## Pump data sheet

Purpose of the	numn			Making vacuum in the system					
Purpose of the pump Pump type (vertical, horizontal, submersible pump,				Vacuum ( liquid-packed ring) pump or a gas					
etc.)				compressor/blower/vacuum system					
Process type (continuous, periodic)				Continuous					
Capacity	111 /11	10000 111 /11		Head	m		•		
0 11.		4000 1100		D'a da a a a a a a a a a a a a	1	through a 15	o m pipe		
Suction		-1200 mm H2O		Discharge pressure	bar	1,6			
pressure	0000								
Gas inlet	30 °C								
temperature									
Medium data									
Name of pumped over liquid			SO <sub>2</sub> ,	SO <sub>2</sub> , CO <sub>2</sub> , N.					
Chemical composition									
Propensity to crystallization, precipitation			No	No					
		firm inclusions		<b>-</b>					
Amount of the weighed firm particles				g/l No					
Additional information con. pumped medium			Know	Known from experience: necessary to apply titan alloys					
Installation									
Type of installation (indoor/under			Indo	Indoor					
cover/outdoor)	1	00		1 , 2 0 2		1	100		
Temperature		ОС	Min	10 °C		Max	40 °C		
Design feature	es, com	plete set							
Material				Titan					
Driver			Elect	Electric drive n=3000 rpm					
Necessity of an adjustable drive (the frequency			no	no					
converter)									
Voltage/power/phase				V/kW 380/130/3ph					
explosion protection requirement				Explosion proof and Fire proof					
			The	The area is gassy, but not highly explosive.					
			The	The motor to be proofed, sealed					
Quantity of pumps			piece	pieces 1					
Cooling liquid available			30 °C	30 °C H2O					
Notes			Durir	During Na and Ca disulfites preparation a gas is being					
				generated					
				There is a turbo compressor in the production string.					
				Capacity is 18000 m3\h, pressure1200 mm H2O					
			Jupe	Odpacity is 10000 movil, pressure 1200 mm rizo					
			The	The existing equipment is a turbo gas blower (gas turbocompressor) TG-300 (Uzbekkhimmash). Capacity is					
				10000 m3\h.					
			1000	io ino (ii.					
			Repl	Replacement purpose is power expansion.					
			The	The options to be considered: liquid ring pump, gas					
				turbocompressor					
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## Gas content:

SO <sub>2</sub>	0,2%
N	78%
CO <sub>2</sub>	21%
SO₂, S₂O₄, O₂ trace	0,8%