

Data sheet for Vertical Steel Tank

PROJECT STATEMENT (QUESTIONNAIRE)							PAGE1 OF 3				
Nº	VERTICAL TANK DESIGN										
IN ACCO	RDANCE WITH	GOST 31385-2016				X - tick where appropriate					
		_ сто	-CA-03-	-002							
PROJECT REPRESENTATIVE											
GENERAL DESIGNER											
ORDERING CUSTOMER											
CONSTRUCTION SITE ADRESS											
1 GENERAL DATA				-							
1.1 TANK NOMINAL VOLUME	m ³										
1.2 TANK TYPE			WITH STATIONARY ROOF			WITH FLOATING ROOF					
		V	VITHOUT	PONTOON			WITH PONTOON				
		WITHOUT SAFETY WALL			WITH SAFETY WALL						
1.3 SHELL DIMENSION: INSIDE I	DIAMETER			mm hight			mm				
1.4 TANK CLASS		3	а	:	3b		2a		2b		
1.5 TANK DESIGN-TO-LIFE CYCI			YEAR	S							
2 OPERATING CONDITIO	ONS										
2.1 STORED PRODUCT								_			
2.2 DENSITY								t/m³			
2.3 OPERATING FILLING LEVEL								mm			
2.4 DESIGN (MAX) FILLING LEVEL								mm			
2.5 SPECIFIED INTERIOR PRESSURE								kPa	no		
2.6 SPECIFIED INTERIOR VACUUM								kPa	no		
2.7 MAXIMUM STORAGE TEMPERATURE								°C			
2.8 AVERAGE TEMPERATURE OF THE COLDEST DAY, RELIABILITY OF 0,98 AS PER SP 131.13330.2012								°C			
2.9 RATED SNOW LOAD AS PER SP 20.13330.2016								kPa			
2.10 SPECIFIED WIND LOAD AS PER SP 20.13330.2016							kPa				
2.11 SEISMIC ACTIVITY IN THE AREA OF CONSTRUCTION A				ION AS PER SP 14.13330.2014			points				
2.12 SHELL HEAT INSULATOR	DENSITY	kg/m ³			³ THICKNESS			mm	no		
2.13 FOOF HEAT INSULATOR	ПЛОТНОСТЬ	потность			³ THICKNESS			mm	no		
2.14 STORED PRODUCT TURNO							cycle per year				
3 STRUCTURAL-TECHN	OLOGICAL PARA	METER	RS					_			
3.1 SHELL	MANUFACTURING	METHO	D	ROL	LING-UP			PLATE-BY-PLATE			
	CORROSION ALLO	WANCE		mm				no			
3.2 BOTTOM	MANUFACTURING	METHO	D	ROL	LING-UP			PLATE-BY-PLATE			
	SLOPE			то т	HE OUTSIDE			INWARDS	no		
	CORROSION ALLO	WANCE		mm				no			
3.3 STATIONARY ROOF	SHAPE			CONICAL		SPHER		IC			
	CONSTRUCTION			SHE	SHEALTH		WIREFF	RAME	PLATE		
	CORROSION ALLO	WANCE		mm				no			
3.4 STAIRCASE	HOOP (SPIRAL)					STAIR TOWER	no				
PERSON-IN-CHARGE (ENTERPI	RISE TITLE, JOB TITL	.E, FULI	L NAME,	PHONE	e, Fax, e-mail):						
DATA											
DOCUMENT REVISION DATA											
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MODERN TANK CONSTRUCTION TECHNOLOGY



PROJECT STATEMENT №	PAGE 2 OF 3											
3.5 SHUTDOWN VALVE	DN					pcs	no					
3.6 INTERCEPTION ROD ON THE SHELL WITH A HIGHT OF			m			pcs	no					
3.7 INTERCEPTION ROD IN THE CENTER WITH A HIGHT OF			m			no						
3.8 EARTH CONNECTION FASTE		pcs			no							
3.9 FRAMEWORK FOR FOAMER					pcs	no						
3.10 SUPPORTING ARM OF REFL	ye	yes			no							
3.11 ROUND DRILING SUMP WITH NOZZLES OF DIAMETER			DN			pcs	no					
3.12 TROUGH DRILING SUMP WITH NOZZLES OF DIAMETER			yes			pcs	no					
3.13 BOTTOM CLEANOUT BOX			00 X 600	600 X 900		900 X1200	no					
3.14 PONTOON	MATERIAL CARBON S	TEEL	EL STAINLESS ST			ALUMINIUM						
3.15 FLOATING ROOF	CONSTRUCTION	s	SINGLE-DECK			DOUBLE-DECK						
3.16 GUIDE 1	FOR INSTALLATION											
GUIDE 2	FOR INSTALLATION											
3.17 PROTECTING WALL	INSIDE DIAMETER		mm HIGHT			mm						
	MANUFACTURING METHOD					PLATE-BY-PLATE						
	CORROSION ALLOWANCE		mm			no						
3.18 SAFETY BOTTOM	3.18 SAFETY BOTTOM MANUFACTURING METHOD					PLATE-BY-PLATE						
	CORROSION ALLOWANCE		mm			no						
3.19 HEATER	TUBULAR	2		ELECTRICAL]	no					
	HEATING MODE		HEATING			SUPPORTING						
	HEATING TIME		DAYS									
	INITIAL PRODUCT TEMPERAT	URE	Ξ			°C						
	DESIRED PRODUCT TEMPER	ATURE	RE			_°C						
	HEAT TRANSFER MEDIUM		STEAM			WATER						
		OIL			ETHYLENE GLYCOL							
	PERATURE	RATURE			°C							
	EMPERATU	PERATURE]°C							
	WO				t/h							
	ESSURE	JURE			MPa							
3.20 ANTI-CORROSION PROTEC	TION											
	INSIDE SURFACE		yes			no						
	OUTSIDE SURFACE		yes			no						
4 DETAILS AND SPECIFIC CONDITIONS												
5 NOZZLES AND HATCHES												
5.1 NOZZLES AND HATCHES ARE GIVEN IN A FORM OF SPECIFICATION IN ACCORDANCE WITH LAYOUT CHART AT PAGE 3												
5.2 THE PARAMETERS OF THE NOZZLES AND HATCHES THAT ARE NOT SPECIFIED IN THE SPECIFICATIONS, ARE DESIGNED IN THE FOLLOWING WAY:												
- NOZZLES ARE DESIGNED OF TYPE S WITH FLANGES AS PER GOST 33259-2015 TYPE 01 OR 11, VERSION B, ROW 1 FOR NOMINAL PRESSURE 16 KP/CM2 FOR NOZZLES IN THE SHELL AND 2.5 KP/CM2 FOR NOZZLES IN THE ROOF; - DIMENSIONS A, B AND C ARE TAKEN IN ACCORDANCE WITH THE OPTIMUM DESIGN REQUIREMENTS.												
5.3 DURING PROJECT ENGINEERING, THE NOZZLES AND TANK HATCHES the LOCATION IN THE PLAN (the ANGLE α) AND the SIZE A CAN BE CHANGED TO the SMALLEST POSSIBLE VALUE IN ORDER TO MEET THE REQUIRENMENTS TO THE NOZZLES AND MANHOLES IN THE SHELL IN TERMS OF MINIMAL WELDED JOINTS DISTANCE. ALSO NOZZLES AND HATCHES IN THE ROOF SHOULD NOT FALL ON THE ROOF FRAME ELEMENTS AND ON THE CIRCULAR PLATFORM ON THE ROOF												
DOCUMENT REVISION DATA												
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