INSULATED TANKS (Vertical)				
MODEL NUMBER	U.S. GALLON CAPACITY	APPROXIMATE OVERALL DIMENSIONS (INCHES)		APPROXIMATE SHIPPING WEIGHT
		HEIGHT	WIDTH	
TJ-80 STD	80	63	25-1/4	236
TJ-80 ASME	80	54-7/8	26-1/2	369
TJV-120M STD	119	62	29-3/8	320
TJV-120 ASME	119	61-3/4	28	411
TJV-140 ASME	140	87	30	516
TJV-200 ASME	200	83	36	612
TJV-200M ASME	200	77	32	560
TJV-250 ASME	250	93	36	900
TJV-350 ASME	350	100	42	1080
TJV-400 ASME	400	105	42	1282
TJVT-500 ASME	500	100	48	1369
TJV-500 ASME	500	84	54	1526
TJV-750 ASME	750	116	54	2395
TJV-1000 ASME	1000	150	54	3320

A. O. SMITH STANDARD HORIZONTAL JACKETED AND INSULATED TANKS (Build to Order)			
MODEL NUMBER	U.S. GALLON CAPACITY	DIAMETER/ HEIGHT/ LENGTH (INCHES)	APPROXIMATE SHIPPING WEIGHT (LBS)
TJH-200A	200	36 x 41 x 77	790
TJH-250A	250	36 x 41 x 90	1000
TJH-350A	350	42 x 47 x 93	1370
TJH-400A	400	42 x 47 x 99	1476
TJHT-500A	500	40 x 53 x 94	1448
TJH-500A	500	54 x 59 x 79	1540
TJH-750A	750	54 x 59 x 110	2575
TJH-1000A	1000	54 x 59 x 143	3260

CUSTOM STORAGE TANKS

A.O. SMITH CUSTOM HD HIGH DRAW CUSTOM STORAGE TANKS			
MODEL NUMBER	U.S. GALLON CAPACITY	DIMENSIONS DIAMETER x OAL	APPROXIMATE SHIPPING WEIGHT
HD20-80	80	20 x 60"	210
HD20-100	100	20 x 72"	294
HD24-125	125	24 x 66"	420
HD24-140	140	24 x 75"	438
HD24-175	175	24 x 90"	489
HD30-175	175	30 x 60"	575
HD30-200	200	30 x 71"	657
HD30-250	250	30 x 84"	740
HD30-300	300	30 x 99"	803
HD36-250	250	36 x 60"	873
HD36-300	300	36 x 71"	998
HD36-350	350	36 x 86"	1122
HD36-400	400	36 x 93"	1198
HD36-500	500	36 x 122"	1445
HD42-375	375	42 x 67"	1015
HD42-450	450	42 x 79"	1170
HD42-500	500	42 x 88"	1325
HD42-600	600	42 x 103"	1484
HD42-700	700	42 x 119"	1875
HD42-800	800	42 x 134"	1918
HD48-500	500	48 x 73"	1590
HD48-600	600	48 x 81"	1788
HD48-700	700	48 x 93"	1987
HD48-750	750	48 x 105"	2210
HD48-900	900	48 x 117"	2409
HD48-1000	1000	48 x 137"	2607
HD48-1250	1250	48 x 159"	3202
HD48-1500	1500	48 x 190"	3822
HD54-650	650	54 x 71"	2110
HD54-750	750	54 x 81"	2371
HD54-900	900	54 x 95"	2662
HD54-1000	1000	54 x 105"	2920
HD54-1250	1250	54 x 129"	3441
HD54-1500	1500	54 x 153"	3990
HD54-1800	1800	54 x 181"	4771
HD60-800	800	60 x 72"	2234
HD60-1000	1000	60 x 88"	2668
HD60-1250	1250	60 x 107"	3277
HD60-1500	1500	60 x 126"	3567
HD60-1750	1750	60 x 146"	4076
HD60-2000	2000	60 x 165"	4754
HD66-1000	1000	66" x 75"	2670
HD66-1500	1500	66" x 107"	3796
HD66-2000	2000	66" x 139"	4920
HD66-2500	2500	66" x 171"	6011
HD72-2500	2500	72" x 147"	6134
HD72-3000	3000	72" x 174"	7026
HD72-3500	3500	72" x 201"	8403
HD72-5000	5000	72" x 281"	12455
HD84-4000	4000	84" x 173"	9418
HD84-5000	5000	84" x 212"	11775

COMMERCIAL STORAGE TANKS

CUSTOM STORAGE TANKS

A.O. SMITH CUSTOM HD HIGH DRAW CUSTOM STORAGE TANKS (cont'd)			
MODEL NUMBER	U.S. GALLON CAPACITY	DIMENSIONS DIAMETER x OAL	APPROXIMATE SHIPPING WEIGHT
HD84-6000	6000	84" x 252"	13509
HD84-8000	8000	84" x 330"	17647
HD96-7500	7500	96" x 244"	15753
HD96-10,000	10,000	96" x 319"	20538
HD96-12,500	12,500	96" x 395"	24500



Custom Tanks Built to Order For Any Need

A. O. Smith understands the variety of special needs you may have in designing a complete commercial hot water supply system. We can meet just about any need you specify, with our "HD" High-Draw Custom Storage Tanks all with ASME construction, and with an extensive menu of options, including...

- Cement, epoxy or glass linings
- Black steel tanks, stainless steel tanks, silicon bronze tanks
- Military specifications
- Manholes
- Handholes
- Lifting lugs
- Steam or hot water tank heaters
- Special and additional tank openings
- Ring and leg bases
- Horizontal tank saddles
- Factory-mounted T&P gauges



For complete specifications on A. O. Smith Commercial Storage Tanks, consult Specification Sheets at www.hotwater.com



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