

Phase 1 - Régime de déclaration

2 stockages de l'hydrogène dans racks de bouteille (1600L) haute pression (950bars) = **160kg** d'Hydrogène

2 groupes froids de distribution refroidissant l'hydrogène au moment de la distribution

2 bornes de distribution (pistolets proposant 350, 350hf ou 700b)

2 conteneur de compression permettant de remplir sous pression les stockages

1 trailer 40 pieds (350b) - **800kg** d'Hydrogène servant de source d'approvisionnement pour la station

2 Groupe froid de compression refroidissant l'hydrogène au moment de la compression

Masse totale maximale potentiellement présente sur la station = **960kg**

LEGENDE	
EQUIPEMENTS H2	
1	HIGH PRESSURE COMPRESSOR 1
2	HIGH PRESSURE COMPRESSOR 2
3	HP STORAGE 1
4	HP STORAGE 2
5	HP COMPRESSOR CHILLER 1
6	HP COMPRESSOR CHILLER 2
7	DISPENSER 1 CHILLER
8	DISPENSER 2 CHILLER
9	DUAL COMPRESSOR MODULE
10	DUAL DISPENSING MODULE
11	HP VALVE PANEL
12	INPUT PANEL
13	DISPENSER 1
14	DISPENSER 2
15	
16	
AUTRES	
17	
18	
19	
20	
21	
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23	
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25	
26	
27	
28	

	Ground ATEX Zone
	Sturdy Non-ATEX Zone
	Zone I ATEX at +0.5m
	Zone II ATEX at +0.5m
	Service area
	Flat slab with no slope for laying/anchoring
	Minimum dimensions of concrete block
	Anchor location
	Emergency stop
	Fire sensor (VDR)
	Gas detector
	Smoke detector
	LED signals
	Sound alarm
	Earthing
	Electrical wiring sheath - Telecommunication/Signal
	Electrical wiring sheath - Power supply
	HZ
	Pneumatic
	Coolant

GENERAL NOTES

2		Civil work modification		LUPPERE	C-VERBAN	E-VALLET	11.07.2020
NO	DESCRIPTION	MATERIAL	PROJECT	DRAWN	VERIFIED	APPROVED	DATE
	Hydrogen Refueling Station (HRS) for the use of hydrogen in the transport sector		PROJECT: IMPLANTATION H2-H2 - HYDROGEN STATION - 1				
	TOLERANCES		PART DESIGNATION				
	- VALUES ASSEMBLY EN ISO 13920-BF						
	- SHEET MECHANICAL EN ISO 13920-BF						
	- MECHANICAL TOLERANCES: ISO 2768-mS						
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		This document is the property of HYDROGEN REFUELING SOLUTIONS. It is to be used for the purpose of the project. It may not be used, reproduced, modified or communicated without the prior authorization of the company.		HYDROGEN REFUELING SOLUTIONS		SCALE 1:100	
Logiciel : DwgEdit		Fichier : NT0042 - Implantation H2-H2 - Hydrogen St. Eglise - 1.dwg		21		24	

Phase 2 - Régime d'autorisation

3 stockages de l'hydrogène
dans racks de bouteille
(1600L) haute pression
(950bars) = **240kg**
d'Hydrogène

2 groupes froids de distribution
refroidissant l'hydrogène au
moment de la distribution

2 bornes de distribution
(pistolets proposant 350,
350hf ou 700b)

2 trailers 40 pieds (350b) -
1600kg d'Hydrogène
servant de source
d'approvisionnement pour la
station

**Masse totale maximale
potentiellement présente sur
la station = 1840kg**

LEGENDE		
EQUIPEMENTS H2		
1	HIGH PRESSURE COMPRESSOR 1	A
2	HIGH PRESSURE COMPRESSOR 2	
3	HP STORAGE 1	
4	HP STORAGE 2	
5	HP COMPRESSOR CHILLER 1	B
6	HP COMPRESSOR CHILLER 2	
7	DISPENSER 1 CHILLER	
8	DISPENSER 2 CHILLER	
9	DUAL COMPRESSOR MODULE	
10	DUAL DISPENSING MODULE	
11	HP VALVE PANEL	C
12	INPUT PANEL	
13	DISPENSER 1	
14	DISPENSER 2	
15		
16		
AUTRES		
17		D
18		
19		
20		
21		E
22		
23		
24		
25		
26		
27		
28		

	Ground ATEX Zone	F
	Stricky Non-ATEX Zone	
	Zone I ATEX at +0.6m	
	Zone II ATEX at +0.5m	
	Service area	
	Flat slab with no steps for laying/reinforcing	
	Minimum dimensions of concrete block required	
	Anchor location?	
	Emergency stop	
	Fire sensor (D00R)	
	Gas detector	G
	Smoke detector	
	LED signals	
	Buzzer alarm	
	Earthing	
	Electrical wiring sheath - Telecommunication/Signal	
	Electrical wiring sheath - Power supply	
	H2	
	H2	
	Phenolastic	
	Coolant	

GENERAL NOTES

2 conteneur de compression permettant de remplir sous pression les stockages

2 Groupe froid de compression refroidissant l'hydrogène au moment de la compression

[illegible]