



CONDITIONING TANKS

Saint-Petersburg, 2020





PURPOSE AND FEATURES

RIVS Company manufactures vats for mechanical mixing of ore pulps and liquids **in contact with reagents**, as well as vats for pulp steaming.

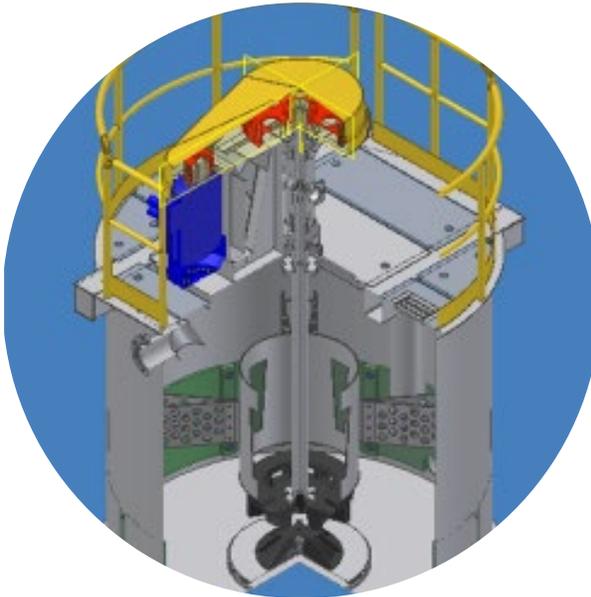
Vats are used in non-ferrous and ferrous metallurgy, in coal, chemical, construction and other industries.

The vats can be made of acid-resistant stainless steel.

STRUCTURAL FEATURES

- + presence of a recirculation device of various sizes and shapes,
- + ability to manufacture vats with mixing devices of various types,
- + possibility to adjust and maintain the specified pulp level by an automatic system,
- + possibility to complete vats with dosing devices for reagents supplying.

TANKS FOR PULP MECHANICAL MIXING



Vat for mechanical mixing of ore pulps and liquids is a cylindrical body with an impeller-type mixing device and baffles preventing the formation of funnels on the medium surface.

Stirring devices, usually of blade and turbine types, are protected by a polymer wear-resistant coating. Depending on the characteristics of the medium and the period of contact, the number of blades, their inclination angle, shape and power input may vary.

The vats are equipped with an air manifold for supplying air or other gases to the medium.

The pulp is unloaded either by gravity through a manifold in the upper part of the body, or forcedly by pumps through the pipes of the lower part of the body.

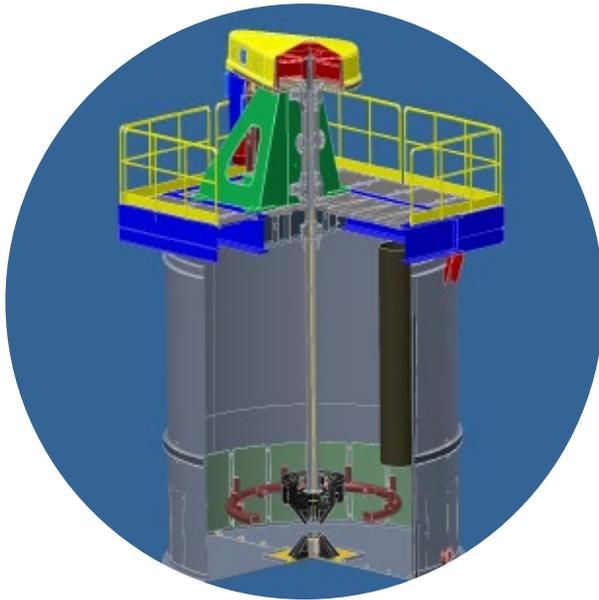
All vats are equipped with emergency discharge pipes with knife valves.

CONDITIONING TANKS FOR STEAMING

In such conditioning vats, in addition to mechanical stirring, a steaming operation is added - **heating the pulp with sharp steam.**

Steam is fed into the vat through a manifold of different shapes and dimensions depending on the heating intensity.

The collector can have a ring, half-ring, linear or given trajectory profiled shape. The collector can be either one or several, located in different parts of the vat. Getting into the collector, steam through the nozzles enters the pulp, heating it to the required temperature.



BASIC PARAMETERS

Parameter description	KCH-KCH-1,6 1	KCH-4	KCH-6,5	KCH-15	KCH-25	KCH-30	KCH-40	KCH-50	KCH-65	KCH-70	KCH-100	KCH-200	
Working volume (pulp in vat), m ³	1,0	1,6	4,0	6,5	15	25	30	40	50	65	70	100	200
Vat diameter (internal), mm	1200	1400	1800	2300	3090	3465	3500	4010	4000	4570	5000	6000	7000
Electric motor installed power, kW	5,5	7,5	18,5	30	37	45	45	55	55	75	90	132	160
Weight, kg	600	960	2160	4000	7200	9300	8600	11500	12500	13000	16000	29500	38000



THANK YOU FOR YOUR ATTENTION!

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