



## SUBMITTAL BROCHURE



## DAY TANKS AND DAY TANK SYSTEMS



**ENGINE & COMPRESSOR ACCESSORIES**

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# AUTOMATIC DAY TANKS

## STANDARD FEATURES

### Construction

- Built and labeled per UL-142 specifications
- Heavy gauge steel lap joint construction
- Heavy duty steel cover w/ window
- 6 1/2" square removable inspection plate
- 4 - 1" NPT connections; fuel outlet, fuel return, alternate fuel return, and overflow.
- 1 1/4" NPT normal vent connection
- Emergency vent connection - size specified by UL-142
- 3/8" NPT tank drain connection

### Electrical

- Heavy duty 1/3 HP, 115 VAC, 1 P, 60 Hz. motor
- Heavy duty float switch
- "Press to test" switch
- "Pump-running" indicator light
- Hard wired control wiring
- Socketed, replaceable relays

### Mechanical

- 2 GPM bronze high lift gear pump w/ stainless steel shafts
- 1 1/2" NPT mechanical fuel level gauge
- All plumbing pre-connected

### Finish

- Interior - epoxy coated
- Exterior - E&CA gray enamel



MODEL	CAPACITY		WIDTH		HEIGHT		DEPTH		WEIGHT		EMERG. VENT
	GAL	LIT	IN	CM	IN	CM	IN	CM	LB	KG	NPT
DT10ULD	10	38	24	61	22	55.9	12	30.5	77	35	2
DT15ULD	15	57	24	61	25.5	64.8	12	30.5	80	36.3	2
DT25ULD	25	95	24	61	33	83.8	12	30.5	95	43	2
DT50ULD	50	189	24	61	42	106.7	18	45.7	160	73	2
DT60ULD	60	228	24	61	47	119.8	18	45.7	167	76	2
DT75ULD	75	284	24	61	55	139.7	18	45.7	190	88.5	2
DT100ULD	100	379	24	61	55	139.7	24	61	220	100	3
DT150ULD	150	570	24	61	55	139.7	36	91.5	270	122	3
DT200ULD	200	758	24	61	59.5	151.1	48	121.9	340	154	3
DT275ULD	275	1041	24	61	59.5	151.1	60	152.4	416	189	4
DT300ULD	300	1140	24	61	59.5	151.1	65	165.1	429	194	4
DT325ULD	325	1230	28	71.1	59.5	151.1	60	152.4	442	200	4
DT350ULD	350	1325	24	61	59.5	151.1	75	190.5	492	223	4
DT400ULD	400	1520	36	91.5	59.5	151.1	57	144.8	478	217	4
DT450ULD	450	1710	36	91.5	59.5	151.1	65	165	524	238	4
DT500ULD	500	1900	36	91.5	59.5	151.1	72	182	565	256	4
DT550ULD	550	2090	36	91.5	59.5	151.1	79	200	752	341	4
DT600ULD	600	2280	36	91.5	59.5	151.1	86	218.4	804	356	6
DT700ULD	700	2660	48	121.9	59.5	151.1	76	193	848	386	6
DT800ULD	800	3040	48	121.9	59.5	151.1	86	218.4	930	423	6
DT900ULD	900	3420	48	121.9	59.5	151.1	97	246.4	1021	464	6
DT1000ULD	1000	3800	48	121.9	59.5	151.1	108	274.3	1111	505	6

# AUTOMATIC DAY TANK OPTIONS

100A Pump, 2 GPM High lift Gear



100B Pump, 4 GPM High lift Gear



100C Pump, 7 GPM High lift Gear



Requires a 1/2 HP motor.

100D Pump, 10 GPM High lift Gear



Requires a 3/4 HP motor.

100E Pump, 20 GPM High lift Gear, Requires a 1 HP motor.

119 Motor, 1/2 HP, 115 VAC, 1 phase, 60 Hz, (Standard with DT)

129 Motor, 1/2 HP, 220 VAC, 1 phase, 50 Hz, Includes option #380 & #384

144 Motor, 1/2 HP, 115 VAC, 1 phase, 60 Hz, Includes option #382

152 Motor, 3/4 HP, 115 VAC, 1 phase, 60 Hz, Includes option #382

127A Dual Pump and Motor Assembly  
Adds second float switch and 2 GPM pump and 1/2 HP, 120 VAC motor. First pump starts at 86% usable fuel. Second pump starts at 82% usable fuel. Both pumps stop at 100% usable fuel. Other start stop levels can be specified. Used to double the pumping capacity for periods of high fuel consumption. Complete with press to test toggle switch, red pump running light, and check valve on pump suction.

127B Dual Pump & Motor Assembly  
Two float switches, one closing at 86% of usable fuel capacity, the second closing at 82% of usable fuel capacity. Both pumps stop at 100% usable fuel with automatic transfer switch to automatically alternate each pump and motor to the lead starting position complete with pump run-off-automatic toggle switch, red pump running light, and check valve on pump suction

127C Dual Pump & Motor Assembly  
Manual duplex system similar to option 127B, but with manual transfer switch

166 Auxiliary Hand Pump, piston type



20 gallon per 100 strokes. Self primes to 20" of lift. Hand pump check valve and motor-pump check valve included

167 Auxiliary Hand Pump, rotary type



10 gallons per 100 revolutions. Self primes to 20" of lift. Hand pump check valve and motor-pump check valve included

170 Fuel Return Pump & Motor Assembly  
Includes float switch, 2 GPM bronze high lift gear pump with stainless steel shaft and 1/2 HP, 115 VAC, 1 phase, 60 Hz. motor, and pump suction dip tube. Reverse acting pump and motor return fuel to primary tank.

201 Manual Fuel Fill, Locking, Mounted on tank  
B. 2" NPT  
C. 3" NPT  
D. 4" NPT

215 Fuel Strainer, 1" NPT, spin on type, 10 GPM capacity, shipped loose

220 Vent cap, "T" Type, Double outlet vent, with stainless steel wire screen, female  
A. 1" NPT D. 2" NPT  
B. 1 1/4" NPT E. 3" NPT  
C. 1 1/2" NPT

221 Vent Cap, Mushroom Type, Single outlet vent, with stainless steel wire screen, female  
B. 1 1/4" NPT E. 3" NPT  
C. 1 1/2" NPT F. 4" NPT  
D. 2" NPT

222 Emergency Pressure Relief Vent, set at 8 oz/sq in., male  
A. 2" NPT D. 5" NPT  
B. 3" NPT E. 6" NPT  
C. 4" NPT

226B Sight Glass with Guard, With check valves at top & bottom

235A	Cover, Weather Proof, 24" x 12" x 8", Single pump & motor	306	Critical Low Fuel Alarm, 12/24/VDC Float switch activated red light on control panel. With relay, with relay contacts wired to terminal strip for remote alarm and engine shutdown. Relay contacts rated 10 amp. Prevents loss of engine fuel prime. Operates from engine battery.
235B	Cover, Weather Proof, 24" x 18" x 8", Dual pump & motor		
240	Valve, drain petcock, 3/8" NPT, Replaces threaded plug in bottom of tank		
255	Valve, Check, Installed on pump intake to prevent loss of prime A. 3/8" NPT                      C. 3/4" NPT B. 1/2" NPT                      D. 1" NPT	308	High Fuel Level Alarm, 120 VAC Float switch activates red light on control panel at 103% of usable fuel. With relay, with relay contacts wired to terminal strip for remote alarm. Relay contacts rated 10 amp.
260	Valve, Solenoid, 120 VAC Installed on pump intake to prevent loss of pump prime or tank flooding. A. 3/8" NPT, For 2 GPM pump B. 3/8" NPT, For 4 GPM pump C. 1/2" NPT, For 7 GPM pump D. 3/4" NPT, For 10 GPM pump E. 1" NPT, For 20 GPM pump	311	High/Low Fuel Level Alarm, 120 VAC Float switch activates red light on control panel at 103% high and 84% low of usable fuel. With relay, with relay contacts wired to terminal strip for remote alarm. Relay contacts rated 10 amp.
270	Valve, Manual Cut Off A. 1/2" NPT                      B. 1" NPT	313	Critical High Fuel Level Alarm and Shutdown 120 VAC. Float switch activates red light on control panel. With relay, with relay contacts wired to terminal strip for remote alarm. Relay contacts rated 10 amp. Also stops the pump motor and includes a solenoid valve mounted on fuel inlet. Solenoid valve closes, preventing further fuel from entering tank. Complies with NFPA #37.
280	Valve, Pressure Relief For any motor driven pump		
285	Rupture Basin, Open top, 150% capacity A. DT10                              I. DT325 T. DT15                              J. DT350 B. DT25                              K. DT400 C. DT50                              L. DT450 U. DT60                              M. DT500 D. DT75                              N. DT550 E. DT100                             O. DT600 F. DT150                             P. DT700 G. DT200                             Q. DT800 H. DT275                            R. DT900 V. DT300                            S. DT1000	380	Control Transformer, 50 KVA 480/240/208-120 VAC, for control panel and relays.
288	Rupture Basin, Weather Proof	382	Contactactor, 1 Pole, Power relay, 1 phase, to start 120 volt motors.
290	Rupture Basin Float Switch, 120 VAC With relay, Stops motor	400	Optional Color A. Hospital White B. Caterpillar Yellow C. Caterpillar Tan D. Cummins Desert Beige E. Onan Green F. GM Alpine Green G. Cummins Old Gold H. Kohler Blue I. Kohler Gold J. Waukesha Orange K. Air Force Blue L. Kohler Cream M. Gloss Black N. E&CA Gray S. Special Paint
290B	Rupture Basin Float Switch, 120 VAC Contact leads terminate in 1/2" connection box.		
295	Terminals for remote signal of option #290		
300	Pilot Light, Amber. 120 VAC Indicates power available		
301	Pilot Light, Red. 120 VAC Indicates low fuel level in remote main storage tank. Signal by others.		
304	Low Fuel Level Alarm, 120 VAC Float switch activates red light on control panel at 84% of usable fuel capacity. With relay, with relay contacts wired to terminal strip for remote alarm. Relay contacts rated 10 amp.		