D-TOR

DYNAMIC TALL OIL REACTOR

Pinola

Kraft Soap Technology

The Pinola tall oil dynamic reactor's primary function is the reacting and splitting of tall oil soap with acid. Its unique two chamber design with impellers allows full flow contact eliminating short circuiting. This ensures the complete reaction of all jonic compounds at near stoichiometric balance.

The Pinola D-TOR is one of the key components in the Pinola Tall Oil Production Plant, TOPP, process and can also be incorporated into existing batch or continuous crude tall oil plants.

Pinola

D-TOR Dynamic Tall Oil Reactor

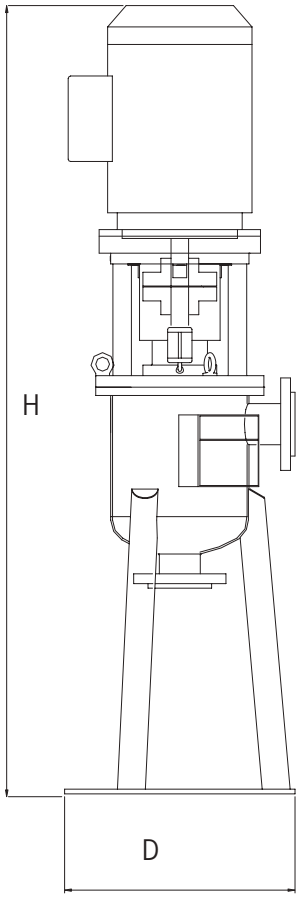
QUALITY	FEATURES	BENEFITS

• All wetted parts constructed of 316L stainless steel.
• Robust heavy duty design & construction.
• Design and construction to
  • PED
  • ASME
	• Small volume.
	• Short hold up time.
	• Reversible drive.
	• One piece mixing head.
	• Nominal capacity from 100tpd to 1000tpd
	• Max operating temp. 150°C.
	• Max opearting pressure 10 barg.
		• Lower acid requirements for acidulation process.
		• Increased tall oil quality as acid number.
		• Complete reaction of jonic compounds.

Technical specifications

	D-TOR100	D-TOR200	D-TOR500	D-TOR700	D-TOR1000
Nominal capacity (tpd)*	100	200	500	700	1000
Feed viscosity range (cSt)	10-100				
Max operating temp (°C)**	150				
Max pressure (barg)	10				
Material	Product wetted parts in acid proof stainless steel				
Motor (kW)	4.0	5.5	7.5	11	15
Operating speed (rpm) - variable speed motor 50/60 Hz	1500	1500	1000	1000	1000
Motor protection class	IP55				
Options	Vibration monitor and frequency converter				
Net weight (kg)	120	170	225	285	340
Shipping volume (m^3)	0.5	0.6	1.2	1.3	1.5
H (mm)	1300	1500	1700	1900	2100
D (mm)	400	400	500	600	700

* Actual capacities will vary depending on application
** Higher temperature possible upon request



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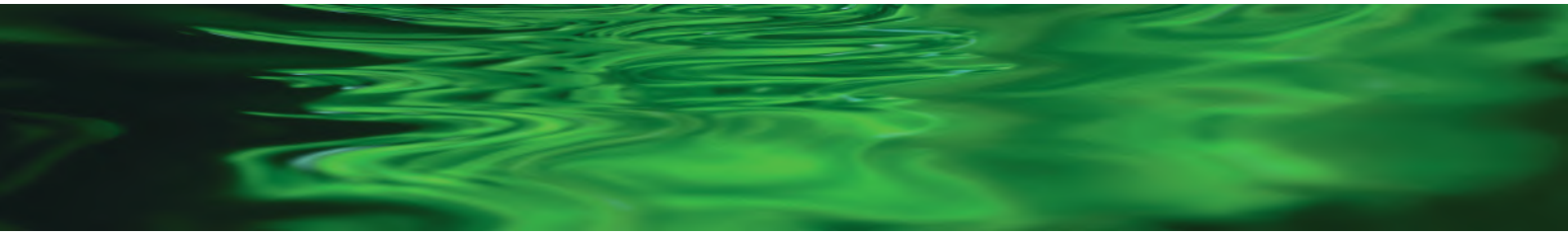

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