Metso

Driving performance with precision engineering

OKTOP® Feed Tank



Application

Ideal for stabilizing and homogenizing feed solutions before filtration, the OKTOP® Feed Tank ensures efficient mixing and prevents particle settling, optimizing the filtration process. The feed tank is also available for other applications, such as for tailings transfer pump tank after paste thickening.

Built on unmatched in-house expertise, the Metso OKTOP® Feed Tank features an efficient agitator that delivers superior quality, maximized buffer capacity and efficient mixing.



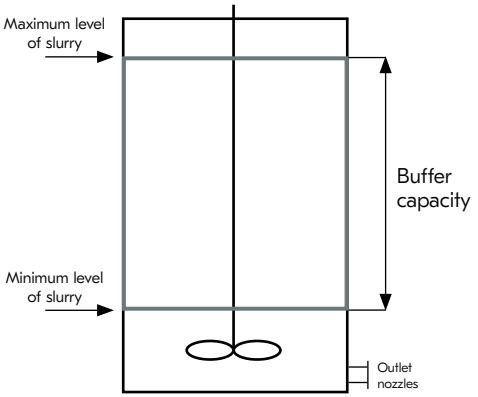
The OKTOP® Feed Tank is designed to provide stable and homogeneous feed from the tank for many applications. It can operate as a buffer and flow stabilizer before filtration, as a tailings transfer pump tank after paste thickening, and in numerous other roles throughout the process plant. The buffer capacity is optimized through agitator placement and tank for factor. The agitator provides complete suspension conditions inside the tank, thus preventing any particles from settling.

Maximized lifetime value

By lowering operating and maintenance costs while ensuring guaranteed maintainability, this results in maximized lifetime value of the feed tank. Metso's OKTOP® Feed Tanks include tank diameters ranging from 1000 - 16000 mm as well as full time life cycle services. Other sizes available in request.

Improved feed performance

Leveraging extensive research and experience from over 1200 OKTOP® reactor deliveries, it was designed with a deep understanding of agitational phenomena. The OKTOP® Feed Tank ensures optimal filtration efficiency, consistent process performance and improved overall plant reliability.



Benefits

- Provides stable and homogeneous feed
- Increased availability
- Lower operating and maintenance costs
- Reduced energy consumption
- Improved safety
- Maximized lifetime value

OKTOP® Feed Tank

Technical specifications







Tank diameter T ≤ 2000 mm

- Tank completely workshop welded and delivered as complete unit
- Tank roof included
- Agitator supported by the agitator nozzle located on the tank roof

Tank diameter 2000 < T ≤ 4000 mm

- Tank completely workshop welded and delivered as complete unit
- Tank roof included
- Safety railings
- Agitator with supporting beams supported by agitator nozzle on the tank roof

Tank diameter T ≥ 4500 mm

- Prefabricated bolted tank parts for site assembly. All parts fits to standard sea container
- Tank roof included
- Agitator with supporting beams supported by tank shell

Tank Internal Diameter (T)	mm	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
Tank Aspect Ratio (H/T)		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Tank Effective Volume	m^3	9	18	32	51	75	107	147	196	254	324	404	497	603	723	859	1010	1178
Tank Buffer Capacity	m^3	7.5	15	25	40	60	85	118	158	204	259	323	397	481	579	689	809	943
Tank Total Height	mm	4820	5610	6460	7250	8540	9340	10150	11970	13030	13800	14670	15220	16450	17620	18160	18940	19710

*Larger sizes are also available upon request, up to 16 000 mm in diameter

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