



REP. MARK	Nonbre QTY.	TYPE Typ.	Serie RATING	Face FACE	Ø N NOM. SIZE	Ødl x el	Service	Plan DRAWING	Service	MESSEUR CONNEX.	REP. MARK	Nonbre QTY.	TYPE Typ.	Serie RATING	Face FACE	Ø N NOM. SIZE	Ødl x el	Service	Plan DRAWING	MESSEUR CONNEX.
A3	1	VN	150#	RF	150	168.3x7.11/3.4	DISQUE DE RUPTURE	106	BURSTING DISC PIPE											
L4 (L2)	1	DIN 2635	40	C	80	88.9x5.49/3.05	ACTIONNEUR	117	ACTUATOR NOZZLE											
L3 (L1)	1	DIN 2635	40	C	80	88.9x5.49/3.05	ACTIONNEUR	117	ACTUATOR NOZZLE											
G1	1	VN	150#	RF	150	168.3x7.11/3.4	DEPART GAZ	114	GAS OUTLET NOZZLE											
J	1	WELDED	-	-	50	60.3x3.05/2.77	ALIMENTATION LIQ. DE RECHAUFFEUR	119	LIQUID TO PBU											
G2	1	WELDED	-	-	80	88.9x5.49/3.05	MISE A L'AIR	119	SAFETY LINE											
A1/A2	2	VN	150#	RF	150	168.3x7.11/3.4	SOUPAPE DE SECURITE	114	SAFETY VALVE LINE											
F2	1	DIN 2635	16	C	150/100	168.3x7.11/114.3x6.02	SOUTIRAGE	117	LIQUID OUTLET NOZZLE											
F1	1	DIN 2635	16	C	150/100	168.3x7.11/114.3x6.02	SOUTIRAGE	117	LIQUID OUTLET NOZZLE											
N (K)	1	SEE DWG.	SPECIAL	FF	750	762x6	TROU D'HOMME	106	INNER VESSEL MANHOLE											
Y	1	-	-	-	150	168.3x2.77	TUYAUTERIE DE DISPERSION	116	COLLECTOR PIPING											
Y2 (Y2)	1	-	-	-	15	21.3x3.73	PRISE DE PRESSION AZOTE	109	NITROGEN PRESSURE PIPE											
Y1 (V1)	1	-	-	-	15	21.3x3.73	PRISE DE PRESSION AZOTE	109	NITROGEN PRESSURE PIPE											
W5 (I2)	1	S0	150#	FF	200	219.1x8.18	INTRODUCTION DE PERLITE	105	PERLITE INLET											
W4 (I1)	1	S0	150#	FF	200	219.1x8.18	INTRODUCTION DE PERLITE	105	PERLITE INLET											
S (L)	1	S0	150#	FF	150	168.3x 7.11	SOUPAPE DE SECURITE	105	SAFETY VALVE											
V	1	SEE DWG.	SPECIAL	FF	500	508x9.53	EVEN DE SECURITE	105	SAFETY VENT											
T (N)	1	-	-	-	50	60.3x3.91	BALAYAGE AZOTE	105	NITROGEN SUPPLY											
V3 (M2)	1	SEE DWG.	SPECIAL	FF	1000	1016x8	TROU D'HOMME	105	OUTER ROOF MANHOLE											
V2 (M1)	1	SEE DWG.	SPECIAL	FF	1000	1016x8	TROU D'HOMME	105	OUTER ROOF MANHOLE											
V1 (M)	1	SEE DWG.	SPECIAL	FF	1000	1016x8	TROU D'HOMME	105	OUTER SHELL MANHOLE											
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							TUBULURES NOZZLES											TUBULURES		

LISTE DES PLANS LIST OF DRAWINGS	Object-Subject			Object-Subject			Object-Subject		
	Nr	Object-Subject		Nr	Object-Subject		Nr	Object-Subject	
101	GENIE CIVIL			110	PRESES DE TEMPERATURE		119	DETAILS TUB. GR 2 J.I. 12 L5	
	CIVIL ENGINEERING				TEMPERATURE TEST CONNECTION			NOZZLES DETAILS GR 2 J.I. 12 L5	
	102	ENSEMBLE		111	BALAYAGE AZOTE		120	ESCALIER INTERIEUR A PLATEFORME	
	GENERAL DRAWING				NITROGEN SUPPLY			INNER STAIR AND PLATFORM	
	103	RESERVOIR INTERIEUR		112			121	ESCALIER SUR VIDE	
	INNER VESSEL							PLATFORM ON SHELL	
	104	RESERVOIR EXTERIEUR		113	ESCALIER		122	PLaque PLATE	
	OUTER CASING				STAIRS			PLAQUE FORME	
	105	DETAILS V1 V2 V3 V5 V6 V7 V11 V12		114	DETAILS TUB. GL AI A2				
	DETAILS V1 V2 V3 V5 V6 V7 V11 V12				NOZZLES DETAILS GL AI A2				
106	DETAILS TUB N A3			115	DETAILS TRAVERSES THERMIQUES				
	IND. DETAILS N A3				THERMAL SLEEVES DETAILS				
	107	ANCHAGE RESERVOIR INTERIEUR		116	DETAILS TUB. C12 R1 TO R5 Y D				
	INNER VESSEL ANCHORING				NOZZLES DETAILS C12 R1 TO R5 Y D				
	108	SUPPORTS CONELLE INTERIEUR		117	DETAILS TUB. F1 F2 R3 L4 L6 G H				
	INNER LADDER SUPPORTS				NOZZLES DETAILS F1 F2 R3 L4 L6 G H				
	109	TABLÉAU CONTRÔLE AZOTE							
	NITROGEN CONTROL BOARD								

[illegible]

NOTES	NOTES	
5	Profil du filetage/Profile of thread	ISO
4	Percage des brides soudees	WERS AXES
3	Drilling of flanges bolt holes	STRABALE
2	Decapage des parties inox	{ Intr. Inside } NETTOYÉES ET DÉGRASSÉES
1	Fixing of SS parts	{ Extr. Outside } CLEANED AND DEGREASSED
	Soudures	BOITES
	Welds	AS WELDED
	Peinture de parties AC	1 COUCHE PEINTURE AU ZINC
	Painting of CS parts	1 COAT OF ZINC PAINT

GENERAL REQUIREMENTS		GENERAL REQUIREMENTS		GENERAL REQUIREMENTS	
Sauf indication contraire les pressions indiquées sont effectives		Sauf indication contraire les pressions indiquées sont effectives		Sauf indication contraire les pressions indiquées sont effectives	
Unless otherwise shown gauge pressure are shown		Unless otherwise shown gauge pressure are shown		Unless otherwise shown gauge pressure are shown	
1 bar=1.02 Kgf/Cm2	1 Kgf/Cm2 = 14.2 PSI				
Appareil a pression de	Pressure medium				
Densite du liquide	Liquid density	Kg/m3	812	/	/
Densite de la perlite	Perlite density	Kg/m3	/	/	56
SERVICE	Pression phase gaz	Vapour space press.	BAR	+0.06 to +0.2	+0.005
	temperature	Temperature	°C	-196	20
Operating	Depression max.	Max. negative pressure	BAR	-0.0022	-0.0022
	Pression phase gaz	Vapour space press.	BAR	+0.2	+0.010
CALCUL	temperature	Temperature	°C	-196	20
	Depression max.	Max. negative pressure	BAR	-0.005	-0.005
Design	Strength factor for welding		/	/	/
Coefficient de joint	Hydro pneumatic press.	BAR	0.25	0.0125	
EPREUVE	Task filled with water up to the operating capacity.				
Test	Radiography		SEE CRYO SPEC 25		
Radiographie	Corrosion allowance	mm	/	/	/
Corrosion	Vhd			45 m/s	
Vent	Snow			140 kg/m2	
Nelge	Static load			Zone 2B (I=1 & S3 type)	
Seisme	Inspection			/	
Inspection	Construction code		API 620 + App. Q + L Ed 10		
Code de construction	Mature of contents		LIN		
Produit stocke	None plate		SEE DWG 122		
Plaque d'identite					

E	12/05/05	Modified calibration item Z72022	HENRIENS	HULIN	LEBOUCQ
D	23/03/05	Modified stiffener posit. of outer cas.	REMY	HULIN	LEBOUCQ
C	03/03/05	Modified according to ind C	NANTIER	HULIN	LEBOUCQ
B	10/02/05	Modif. according issue B	HENRIENS	HULIN	LEBOUCQ
A	05/11/04	FINAL ISSUE	HENRIENS	HULIN	LEBOUCQ
0	28/07/04	1 ^{ERE} EMISSION / FIRST ISSUE	DUPRESSOIR	HULIN	LEBOUCQ
IND ISS	DATE	DESIGNATION	FAIT PAR DRW. BY	VERIFIE CHECKED BY	APPROUVE CERTIFIED BY
DESIGNATION DESIGNATION			CLIENT/CUSTOMER MESSER		
1 RESERVOIR DE STOCKAGE LIN 1000MT 1000MT LIN STORAGE TANK GENERAL DRAWING B72001			REF.CLIENT/CUSTOMER REF. ASU KOSICE		
			N° FAB./MANUFACTURE Nbr		
			REF.CMP 783		
			 ECHELLE/SCALE 1/60		
			DOCUMENT NUMBER		
1, Rue Copernic - Z.I. Nord 13100 ARLÈS T: 04.90.93.33.30			DÉPARTEMENT CRYOGENIE SOISSONS 13, Avenue de Coney 92380 SOISSONS		
			783-102		