



*Constructions Métalliques
et Préfabrication d'Arles*

1, Rue Copernic - Z.I. Nord - 13200 ARLES

☎ : 04.90.93.33.30 - Téléfax : 04.90.93.33.31

Client/Customer : AIR LIQUIDE AGS GmbH
Document N° 783-QCD101

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CHAPTER 3

PART LISTS



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Dossier CMP Arles : 783

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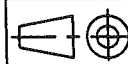
Client / Customer : AIR LIQUIDE AGS GmbH Engineered System N° :

Rev 0

Plan N° : 783-103

NOMENCLATURE/LISTE DE COLISAGE

PART LIST/PACKING LIST



Echelle/Scale

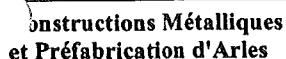
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3.1	5	ELEMENT DE VIROLE (shell) 1995x6130x6	A240 304	3.1b	2935	3
3.2	5	ELEMENT DE VIROLE (shell) 1995x6130x6	A240 304	3.1b	2935	3
3.3	5	ELEMENT DE VIROLE (shell) 1995x6129x5	A240 304	3.1b	2446	4
3.4	5	ELEMENT DE VIROLE (shell) 1995x6129x5	A240 304	3.1b	2446	4
3.5	5	ELEMENT DE VIROLE (shell) 1995x6129x5	A240 304	3.1b	2446	4
3.6	5	ELEMENT DE VIROLE (shell) 1995x6129x5	A240 304	3.1b	2446	4

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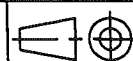


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Rev A

PART LIST/PACKING LIST



Echelle/Scale

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Rev B

Client / Customer : AIR LIQUIDE AGS GmbH Engineered System N° :

Plan N° : 783-103

NOMENCLATURE/LISTE DE COLISAGE
PART LIST/PACKING LIST

Echelle/Scale
1

3.G	1	TOLE (plate) thk 6 dia 800		A240 304	3.1b	23	3
4.1	1	ELEMENT DE FOND (bottom) 4400x2000x5		A240 304	3.1b	352	788
4.2	2	ELEMENT DE FOND (bottom) 2100x2000x5		A240 304	3.1b	336	788
4.3	1	ELEMENT DE FOND (bottom) 4170x2000x5		A240 304	3.1b	334	788
4.4	3	ELEMENT DE FOND (bottom) 4170x2000x5		A240 304	3.1b	1001	788
4.5	1	ELEMENT DE FOND (bottom) 1340x2000x5	B	A240 304	3.1b	108	788
4.6	4	ELEMENT DE FOND (bottom) 2142x1230x5		A240 304	3.1b	422	788
4.7	1	ELEMENT DE FOND (bottom) 1340x2000x5	B	A240 304	3.1b	108	788
pb	1	TOLE (plate) thk 7 (annular bottom ring section)		A240 304	3.1b	86	9
10	420	PONTET (scaffolding support) U80x40 Lg 60 thk 5		A240 304	3.1b	152	4
6.1	4	SECTEUR D'ANNEAU D'EMBASE (annular bottom ring section) sub-assembly item				1285	
6a	3	TOLE (plate) thk 7		A240 304	3.1b		9
6.2	1	SECTEUR D'ANNEAU D'EMBASE (annular bottom ring section) sub-assembly item				172	
6a	2	TOLE (plate) thk 7		A240 304	3.1b		9
7.1	5	SECTEUR D'ANNEAU DE COMPRESSION (compression ring section) sub-assembly item				1260	
7a	3	TOLE (plate) thk 15		A240 304	3.1b		10
5	65	ELEMENT DE FRETTE(stiffening ring section) Lg:5000 sub-assembly item				3088	
5a	1	TOLE (plate) thk 5		A240 304	3.1b		11
5b	1	TOLE (plate) thk 5		A240 304	3.1b		11
8	8	OREILLE DE LEVAGE (lifting lug) sub-assembly item				40	
8a	1	FOURRURE (pad) 120x200x8		A240 304	3.1b		12A
8b	1	TOLE (plate) thk 15		A240 304	3.1b		10
						8767	
REP	Qty	DESIGNATION	REV	NORME/NUANCE	ENIG204	POIDS NET Kg	CERTIF. G
ITEM	Qty	DESIGNATION	REV	NORM/MATERIAL	CERTIF	NET WEIGHT	MSA EX

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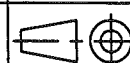
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Rev 0

Plan N° : 783-104

NOMENCLATURE/LISTE DE COLISAGE

PART LIST/PACKING LIST



Echelle/Scale

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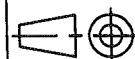


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Rev A

PART LIST/PACKING LIST



Echelle/Scale

1	2	1/2 CALOTTE (cap) dia. 4950 thk.10 (1)	A283 grC	3.1b	992	16
2	18	ELEMENT DE DOME (outer casing roof) thk.6 (1)	A283 grC	3.1b	6022	14-15
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PACKED ON SADDLE N°09 </div>						
(1) sandblasted SA 2.5 and prepainted with primer of zinc 20 microns (both sides)						
					7014	

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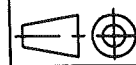
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Rev A

Plan N° : 783-104**NOMENCLATURE/LISTE DE COLISAGE**
PART LIST/PACKING LIST

Echelle/Scale

4.1	1	ELEMENT DE FOND (bottom) 2000x5100x5 (2)	A283 grC	3.1b	} 6120	14
4.2	2	ELEMENT DE FOND (bottom) 2000x3840x5 (2)	A283 grC	3.1b		
4.3	2	ELEMENT DE FOND (bottom) 2000x2714x5 (2)	A283 grC	3.1b		
4.4	4	ELEMENT DE FOND (bottom) 2000x4960x5 (2)	A283 grC	3.1b		
4.5	2	ELEMENT DE FOND (bottom) 2000x1420x5 (2)	A283 grC	3.1b		
4.6	4	ELEMENT DE FOND (bottom) 2000x4969x5 (2)	A283 grC	3.1b		
4.7	4	ELEMENT DE FOND (bottom) 1470x4083x5 (2)	A283 grC	3.1b		14
5.1	7	PLAT 150x20 (ring) Lg ~ 5600	EN10025 S235JRG2*	/	941	
5.2	7	PLAT 150x20 (ring) Lg ~ 5600	EN10025 S235JRG2*	/	941	
5.3	7	PLAT 150x20 (ring) Lg ~ 5600	EN10025 S235JRG2*	/	941	
5.4	7	PLAT 150x20 (ring) Lg ~ 5600	EN10025 S235JRG2*	/	941	
6.1	3	UPN 140 Lg ~ 5300	EN10025 S235JRG2*	/	255	
6.2	6	UPN 140 Lg ~ 5300	EN10025 S235JRG2*	/	509	
9	290	PONTET (scaffolding support) U80x40 Lg 60 thk 5	A EN10025 S235JRG2*	/	105	
10	2	PLAQUE MISE A LA TERRE (earthing boss)	A SS	/	1	
8	9	OREILLE DE LEVAGE (lifting lug) sub-assembly item			35	
8a	1	FOURRURE (pad) 140x250x10	EN10025 S235JRG2*			
8b	1	TOLE (plate) thk 15	EN10025 S235JRG2*			
(2) Delivered of 15 plates 2000x5100x5x for this items sandblasted SA 2.5 and prepainted with primer of zinc 20 microns (both sides)						10789
* or equivalent						

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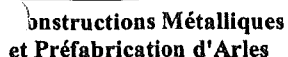
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Echelle/Scale
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Rev 0

Client / Customer : AIR LIQUIDE AGS GmbH Engineered System N° :

Plan N° : 783-108

NOMENCLATURE/LISTE DE COLISAGE
PART LIST/PACKING LIST

Echelle/Scale
/

PIECES LIVREES NON ASSEMBLEES
ITEMS DELIVERED IN SEPARATES PARTS.

1	6	GOUSSET (gusset) 135x100/50x6	A240 304/304L*	/	—
2	4	GOUSSET (gusset) 6x50x40	A240 304/304L*	/	—
3	2	ROND (rod) Ø20 lg=1150	A479 304/304L*	/	—
4	4	CABLE (cable) Ø3 lg=1000	S.S.	/	—
5	4	BAGUE (ring) Ø50 lg=50	TEFLON	/	—
6	4	CROCHET (hook)	S.S.	/	—
7	16	SERRE CABLE Ø5 (bending screw Ø5) with lock nut	S.S.	/	—
8	8	SERRE CABLE Ø3 (bending screw Ø3) with lock nut	S.S.	/	—
9	4	RESSORT (spring)	S.S.	/	—
10	1	ECHELLE "ABA" (ladder)	CABLE 304/304L	/	—
			BARS ALUMINIUM		

* or equivalent

REF	QTY	DESIGNATION	NORME	MAT	CERT	REVISION
ITEM	QTY	DESIGNATION	NORME	MAT	CERT	REVISION

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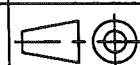
Engineered System N° :

Rev A

Plan N° : 783-114.A2

NOMENCLATURE/LISTE DE COLISAGE

PART LIST/PACKING LIST



Echelle/Scale

NOZZLE A2								
S/E.1	1	SUB-ASSEMBLY INCLUDING ITEMS:					23	
TU4	1	TUBE (pipe) RS 8" Sch 10S				A312 TP304L	/	
B3	1	BRIDE (flange) 8" WN 150# FF ANSI B16.5 Ra : 3,2 to 6,3				A	A182 F304L	/
S/E.2	1	SUB-ASSEMBLY INCLUDING ITEMS:					40.5	
3b	1	TOLE (plate) Ø498x12				A240 304/304L	/	
3a	1	MANCHETTE (pipe) Ø508 O.D Thk.4				A240 304/304L	/	
S/E.3	1	SUB-ASSEMBLY INCLUDING ITEMS:					3	
R	1	TOLE (plate) Ø340x6				A240 304	3.1b	34
M	1	1/2 MANCHON(half coupling) 1/4" NPT				304L/316L*	/	
S/E.4	1	SUB-ASSEMBLY INCLUDING ITEMS:					30	
1a	2	COMPENSATEUR (compensator) DN150 PN1				304L*/321	3.1b	SEE CHAPTER
Axial : ±50 Lateral : ±6								
TU1	1	TUBE (pipe) ESS 6" Sch 40S				A312 TP304L	3.1b	7.1
TU2	1	TUBE (pipe) RS 6" Sch 10S				A312 TP304L	/	
TU3	1	TUBE (pipe) RS 6" Sch 10S				A312 TP304L	/	
S/E.5	1	SUB-ASSEMBLY INCLUDING ITEMS:					22	
31	1	BRIDE (flange) 6" WN 150# RF ANSI B16.5 Ra : 3,2 to 6,3				A182 F304L	/	
32	1	BRIDE (flange) 6" WN 150# FF ANSI B16.5 Ra : 3,2 to 6,3				A182 F304L	/	

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Client / Customer : AIR LIQUIDE AGS GmbH

Engineered System N° :

Rev A

Plan N° : 783-114.G1

NOMENCLATURE/LISTE DE COLISAGE
PART LIST/PACKING LIST

Echelle/Scale
/

NOZZLE G2									
S/E.1	1	SUB-ASSEMBLY INCLUDING ITEMS:						15	
R1	1	REDUCTION 4"/6" (Concentric reducer 4"/6" Sch 10S)		A403 WP304L	/				
B	1	BRIDE (flange) 4" WN 150# RF ANSI B16.5 Ra : 3,2 to 6,3	A	A182 F304L	/				
CO1	1	COUDE (elbow) RS LR 6"sch 10S		A403 WP304L	/				
S/E.2	1	SUB-ASSEMBLY INCLUDING ITEMS:						50	
3a	1	TOLE (plate) Thk.12		A240 304/304L	/				
3b	1	MANCHETTE (pipe) Ø508 O.D Thk.5		A240 304/304L	/				
S/E.3	1	SUB-ASSEMBLY INCLUDING ITEMS:						3	
R	1	TOLE (plate) Ø340x5		A240 304	3.1b				4
M	1	1/2 MANCHON(half coupling) 1/4" NPT		304L/316L*	/				
S/E.4	1	SUB-ASSEMBLY INCLUDING ITEMS:						30	
1a	2	COMPENSATEUR (compensator) DN6" PN1		321	3.1b				SEE CHAPTER 7.1
TU1	1	TUBE (pipe) ESS 6" Sch 40S		A312 TP304L	3.1b				
TU2	1	TUBE (pipe) RS 6" Sch 10S		A312 TP304L	/				
TU3	1	TUBE (pipe) RS 6" Sch 10S		A312 TP304L	/				
S/E.5	1	SUB-ASSEMBLY INCLUDING ITEMS:						21	
R1	1	REDUCTION 4"/6" (Concentric reducer 4"/6" Sch 10S)		A403 WP304L	/				
B	1	BRIDE (flange) 4" WN 150# RF ANSI B16.5 Ra : 3,2 to 6,3	A	A182 F304L	/				
TU4	1	TUBE (pipe) RS 6" Sch 10S Lg.805		A312 TP304L	/				
PIECES LIVREES NON ASSEMBLEES ITEMS DELIVERED IN SEPARATE PARTS									
4	0.5	ROULEAU DE LAINE DE ROCHE (rockwool rool)			/			5	
E	32 + 4	ECROU (nut) HM16		A194 8M	/			1.6	
TF	16 + 2	TIGE FILETEE (threaded stud) M16x100		A193 B8M CI 1	/			3.2	
J	2	JOINT (gasket) Ø174x114x3		KLINGERSIL	/			0.1	
				C4430					
5	2	CORNIERE (angle) L 50x50 thk.5 Lg.1450 (1)		A240 304/304L	/			11	
6	1	CORNIERE (angle) L 50x50 thk.5 Lg.350		A240 304/304L	/			1.5	
7	2	CORNIERE (angle) L 50x50 thk.5 Lg.410		A240 304/304L	/			3.2	
8	1	ETRIER FILETE (threaded fork) Ø12 for pipe 6"		SS	/			0.1	
9	6	ECROU (nut) HM12		SS	/			0.1	
10	2	RONDELLE (washer) L12		SS	/			0.1	
11	2	TOLE (plate) 100x100x5		A240 304/304L	/			1	
								146	
									* or equivalent
REP	QTY	DESIGNATION	REV	NORME/NUANCE	ENI0204	POIDS NET Kg	POIDS BRUT Kg		
ITEM	QTY	DESIGNATION	REV	NORM/MATERIAL	CERTIFICAT	NET WEIGHT	GROSS WT		

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RevA

Plan N° : 783-116.D

NOMENCLATURE/LISTE DE COLISAGE
PART LIST/PACKING LIST

Echelle/Scale	
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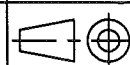
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Engineered System N° :

Rev 0

Plan N° : 783-116.E1

NOMENCLATURE / LISTE DE COLISAGE
PART LIST / PACKING LIST



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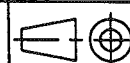
PIECES LIVREES NON ASSEMBLEES
ITEMS DELIVERED IN SEPARATES PARTS

REP	Qté	DESIGNATION	rev	NORME/NUANCE	EN10204	POIDS NET kg	CERTIF N° or
ITEM	Qty	DESIGNATION	rev	NORM/MATERIAL	CERTIF	NET WEIGHT	VISA EXP
CO1	1	COUDE (elbow) RS LR 3" Sch.10S 90°		A403 WP304L*	/	1.2	
CO2	1	COUDE (elbow) RS LR 3" Sch.10S 90°		A403 WP304L*	/	1.2	
TU2	1	TUBE (pipe) SS 3" Sch.10S lg: 4000 (1)		A312 TP304L*	/	26	
TU3	1	TUBE (pipe) RS 3" Sch.10S lg: 900 (1)		A312 TP304L*	/	6	
TU4	2	TUBE (pipe) RS 3" Sch.10S lg: 6000		A312 TP304L*	/	78	
1	2	TOLE (plate) 90x100x5		A240 304/304L*	/	1	
2	1	TOLE (plate) thk.5		A240 304/304L*	3.1b	1.5	4
3	6	TOLE (plate) thk.5		A240 304/304L*	/	2	
6	0.5	ROULEAU DE LAINE DE ROCHE (rockwool rool)		/	/	5	
(1) including overlength of 200 mini							
* or equivalent							
							122

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PART LIST / PACKING LIST**Echelle/Scale**
/

		NOZZLE E2									
S/E.1	1	SUB-ASSEMBLY INCLUDING ITEMS:								12	
B	1	BRIDE (flange) DIN 2635 2" FORM C Ra: 3,2 to 6,3					A182 F304L*	/			
RE1	1	REDUC. CONC. (conc. Reducer) 3"x2" Sch.10S					A403 WP304L*	/			
TU1	1	TUBE (pipe) RS 3" sch 10S lg:825 (1)					A312 TP304L*	/			
E.2	1	SUB-ASSEMBLY INCLUDING ITEMS:								15	
U5	1	TUBE (pipe) RS 3" sch 10S lg:685					A A312 TP304L	/			
CO3	1	COUDE (elbow) RS LR 3" Sch.10S 90°					A403 WP304L*	/			
CO4	1	COUDE (elbow) RS LR 3" Sch.10S 45°					A A403 WP304L*	/			
CO5	1	COUDE (elbow) RS LR 3" Sch.10S 90°					A A403 WP304L*	/			
TU6	1	TUBE (pipe) SS 3" Sch.40S lg:255					A A312 TP304L	3.1b			21A-B
S/E.3	1	SUB-ASSEMBLY INCLUDING ITEMS:								3	
R	1	TOLE (plate) thk.6 Ø200					A A240 304	3.1b			34
M	1	1/2 MANCHON (half coupling) 1/4"NPT					304L/316L*	/			
S/E.4	1	SUB-ASSEMBLY INCLUDING ITEMS:								6	
CO1	1	COUDE (elbow) RS LR 3" Sch.10S 90°					A403 WP304L*	/			
TU6	1	TUBE (pipe) RS 3" Sch.10S lg:700 (2)					A312 TP304L	/			

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Client / Customer : AIR LIQUIDE AGS GmbH **Engineered System N° :**

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Plan N° : 783-116.R1

NOMENCLATURE / LISTE DE COLISAGE
PART LIST / PACKING LIST

	Echelle/Scale /
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S/E	Qte	DENOMINATION	NORME/NORMANCE	MATIERE	Poids net kg	CERTIFICATION
ITEM	Qté	DENOMINATION	NORME/MATERIAU	CERTIF.	NET WEIGHT	VISA EX
NOZZLE R2						
S/E.1	1	SUB-ASSEMBLY INCLUDING ITEMS:			18	
B	1	BRIDE (flange) DIN 2635 2" FORM C Ra: 3,2 to 6,3	A182 F304L*	/		-
TU1	1	TUBE (pipe) RS 2" sch 10S lg:1125 (1)	A312 TP304L*	/		-
4	1	TUBE (pipe) RS 10" sch 5S lg:355	A312 TP304L*	/		-
5	1	TOLE (plate) Ø300 thk.5	A240 304/304L*	/		-
S/E.2	1	SUB-ASSEMBLY INCLUDING ITEMS:			10	
TU5	1	TUBE (pipe) RS 2" sch 10S lg:1932	A312 TP304L	/		-
CO3	1	COUDE (elbow) RS LR 2" Sch.10S 90°	A403 WP304L*	/		-
CO4	1	COUDE (elbow) RS LR 2" Sch.10S 90°	A403 WP304L*	/		-
TU6	1	TUBE (pipe) SS 2" Sch.40S lg:168	A312 TP304L	3.1b		20A-B
S/E.3	1	SUB-ASSEMBLY INCLUDING ITEMS:			3	
R	1	TOLE (plate) thk.6 Ø160	A240 304	3.1b		34
M	1	1/2 MANCHON (half coupling) 1/4"NPT	304L/316L*	/		-
(1) including overlength of 200 mini						
* or equivalent						
					31	

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Client / Customer : AIR LIQUIDE AGS GmbH **Engineered System N° :**

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NOMENCLATURE / LISTE DE COLISAGE
PART LIST / PACKING LIST

Echelle/Scale
/

		PIECES LIVREES NON ASSEMBLEES ITEMS DELIVERED IN SEPARATES PARTS					
CO1	1	COUDE (elbow) RS LR 2" Sch.10S 90°	A403 WP304L*	/	0.5	—	
CO2	1	COUDE (elbow) RS LR 2" Sch.10S 90°	A403 WP304L*	/	0.5	—	
TU2	1	TUBE (pipe) SS 2" Sch.10S lg: 2800 (1)	A312 TP304L*	/	11	—	
TU3	1	TUBE (pipe) RS 2" Sch.10S lg: 5150 (2)	A312 TP304L*	/	21	—	
TU4	2	TUBE (pipe) RS 2" Sch.10S lg: 6000	A312 TP304L*	/	48	—	
1	2	TOLE (plate) 65x100x5	A240 304/304L*	/	1	—	
2	1	TOLE (plate) thk.5	A240 304/304L*	3.1b	1.5	L	
3	6	TOLE (plate) thk.5	A240 304/304L*	/	2	—	
6	0.5	ROULEAU DE LAINE DE ROCHE (rockwool rool)	/	/	5	—	
7	1	TUBE (pipe) O.D.600 Thk. 2 to 5	A EN10025	/	8	—	
			S235 JRG2*				
		(1) including overlength of 200 mini			99		
		(2) including overlength of 500 mini	* or equivalent				
RDT	CRC	DESIGNATION	NORME/NUEANCE	EN10204	ZODS NET kg	CERTIF	VISA
ITEM	Qty	DESIGNATION	NORM/MATERIAL	CERTIF	NET WEIGHT	MATERIAL	

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Plan N° : 783-116.Y

NOMENCLATURE/LISTE DE COLISAGE

PART LIST/PACKING LIST



Echelle/Scale

S/E.1		NOZZLE Y SUB-ASSEMBLY INCLUDING ITEMS				
1	2	DEMI-TREMIE (half-hopper) Thk.5	A240 304*	/	8	—
		PIECES LIVREES NON ASSEMBLEES ITEMS DELIVERED IN SEPARATES PARTS				
2a	7	TOLE (plate) 1296x100x5	A240 304*	3.1b	37	4
b	7	TOLE (plate) 216x100x5	A240 304*	/	6	—
3a	4	COLLIER (collar) 446x50x5	A240 304*	/	4	—
3b	4	TOLE (plate) 356x100x5	A240 304*	3.1b	6	4
4	1	TOLE (plate) Ø180 Thk.5	A240 304*	/	1	—
TU1	2	TUBE (pipe) RS 6" sch 5S lg:6000	A312 TP304L*	/	136	—
TU2	1	TUBE (pipe) RS 6" sch 5S lg:5000 (1)	A312 TP304L*	/	57	—
TU3	1	TUBE (pipe) RS 6" sch 5S lg:6000	A312 TP304L*	/	78	—
TU4	1	TUBE (pipe) RS 6" sch 5S lg:3400 (1)	A312 TP304L*	/	39	—
CO1	1	COUDE (elbow) RS 6" sch 5S LR 90°	A403 WP304L*	/	4	—
		(1) including an overlength of 500 mini	* or equivalent		376	
REP.	Q/c	DENIGNATION	NORM/DANCE	CERTIF	FONDS NET WT	CERTIF N
ITEM	Qty	DENIGNATION	NORM/MATERIAL	CERTIF	NET WEIGHT	VISA EN

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NOMENCLATURE/LISTE DE COLISAGE

PART LIST/PACKING LIST



Echelle/Scale

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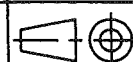
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Engineered System N° :

Rev A

Plan N°: 783-117.F2/L4

NOMENCLATURE/LISTE DE COLISAGE



Echelle/Scale

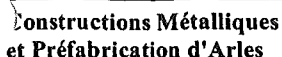
PART LIST/PACKING LIST

PIECES LIVREES NON ASSEMBLEES ITEMS DELIVERED IN SEPARATES PARTS						
TU1	1	TUBE Ø88.9x5.49 (pipe 3" sch 40S) Seamless lg. 220	A312 TP304L	3.1b	2.5	21A-B
8	2	U40x30x3 (plate) lg: 1100	A240 304/304L	/	4.7	-
7	2	TOLE (plate) 100x100x5	A240 304/304L	3.1b	1	4
R1	1	COURONNE (plate) O.D.310 thk.8	A240 304L	/	4.8	-
J1	1	JOINT PLAT Ø200xØ89x3 PERCE DE 8 TROUS Ø18 SUR Ø160 (gasket Ø200xØ89x3 drilled 8 holes Ø18 on Ø160)	KLINGERSIL C4430	/		-
TF1	8+1	TIGE FILETEE M16x100 AVEC 2 ECROUS HM16 (threaded stud HM16x100 with 2 nuts HM16)	A193 B8M Cl 1 A194 8M	/	2	-
3	1	TOLE Epr:10 (plate Thk:10) Ø160	A240 304/304L	/	2.5	-
4	1	BOUCHON MALE TETE H (hex. head plug) 3000# 1/4"NPT	304L/316L*	/	0.2	-
9	2	TOLE Epr:1.5 (plate Thk:1.5) 2000x420	S.S.	/	20.2	-
10	1	TOLE Epr:1.5 (plate Thk:1.5) 1500x250	S.S.	/	4.5	-
12	1	TUBE Ø520x1.5 (pipe) lg.165	S.S.	/	3.3	-
13	2	ROND Ø6 (rod) Lg.300	S.S.	/	0.2	-
14	1	ROULEAU DE LAINE DE ROCHE (rockwool rool)	ROCKWOOL	/		-
1	1	COURONNE (ring) Ø1000xØ500 thk.30	A240 304	3.1b	142	26A-B
25	1	ELECTROVANNE 3/2 DN5 HERION (solenoid valve) 24V DC	A BRASS	/	1	-
26	1	RACCORD (fitting) Ø6 1/4" male NPT	A 304/316L*	/	/	-
27	1	RACCORD (fitting) Ø12 1/4" male NPT	A 304/316L*	/	/	-
28	1	SUPPORT Thk.3	A A240 304/304L	/	/	-
29	2	Boulon (bolt) HM5x40	A S.S.	/	/	-
			</			

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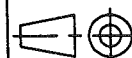


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Rev 0

PART LIST/PACKING LIST



1

S/E		TUBULURE L6 (nozzle L6)				
TU1 3	1 1	SUB-ASSEMBLY INCLUDING ITEMS: TUBE Ø17,2x2,3 (pipe 3/8" sch 40S) seamless Lg:4000 (1) ROND Ø25 (rod)	A312 TP304L A479 304/304L	/ 3.1b	4	30
		(1) including overlength of 200 mini	* or equivalent		4	

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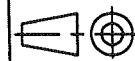
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Rev 0

Plan N° : 783-119.G2

NOMENCLATURE / LISTE DE COLISAGE
PART LIST / PACKING LISTEchelle/Scale
/**PIECES LIVREES NON ASSEMBLEES**
ITEMS DELIVERED IN SEPARATE PARTS

CO1	1	COUDE (elbow) RS LR 3" sch 10S 90°	A403 WP304L	/	1.2	—
CO2	1	COUDE (elbow) RS LR 3" sch 10S 90°	A403 WP304L	/	1.2	—
CO3	1	COUDE (elbow) RS LR 3" sch 10S 90°	A403 WP304L	/	1.2	—
U1	1	TUBE (pipe) RS 3" sch 10S lg: 600 (1)	A312 TP304L	/	4	—
U2	1	TUBE (pipe) RS 3" sch 10S lg: 3200 (1)	A312 TP304L	/	21	—
TU3	1	TUBE (pipe) RS 3" sch 10S lg: 4600 (1)	A312 TP304L	/	30	—
TU4	2	TUBE (pipe) RS 3" sch 10S lg: 6000	A312 TP304L	/	78	—
TU7	1	TUBE (pipe) RS 3" sch 10S lg: 750(1)	A312 TP304L	/	5	—
1	2	TOLE (plate) 90x100x5	A240 304/304L	/	1	—
2	1	TOLE (plate) thk.5	A240 304/304L	3.1b	1.5	4
3	6	TOLE (plate) thk.5	A240 304/304L	/	1.6	—
4	2	TOLE (plate) thk.5	A240 304/304L	3.1b	4	4
5	3	ETRIER FILETE (threaded fork) Ø10 for pipe 3" avec 2 RONDELLES (washers) L10 + 6 ECROUS (nuts) HM10	SS SS	/ /	0.3 /	— —
6	1	TOLE (plate) thk.5	A240 304/304L	3.1b	1	4
CO7	1	COUDE (elbow) RS LR 3" sch 10S 90°	A403 WP304L	/	1.2	—
CO8	1	COUDE (elbow) RS LR 3" sch 10S 90°	A403 WP304L	/	1.2	—
TU8	1	TUBE (pipe) RS 3" sch 10S lg: 3775	A312 TP304L	/	25	—
TU9	1	TUBE (pipe) RS 3" sch 10S lg: 286	A312 TP304L	/	2	—
TU10	1	TUBE (pipe) RS 3" sch 10S lg: 600 (1)	A312 TP304L	/	4	—

184

(1) including overlength of 200 mini

REF	QTY	DESIGNATION	NORM/NUANCE	ENUM	POIDS NET	POIDS BRUT
ITEM	QTY	DESIGNATION	NORM/MATERIAL	CERTIF	NET WEIGHT	GROSS WT

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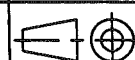
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Plan N° : 783-119.J

NOMENCLATURE/LISTE DE COLISAGE

PART LIST/PACKING LIST



Echelle/Scale
/

		NOZZLE J							
S/E.1	1	SUB-ASSEMBLY INCLUDING ITEMS:						4	
TU1	1	TUBE (pipe) SS 2" sch 40S lg: 392			A312 TP304L	3.1b			20A-B
CO1	1	COUDE (elbow) SS LR 2" sch 40S 90°			A403 WP304L	/			
RE1	1	REDUC. CONC. (conc. Reducer) 3"/2" sch 10S			A403 WP304L	/			
2	1	SUB-ASSEMBLY INCLUDING ITEMS:						3	
6	1	TOLE RENFORT Ep:8 (reinforcement plate thk.8) Ø150			A240 304	3.1b			35
7	1	DEMI MANCHON 1/4" NPT (half coupling)			304L/316L*	/			
		PIECES LIVREES NON ASSEMBLEES							
		ITEMS DELIVERED IN SEPARATES PARTS							
TU2	1	TUBE CINTRE (bending pipe) SS 2" sch 40S lg: 2650 (1)			A312 TP304L	/	15		
CO2	1	COUDE (elbow) SS LR 2" sch 40S 90°			A403 WP304L	/	1		
TU3	1	TUBE (pipe) SS 2" sch 40S lg: 850 (1)			A312 TP304L	/	5		
CO3	1	COUDE (elbow) SS LR 2" sch 40S 90°			A403 WP304L	/	1		
TU4	1	TUBE (pipe) SS 2" sch 40S lg: 100			A312 TP304L	/	0.6		
8	1	TOLE Ep:10 (plate thk.10) Ø100			A240 304L	/	1		
9	1	BOUCHON TETE H (hex. Head plug) 3000# 1/4" NPT			304L/316L*	/	/		

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Client / Customer : AIR LIQUIDE AGS GmbH Engineered System N° :

Plan N° : 783-119.L1

NOMENCLATURE/LISTE DE COLISAGE
PART LIST/PACKING LIST

Echelle/Scale
/

		TUBULURE L1 (nozzle L1)					
		PIECES LIVREES NON ASSEMBLEES					
		ITEMS DELIVERED IN SEPARATES PARTS					
TU1	1	TUBE Ø17,2x2,3 (bending pipe 3/8" sch 40S) S.S. Lg: 1100 (1)	A312 TP304L	3.1b	1	27A-B	
TU2	1	TUBE Ø17,2x2,3 (bending pipe 3/8" sch 40S) S.S. Lg: 4000 (1)	A312 TP304L	3.1b	4	27A-B	
TU3	1	TUBE Ø17,2x2,3 (bending pipe 3/8" sch 40S) S.S. Lg: 5700 (1)	A312 TP304L	3.1b	4	27A-B	
TU4	2	TUBE Ø17,2x2,3 (pipe 3/8" sch 40S) SEAMLESS Lg: 6000	A312 TP304L	3.1b	10	27A-B	
TU5	1	TUBE Ø17,2x2,3 (bending pipe 3/8" sch 40S) S.S. Lg: 3200 (2)	A312 TP304L	3.1b	2.8	27A-B	
1	6	ROND Ø6 (rod)	A479 304/304L	/	2	-	
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TUBULURE L5 (nozzle L5)									
S/E.1	1	SUB-ASSEMBLY INCLUDING ITEMS :						6	
TU1	1	TUBE Ø17,2x2,3 (bending pipe 3/8" sch 40S) S.S. Lg: 6000 (3)			A312 TP304L	3.1b			27A-B
3	1	ROND Ø25 (rod)			A479 304/304L	3.1b			28
PIECES LIVREES NON ASSEMBLEES									
ITEMS DELIVERED IN SEPARATES PARTS									
U2	2	TUBE Ø17,2x2,3 (pipe 3/8" sch 40S) SEAMLESS Lg: 6000			A312 TP304L	3.1b	11		27A-B
TU3	1	TUBE Ø17,2x2,3 (bending pipe 3/8" sch 40S) S.S. Lg: 4000 (2)			A312 TP304L	3.1b	2.8		27A-B
1	6	ROND Ø6 (rod)			A479 304/304L	/	2		
2	1	TUBE Ø26,9x3,91 (pipe 3/4" sch 80S) WELDED Lg:60			A312 TP304L	/	0.2		
4	1	TOLE (plate) 80x30x5			A240 304L*	/	0.2		
(1) including overlength of 200 mini									
(2) including overlength of 200 mini at each end									
(3) including overlength of 500 mini									
* or equivalent									
REF	Qte	DESIGNATION			ref	NORME/NUANCE	EN10204	POIDS NET kg	CERTIF
ITEM	Qty	DESIGNATION			ref	NORME/MATERIAL	CERTIF	NET WEIGHT	MSA BY

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