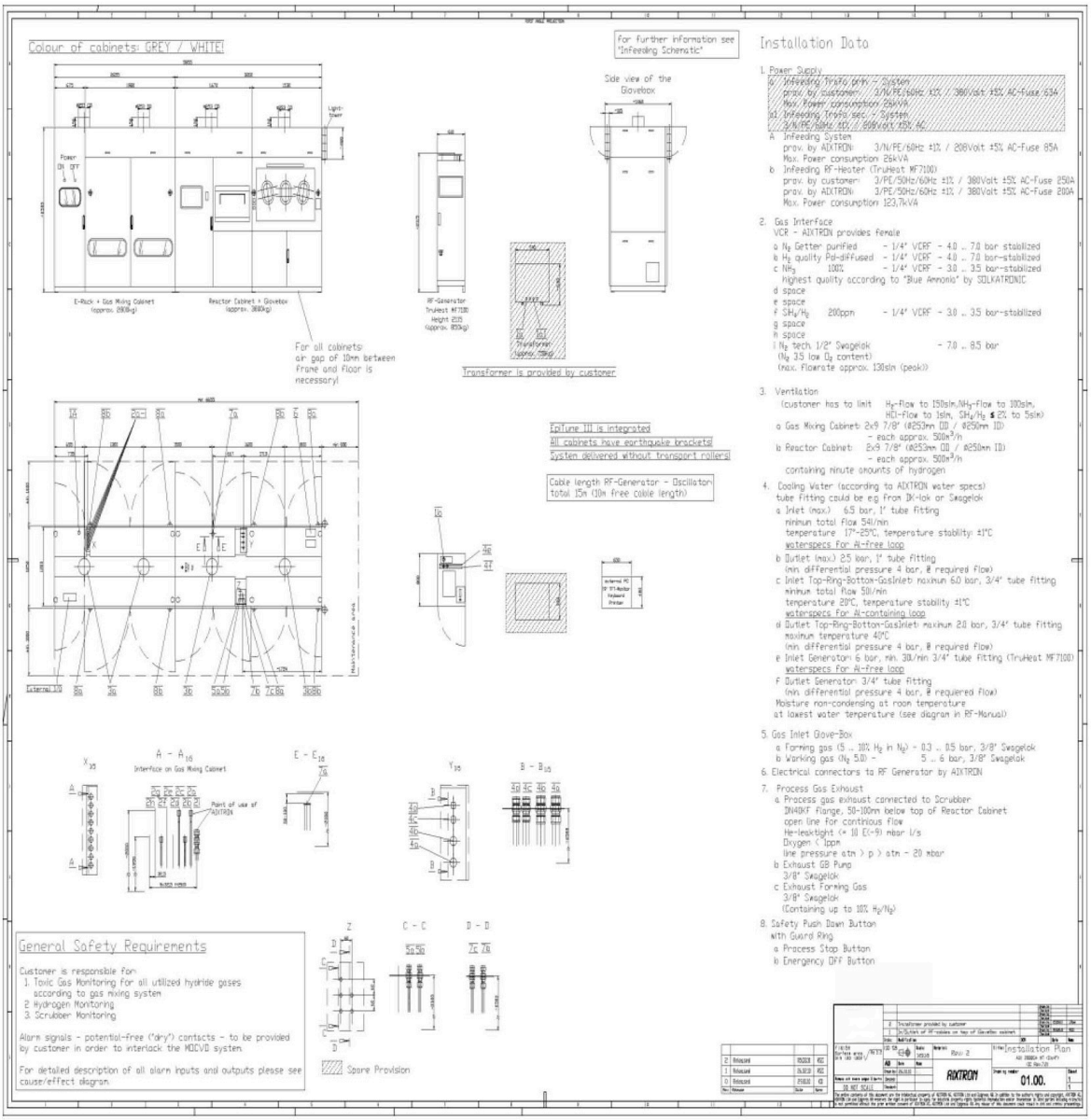
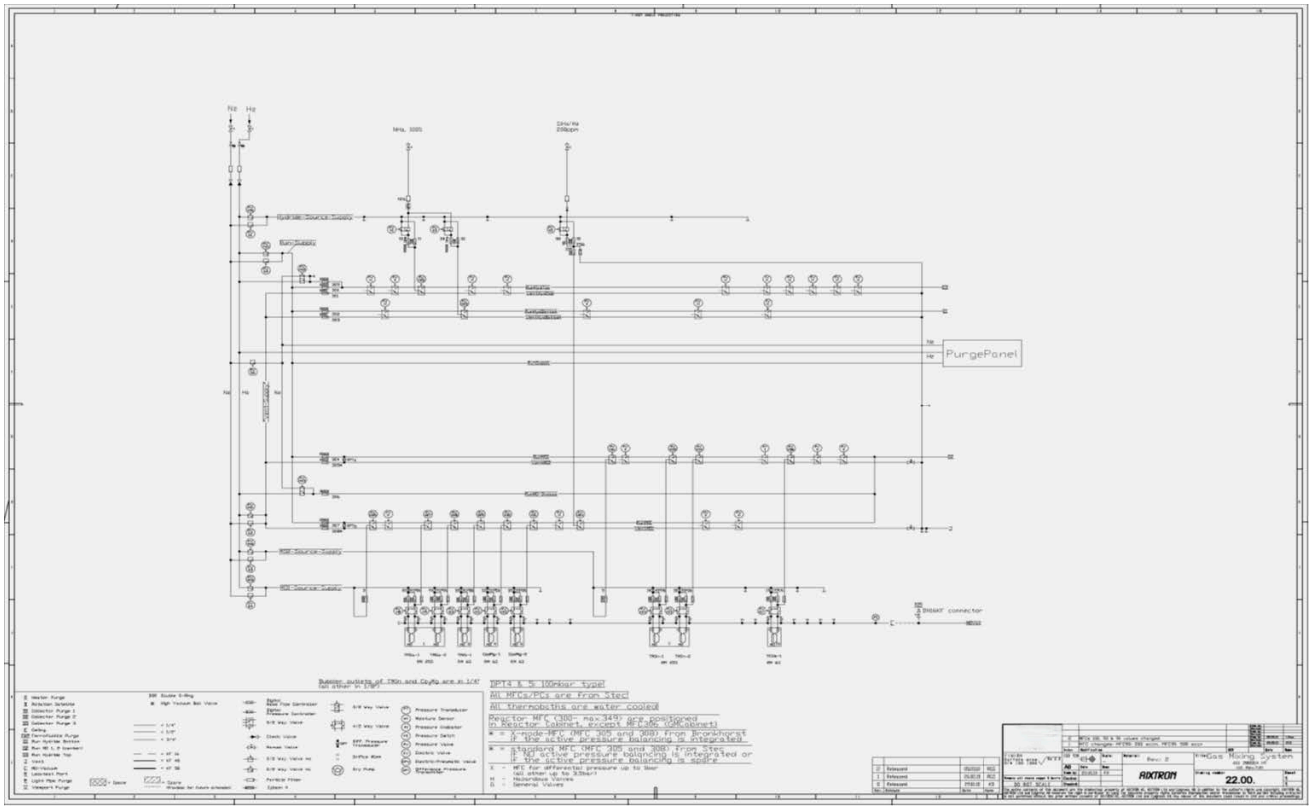
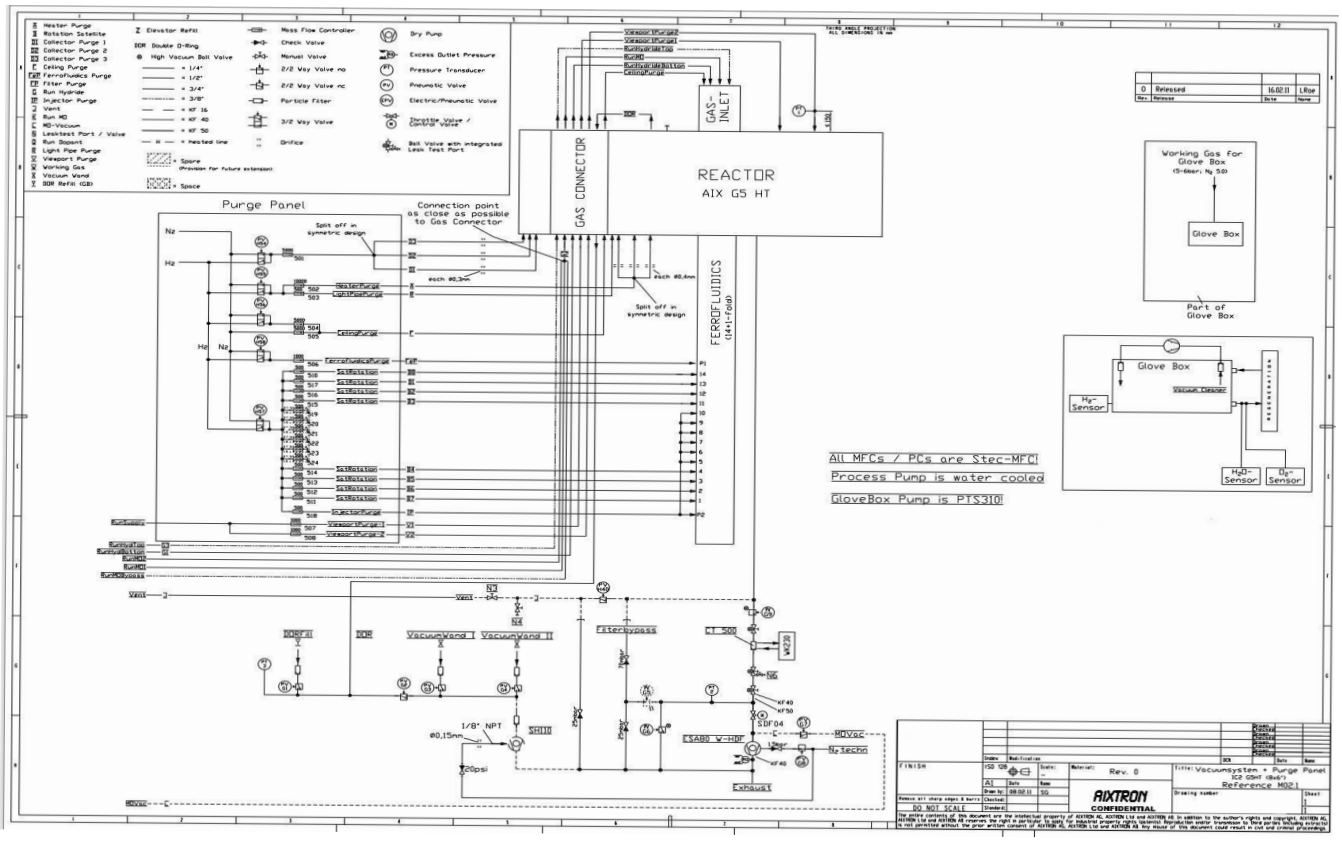
Aixtron MOCVD G4 HT



Gouve	**GaN**
Chember	**11*4"**
Electrical Connection	**120/208V AC,3 Phase**
Voltage	
Wiring	**4 wire+Ground**
Temperature Monitor	**photrix*1/Epi TT*1**
Hydride Lines	**NH3_1 / SiH4**
MO Source	**TMGa-1,TMAl-1,Cp2Mg-1,Cp2Mg-2 , TEG-1,TEG-2,TMIn-2**
Main Body	**5855mm(L)*1200(W)*2500(H)**
Body Weight	**6600(KG)**
RF Generator	**610mm(L)*800mm(W)*2115mm(H)**
Weight	**850(KG)**
Main Pump	**Ebara ESA25W-HDF**
Pump	**Scroll pump*2**
Monitor	**Photrix*LWL Luxtron**


N2
H2
PurgePanel
Bunker outlets of PM4 and CleyMg are in 1/4" (all other in 3/8")
All MFCs/PCs are from Stec
All thermobths are water cooled
Reactor MFC (300- max.349) are positioned in Reactor Cabinet, except MFC#4 (GMCabinet)
* = X-node-MFC (MFC 305 and 3001) from Bronkhorst if the active pressure balancing is integrated
# = standard MFC (MFC 305 and 3001) from Stec if NO active pressure balancing is integrated or if the active pressure balancing is split
X = MFC for differential pressure up to 5bar (all other up to 33bar)
H = Heatedbox Valves
G = General Valves
RPT4 & 5: 100mbar type
Gas Mixing System
AIXTRON
22.00.


REACTOR
AIX G5 HT
GAS CONNECTOR
GAS-INLET
Purge Panel
Connection point as close as possible to Gas Connector
FERROFLUIDICS
(14+1-Feed)
Working Gas for Glove Box
(5-6bar; N2 5.0)
Glove Box
Part of Glove Box
Glove Box
Vacuum Chamber
All MFCs / PCs are Stec-MFC!
Process Pump is water cooled
GloveBox Pump is PTS310!
Exhaust
Vacuumsystem + Purge Panel
ICP G5HT (8x6")
Reference M021
AIXTRON
CONFIDENTIAL