

INTERSTOR.

DTI

INDIRECT FIRED  
WATER HEATERS

DTI 30 | 40 | 55 | 65 | 80

DTI 80 MAX | 119 MAX



IBC®



## DTI INDIRECT WATER HEATERS

### QUALITY & DURABILITY

INTERSTOR® Indirect Water Heaters are built from high-grade stainless steel for exceptional durability and corrosion resistance. Precision welding, stainless steel tank connections, and a full pickling and passivation process enhance long-term reliability. Compared to glass-lined models, stainless steel offers a significantly longer lifespan for domestic water heating and storage.

### PERFORMANCE

The extended surface area of our stainless steel heat exchanger results in superior DHW performance, producing 2-3 times more hot water than a standard gas fired water heater.

### ECONOMY

Unlike direct-fired units, INTERSTOR® Indirect Water Heaters integrate with your existing boiler to deliver reliable, on-demand hot water. They match the efficiency of your home's space heating system for consistent performance and energy savings.



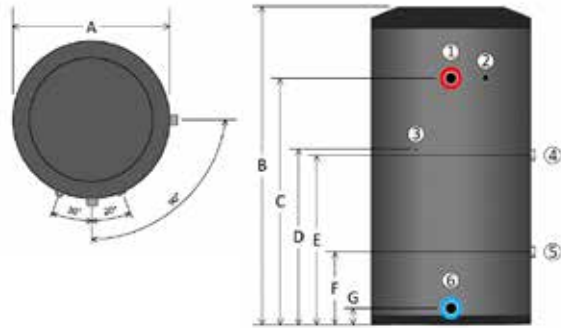
### FEATURES

- Delivers more hot water than standard direct fired tanks when paired with high efficiency boilers
- Stainless steel construction including pickled and passivated tank, water connections and high-capacity smooth wall coil resist corrosion for long-life
- Top DHW connections and side boiler connections increase install efficiency while saving time, money, and labor (DTI 40, 55 and 65)
- Lightweight for easy installation
- 2" of polystyrene foam insulation for an extremely low standby heat loss
- Removable inspection port for easy access to coil and tank
- Standard Aquastat & 10K $\Omega$  temperature sensor

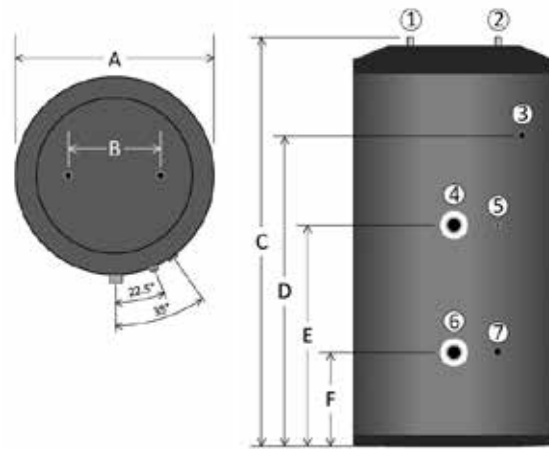
| Surface                               | Minimum Distance from Combustibles | Recommended Distance for Service |
|---------------------------------------|------------------------------------|----------------------------------|
| Front - in. (cm)                      | 1 (2.5)                            | 24 (61)                          |
| Top, Right, Left, and Rear - in. (cm) | 1 (2.5)                            | 1 (2.5)                          |
| Bottom - in. (cm)                     | 0 (0)                              | 0 (0)                            |



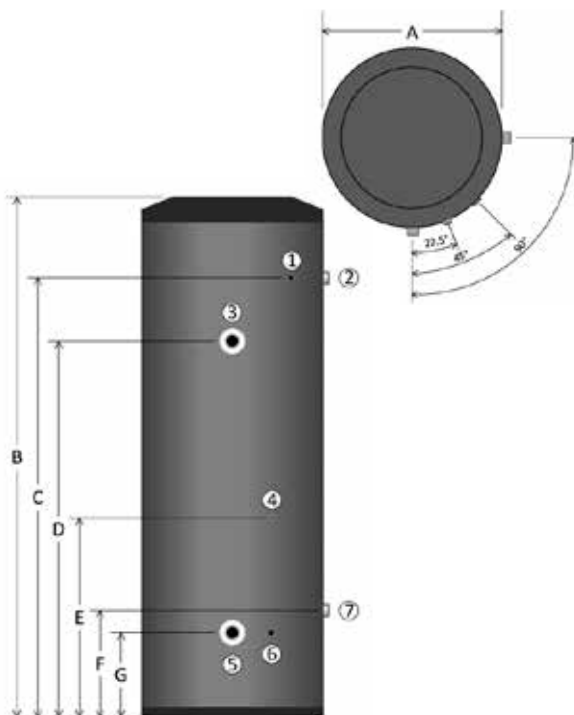
## DIMENSION DRAWINGS



| DIMENSION                              | DTI 30       |
|--|--------------|
| A Diameter - in. (cm)                  | 20.1 (51.1)  |
| B Height - in. (cm)                    | 39.6 (100.6) |
| C DHW Outlet & Relief Valve - in. (cm) | 30.9 (78.5)  |
| D Sensor / Aquastat Well - in. (cm)    | 22.4 (57.0)  |
| E Boiler Supply - in. (cm)             | 22 (56.0)    |
| F Boiler Return - in. (cm)             | 9.5 (24.0)   |
| G DHW Inlet - in. (cm)                 | 2.2 (5.5)    |
| 1 DHW Outlet                           | 3/4" M       |
| 2 T&P Relief Valve                     | 3/4" F       |
| 3 Sensor / Aquastat Well               | n/a          |
| 4 Boiler Supply                        | 1" M         |
| 5 Boiler Return                        | 1" M         |
| 6 DHW Inlet                            | 3/4" M       |



| DIMENSION   | DTI 40       | DTI 55       | DTI 65       |
|---|--------------|--------------|--------------|
| A Diameter - in. (cm)                             | 21.8 (55.5)  | 21.8 (55.5)  | 23.8 (60.4)  |
| B DHW Inlet & Outlet Center to Center - in. (cm)  | 10.1 (25.6)  | 10.1 (25.6)  | 10.1 (25.6)  |
| C Height - in. (cm)                               | 46.9 (119.2) | 62.8 (159.4) | 59.5 (151.0) |
| D Relief Valve - in. (cm)                         | 37 (93.9)    | 52.8 (134.1) | 50.1 (127.2) |
| E Boiler Sup. & Sensor / Aquastat Well - in. (cm) | 23.6 (59.9)  | 27.7 (70.4)  | 26.1 (66.2)  |
| F Boiler Return & Drain - in. (cm)                | 10.2 (25.9)  | 10.2 (25.9)  | 9.9 (25.2)   |
| 1 DHW Outlet                                      | 3/4" M       | 3/4" M       | 3/4" M       |
| 2 DHW Inlet                                       | 3/4" M       | 3/4" M       | 3/4" M       |
| 3 T&P Relief Valve                                | 3/4" F       | 3/4" F       | 3/4" F       |
| 4 Boiler Supply                                   | 1" M         | 1" M         | 1" M         |
| 5 Sensor / Aquastat Well                          | n/a          | n/a          | n/a          |
| 6 Boiler Return                                   | 1" M         | 1" M         | 1" M         |
| 7 DHW Drain                                       | 1/2" F       | 1/2" F       | 1/2" F       |



| DIMENSION                              | DTI 80       | DTI 80 MAX   | DTI 119 MAX  |
|--|--------------|--------------|--------------|
| A Diameter - in. (cm)                  | 23.8 (60.4)  | 23.8 (60.4)  | 28.9 (73.4)  |
| B Height - in. (cm)                    | 69.9 (177.6) | 69.9 (177.6) | 65.8 (167.2) |
| C DHW Outlet & Relief Valve - in. (cm) | 60.5 (153.7) | 60.5 (153.7) | 53.0 (134.7) |
| D Boiler Supply - in. (cm)             | 30.0 (76.2)  | 51.7 (131.2) | 42.5 (107.9) |
| E Sensor / Aquastat Well - in. (cm)    | 30.0 (76.2)  | 26.3 (66.7)  | 34.0 (86.2)  |
| F DHW Inlet - in. (cm)                 | 12.1 (30.7)  | 12.5 (31.7)  | 13.9 (35.2)  |
| G Boiler Return & Drain - in. (cm)     | 9.9 (25.2)   | 9.9 (25.2)   | 11.5 (29.2)  |
| 1 T&P Relief Valve                     | 3/4" F       | 3/4" F       | 1" F         |
| 2 DHW Outlet                           | 1" M         | 1 1/2" M     | 1 1/2" M     |
| 3 Boiler Supply                        | 1" M         | 1 1/2" M     | 1 1/2" M     |
| 4 Sensor / Aquastat Well               | n/a          | n/a          | n/a          |
| 5 Boiler Return                        | 1" M         | 1 1/2" M     | 1 1/2" M     |
| 6 DHW Drain                            | 1/2" F       | 1/2" F       | 1/2" F       |
| 7 DHW Inlet                            | 1" M         | 1 1/2" M     | 1 1/2" M     |



## TECHNICAL INFORMATION

| SPECIFICATION   | DTI<br>30       | DTI<br>40       | DTI<br>55       | DTI<br>65       | DTI<br>80       | DTI<br>80 MAX   | DTI<br>119 MAX  |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Diameter - In. (cm)   | 20.1<br>(51.1)  | 21.8<br>(55.5)  | 21.8<br>(55.5)  | 23.8<br>(60.4)  | 23.8<br>(60.4)  | 23.8<br>(60.4)  | 28.9<br>(73.4)  |
| Height - In. (cm)   | 39.6<br>(100.6) | 46.9<br>(119.2) | 62.8<br>(159.4) | 59.5<br>(151.0) | 69.9<br>(177.6) | 69.9<br>(177.6) | 65.8<br>(167.2) |
| Gross DHW Volume - US Gal.                                    | 26.8            | 40.1            | 56.8            | 66.6            | 80.2            | 80.2            | 115             |
| Net DHW Volume - US Gal.                                      | 25.7            | 38.9            | 55.1            | 64.9            | 78.0            | 75.3            | 110             |
| Max. Operating Pressure - PSI                                 | 150             | 150             | 150             | 150             | 150             | 150             | 150             |
| Max. DHW Temperature - °F (°C)                                | 180<br>(82)     | 180<br>(82)     | 180<br>(82)     | 180<br>(82)     | 180<br>(82)     | 180<br>(82)     | 180<br>(82)     |
| Weight - Lb. (kg)   | 44<br>(20)      | 58<br>(27)      | 83<br>(38)      | 96<br>(44)      | 107<br>(48)     | 130<br>(59)     | 166<br>(76)     |
| Shipping Weight - Lb. (kg)                                    | 51<br>(23)      | 66<br>(30)      | 92<br>(42)      | 105<br>(48)     | 118<br>(53)     | 141<br>(64)     | 178<br>(81)     |
| Domestic Connection Size - In.                                | 3/4"            | 3/4"            | 3/4"            | 3/4"            | 1"              | 1 1/2"          | 1 1/2"          |
| Boiler Connection Size - In.                                  | 1"              | 1"              | 1"              | 1"              | 1"              | 1 1/2"          | 1 1/2"          |
| First Hour Delivery* - US Gal./Hr.                            | 159             | 185             | 240             | 285             | 345             | 484             | 625             |
| Continuous Draw* - US Gal./Hr.                                | 137             | 154             | 193             | 230             | 279             | 428             | 537             |
| Boiler Output Required* - BTU/Hr.                             | 88,000          | 98,000          | 123,000         | 146,500         | 178,000         | 273,000         | 343,000         |
| Heating Coil Flow Rate* - GPM                                 | 8               | 8               | 8               | 13              | 13              | 13              | 25              |
| Heating Coil Pressure Drop* - Ft. of Head                     | 3.0             | 2.5             | 3.3             | 8.2             | 10.5            | 7.2             | 28.0            |
| Heating Coil Surface Area - Ft <sup>2</sup> (m <sup>2</sup> ) | 6.9<br>(0.64)   | 8<br>(0.74)     | 10.7<br>(0.99)  | 11.1<br>(1.03)  | 14.2<br>(1.32)  | 26.4<br>(2.45)  | 27.6<br>(2.56)  |
| IBC Part Number   | 034-007S        | 034-008T        | 034-009T        | 034-014T        | 034-013S        | 034-011S        | 034-012S        |

\*Based on 180°F boiler supply, 135°F DHW, and 58°F entering cold water.



Intertek



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sales@ibcboiler.com • www.ibcboiler.com

Toll Free: 1-844-HEAT IBC / 1-844-432-8422

All information contained in this brochure is subject to change without notice.  
Due to clerical error, regulation change or product development please confirm all information with IBC.

900-116 USA (R3) 12.17.25