

Tanks



LEE INDUSTRIES
Processing Perfection.™

If you're looking for a tank to store or process your product, our tanks are up for the job. Lee tanks are made to the strictest industry standards and will meet or exceed your certification requirements. We serve the food, beverage, pharmaceutical, personal care, cosmetics, specialty chemical, and animal food and health industries, each making a broad range of products. Whether you need to add a top head designed for pressure or vacuum applications, or a jacket for heating or cooling, Lee tanks are custom designed to give you the best version of your product.

Tank Standard Features

All Lee Tank Styles Feature:

- Finishes ranging from mill finish to less than 6 RA with luster or electropolish finishes
- Sanitary flanged rims
- Various certifications such as ASME and USDA
- Stainless steel construction

Lee Tank Outlet Features:

- Exclusive Lee designs permit shorter outlet fitting
- Optional Lee fluid transfer sanitary ball valve outlet

Lee Tank Support Features:

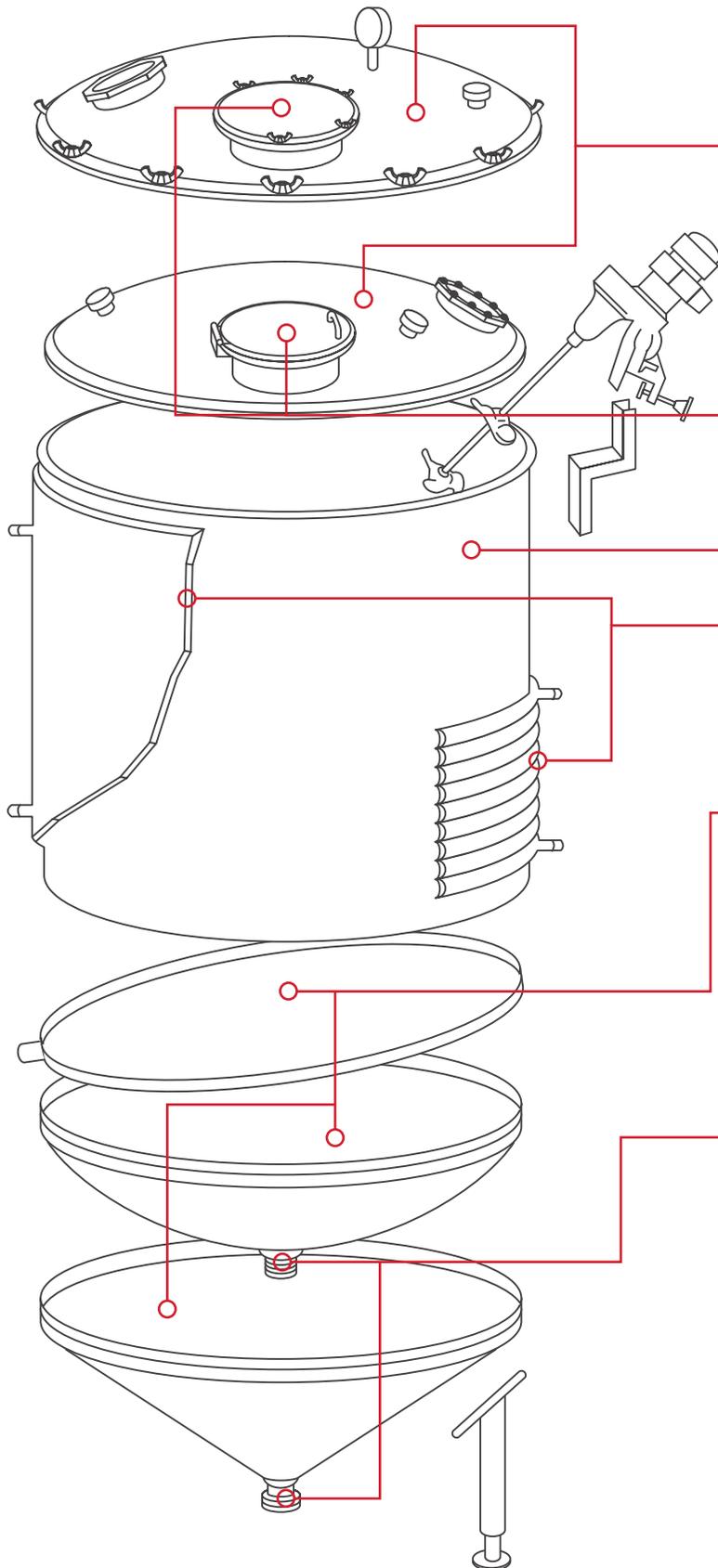
- Stainless steel pipe legs with fixed floor flanges

Lee Tank Options:

- Lee scraped-surface agitation or propeller mixer
- Temperature sensors
- Jackets for heating and/or cooling
- Insulation with stainless steel sheathing



While the style of tank you choose will have its own set of features, you also have the opportunity to choose from several other options.



Covers

Covers designed for atmospheric, pressure, or vacuum applications are available for all Lee tanks. Choose from:

- Bolt-on type
- Welded (to the cylinder)
- One-piece
- Sanitary Hinged
- Hinged cover with lift assist

Manways

Standard manholes are available for either head or cylinder mounting.

Cylinders

The diameter and depth of the tank cylinder can vary based on your size and process requirements.

Jackets

Three different heat transfer jacket options are available:

- Uniflow coil jacket
- Open/standard jacket
- Dimple jacket

Bottoms

We offer three styles of bottoms, each with its own advantage for various processing applications.

- **Pitched** offers excellent drainage for liquids and places the outlet on a horizontal axis.
- **Dished** offers center draining for more viscous products. Reverse dished bottoms are also available.
- **Cone** is ideal for viscous or semi-solid materials. The standard cone bottom angle is 120°, but can be varied to suit process or product requirements.

Outlets

All outlet connections are stainless steel, with one of the following options:

- Sanitary tri-clamp
- ASA flange
- Sanitary Acme thread
- I.P.S.

Lee manufactures flush ball valves, which are ideal tank outlets.

Electropolishing and Finishing

We recognize the demand for high-quality, durable, ultra-sanitary finishes. Lee provides world-class mechanical finishes and can also provide electropolish finishes on many of our parts and products.

TANK DIMENSIONS

Lee manufactures custom processing equipment based exclusively on your processing needs and spacial requirements. In order for you to get an idea of the size and capacity of some of the tanks we've manufactured, we've included dimensions for tanks with all three bottom options – pitched, dished and cone. Please see our agitator brochure for our various agitator options.

Pitched Bottom

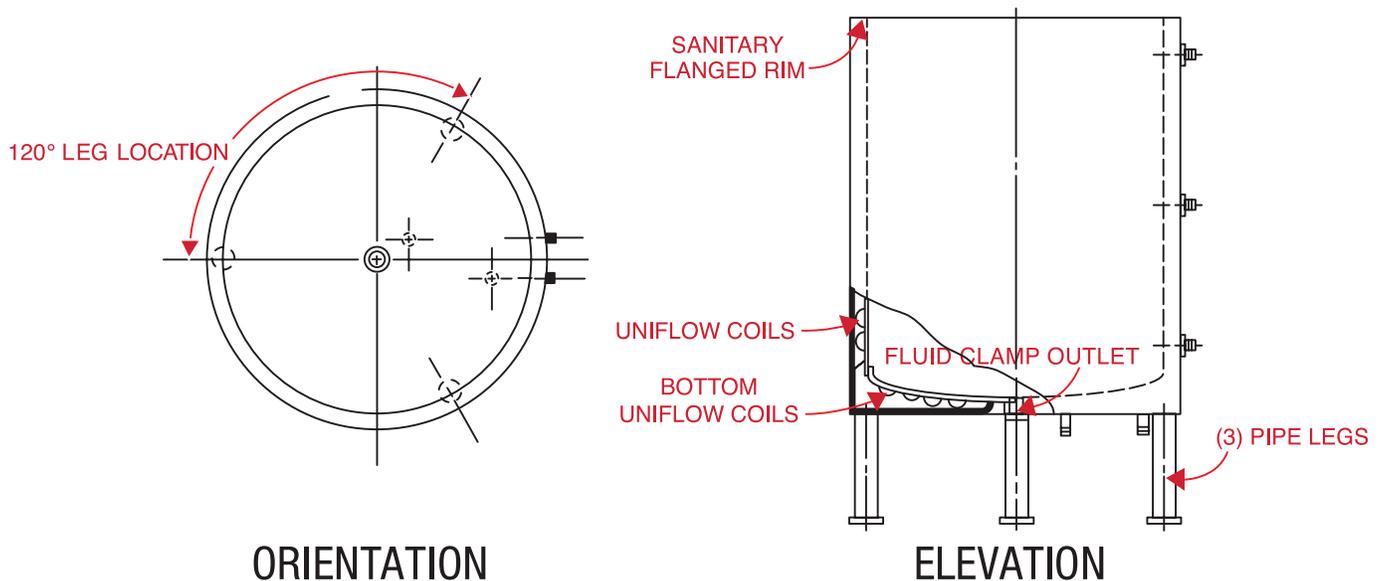
CAPACITY (GALS.)	25	50	75	100	125	150	200	250	300	400	500	600	700	800	1000	1500	2000
DIAMETER	23	26	30	30	34	38	38	42	46	48	52	56	60	64	66	74 ¹ / ₄	76 ¹ / ₄
DEPTH	16 ¹ / ₄	23 ³ / ₄	27 ¹ / ₄	35 ³ / ₈	34 ⁷ / ₈	34 ⁷ / ₈	46 ⁷ / ₈	46 ⁷ / ₈	46 ⁷ / ₈	58 ⁷ / ₈	70 ¹ / ₈	82 ³ / ₈	106 ³ / ₈				
OVERALL HEIGHT	31 ³ / ₄	39 ¹ / ₄	42 ³ / ₄	50 ⁷ / ₈	50 ³ / ₈	50 ³ / ₈	62 ³ / ₈	62 ³ / ₈	62 ³ / ₈	74 ³ / ₈	86 ³ / ₈	98	122				
OUTLET	1 ¹ / ₂	2	2	2	2	2	3	3	3	3	3	3					
DIST. OUTLET TO FLOOR	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
CRATED WEIGHT (LBS.)	175	225	250	300	325	350	425	475	485	545	590	730	795	875	955	1385	1645

Dished Bottom

CAPACITY (GALS.)	25	50	75	100	125	150	200	250	300	400	500	600	700	800	1000	1500	2000
DIAMETER	23	26	30	30	34	36	36	40	44	46	52	56	60	64	66	76 ¹ / ₄	76 ¹ / ₄
DEPTH	16 ¹ / ₄	24 ¹ / ₄	28 ³ / ₄	38	37 ⁷ / ₈	38	50	50 ⁵ / ₁₆	50 ⁵ / ₈	62 ⁷ / ₈	63 ³ / ₈	63 ¹¹ / ₁₆	64	64 ³ / ₈	76 ⁵ / ₈	88 ¹⁵ / ₁₆	112 ¹⁵ / ₁₆
OVERALL HEIGHT	32 ⁷ / ₈	40 ⁷ / ₈	45 ¹ / ₄	54 ⁵ / ₈	54 ¹ / ₂	54 ⁵ / ₈	66 ⁵ / ₈	67	67 ¹ / ₄	79 ¹ / ₂	80	80 ³ / ₄	81 ¹ / ₈	81 ¹ / ₂	93 ³ / ₄	106	130
OUTLET	1 ¹ / ₂	2	2	2	2	2	3	3	3	3	3	3					
DIST. OUTLET TO FLOOR	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
CRATED WEIGHT (LBS.)	175	225	250	300	325	350	425	475	515	595	610	750	815	905	985	1375	1700

Cone Bottom

CAPACITY (GALS.)	25	50	75	100	125	150	200	250	300	400	500	600	700	800	1000	1500	2000
DIAMETER	23	26	30	30	34	36	36	40	44	46	52	56	60	64	66	76 ¹ / ₄	76 ¹ / ₄
DEPTH	20 ¹ / ₄	28 ³ / ₄	33 ¹ / ₄	43 ¹ / ₂	44 ¹ / ₄	44 ³ / ₄	56 ⁵ / ₈	57 ¹³ / ₁₆	58 ¹⁵ / ₁₆	71 ¹ / ₂	73 ¹ / ₄	74 ¹ / ₈	75 ¹ / ₄	76 ³ / ₈	89	103 ⁷ / ₁₆	127 ⁷ / ₁₆
OVERALL HEIGHT	37	45 ³ / ₈	49 ⁷ / ₈	60 ¹ / ₈	60 ⁷ / ₈	61 ³ / ₈	73 ¹ / ₄	74 ¹ / ₂	75 ⁵ / ₈	88 ¹ / ₈	89 ⁷ / ₈	91 ¹ / ₄	92 ³ / ₈	93 ¹ / ₂	106 ¹ / ₈	120 ¹ / ₂	144 ¹ / ₂
OUTLET	1 ¹ / ₂	2	2	2	2	2	3	3	3	3	3	3					
DIST. OUTLET TO FLOOR	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
CRATED WEIGHT (LBS.)	175	225	250	300	325	350	425	475	515	595	620	770	830	935	1005	1415	1745





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