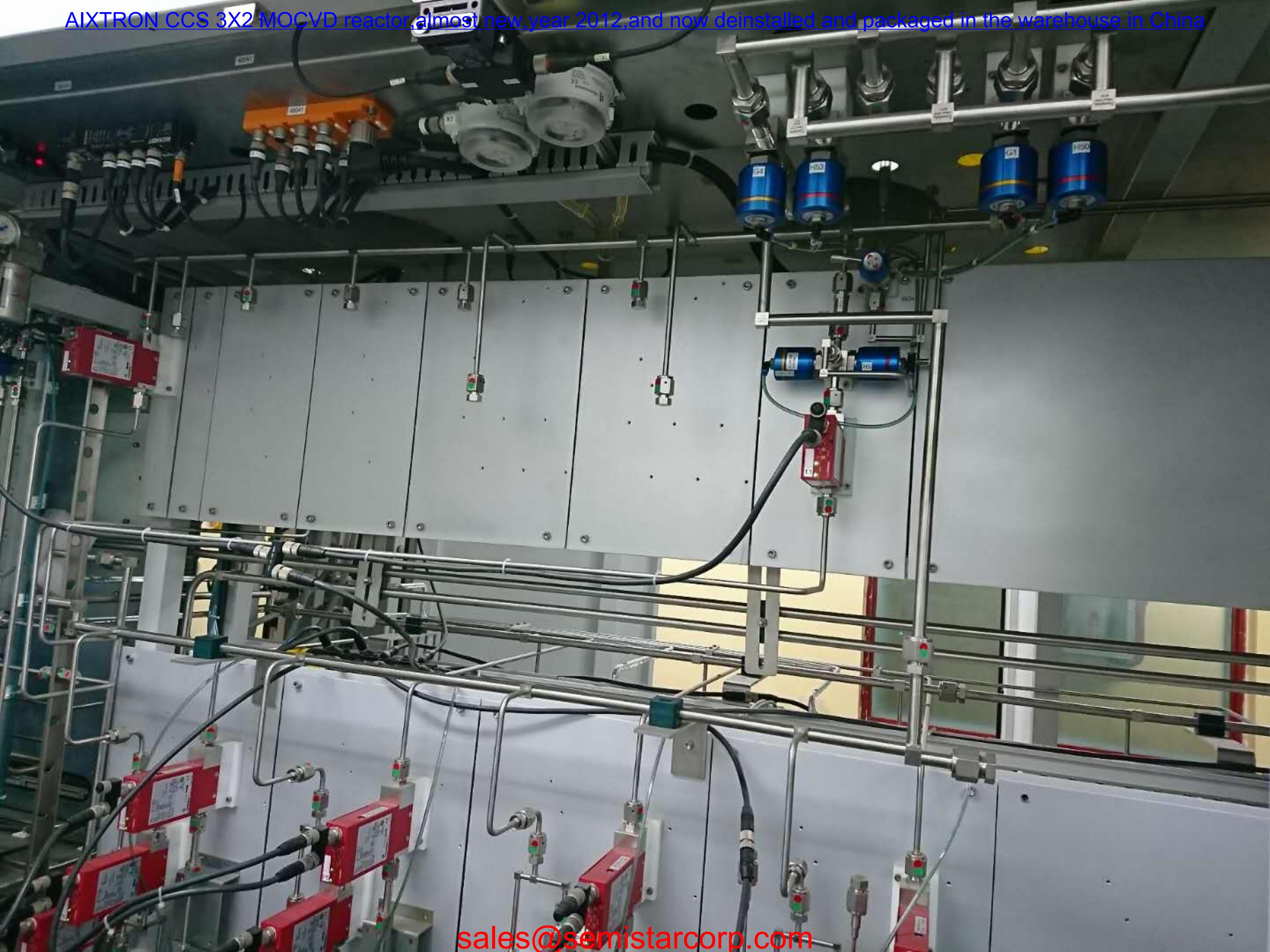


[AIXTRON CCS 3X2 MOCVD reactor,almost new,year 2012, and now deinstalled and packaged in the warehouse in China](#)



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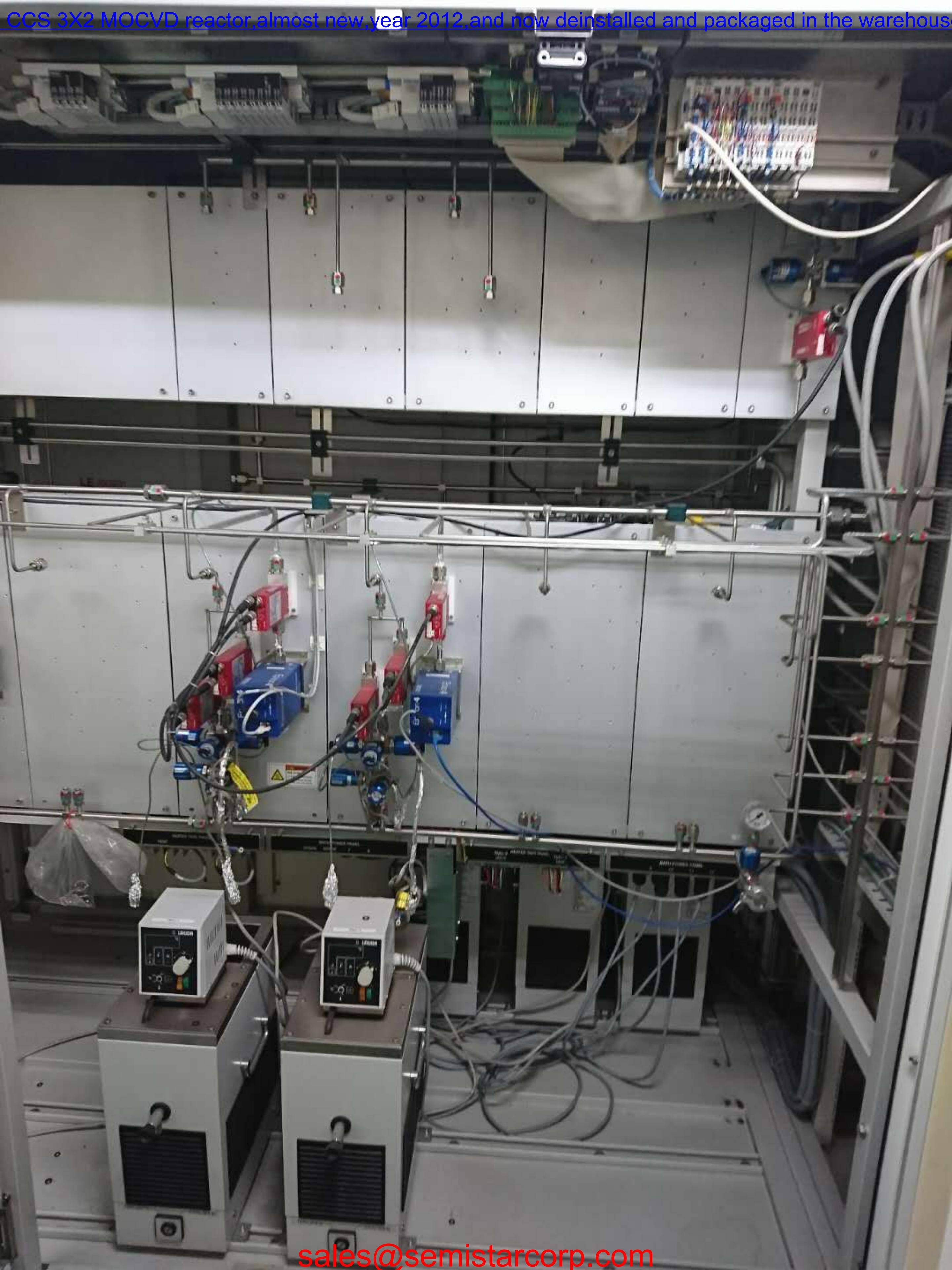
AIXTRON CCS 3X2 MOCVD reactor,almost new,year 2012, and now deinstalled and packaged in the warehouse in China



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CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse



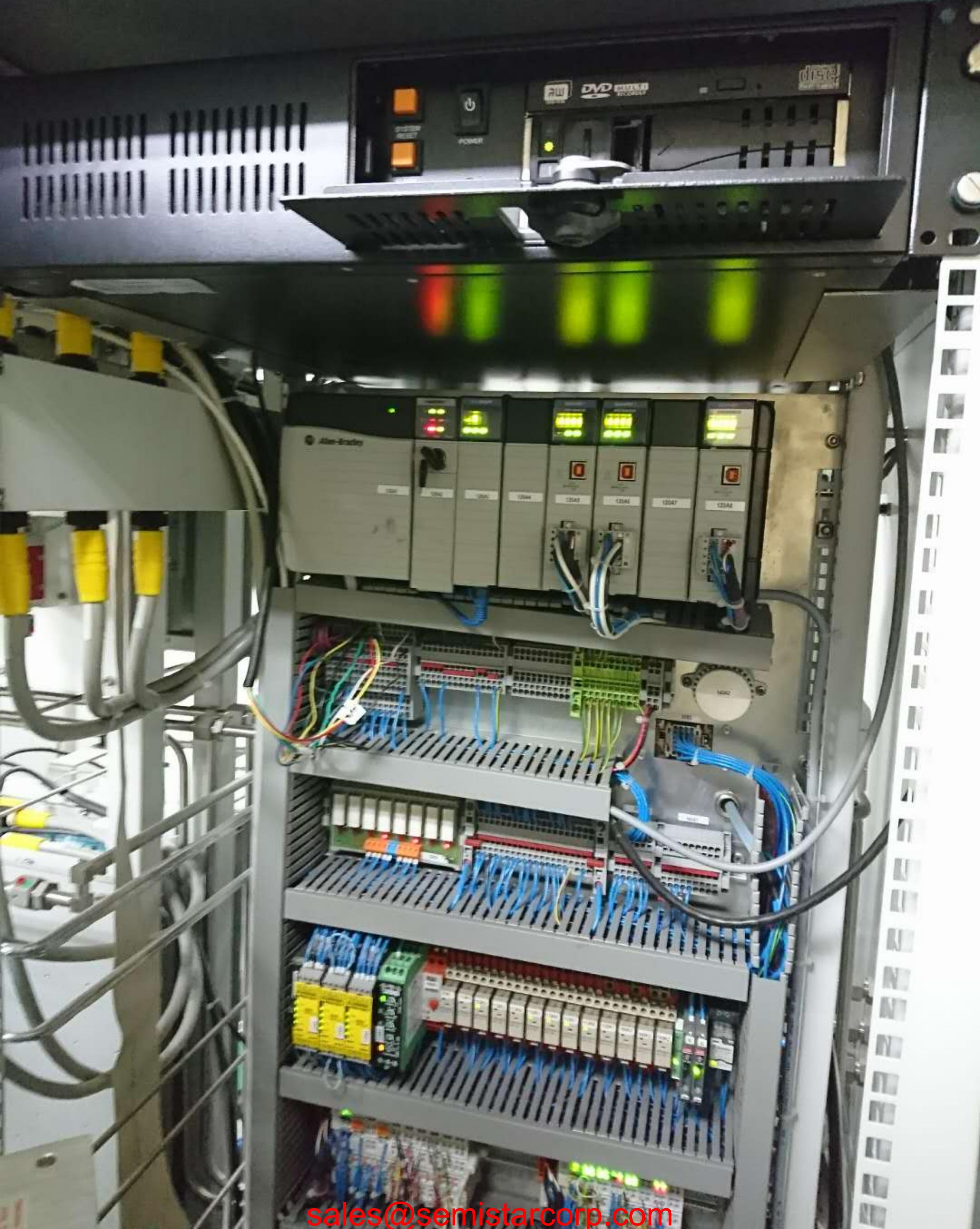
sales@semistarcorp.com

CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse



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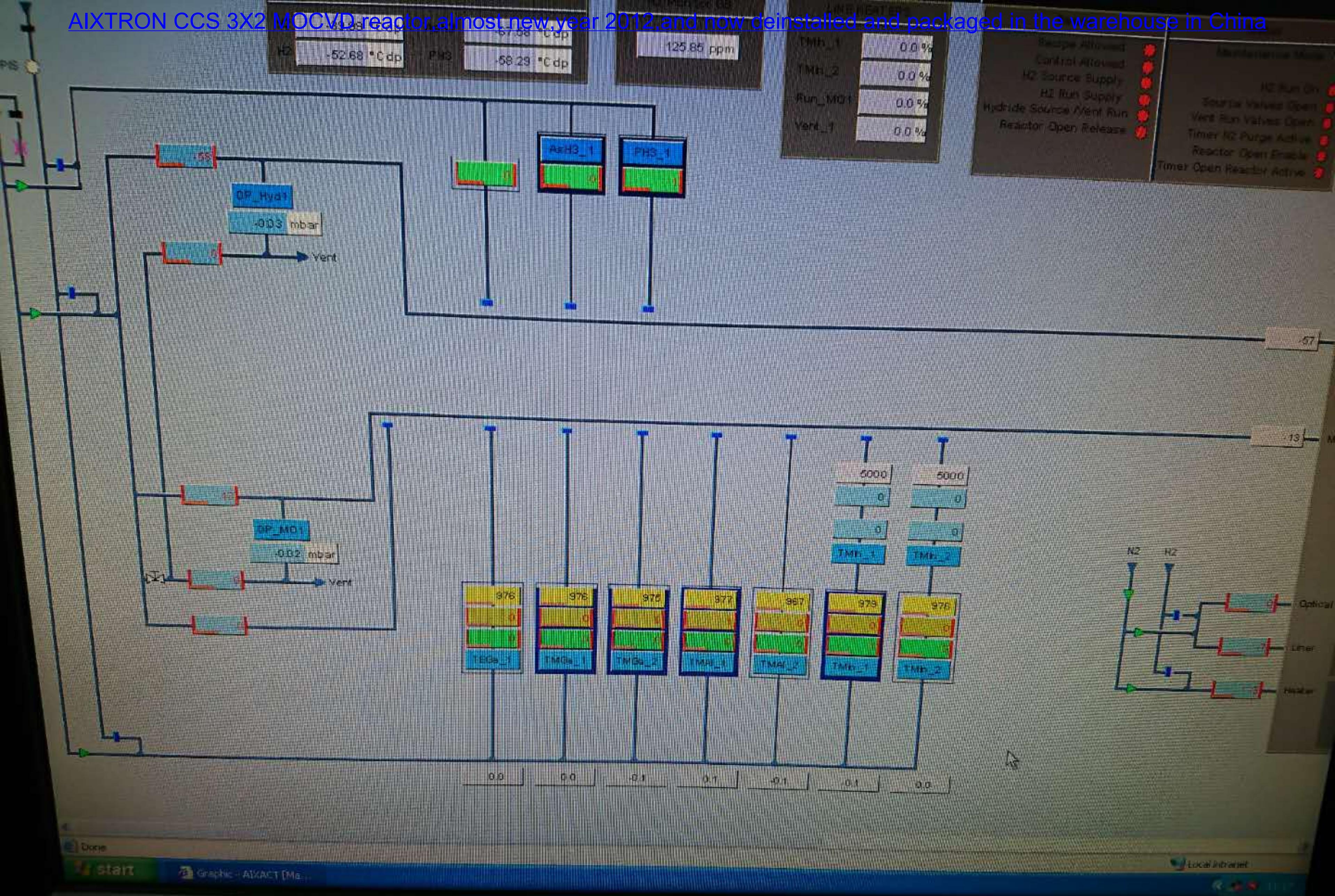
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AIXTRON CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse in China



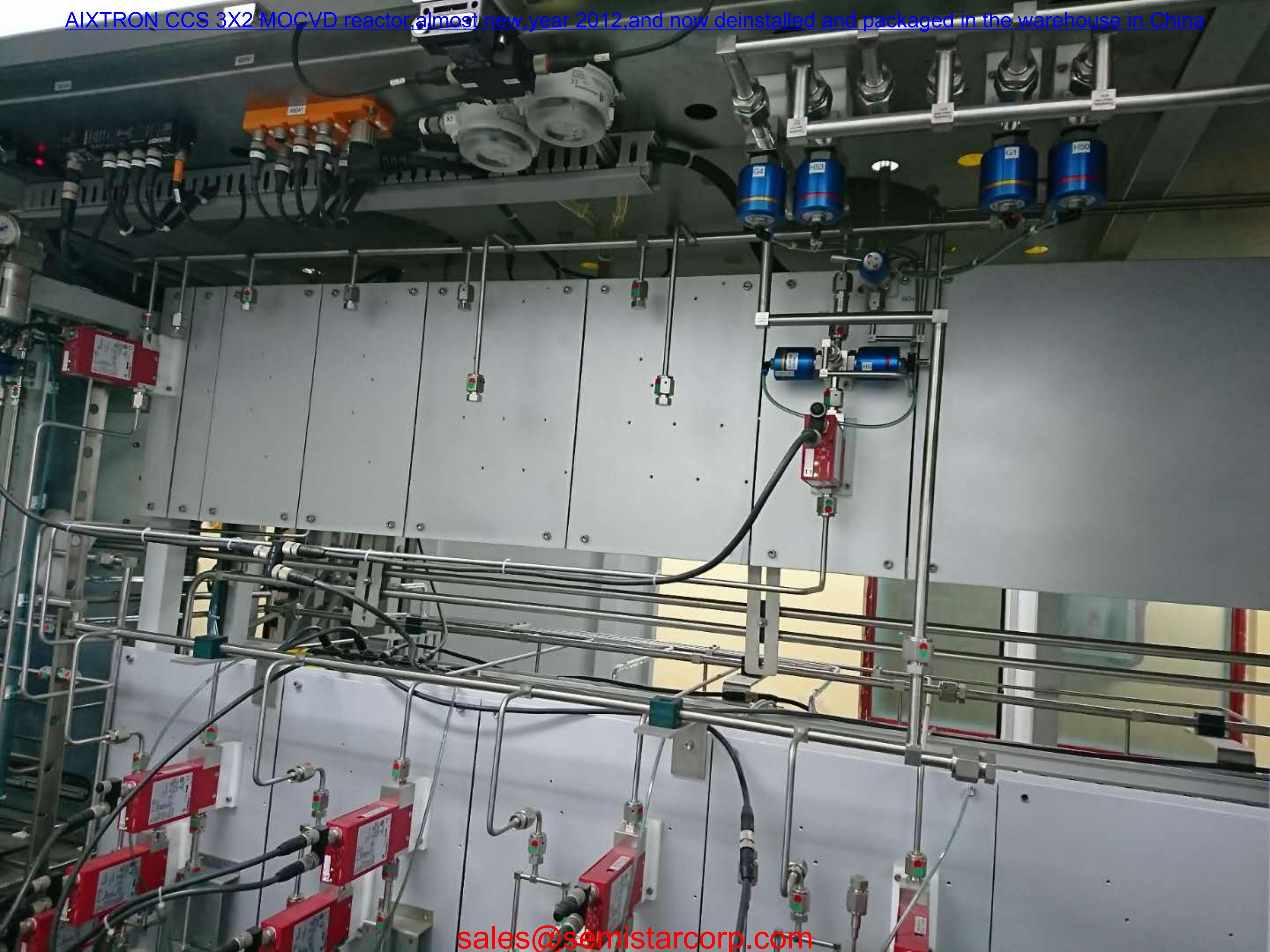
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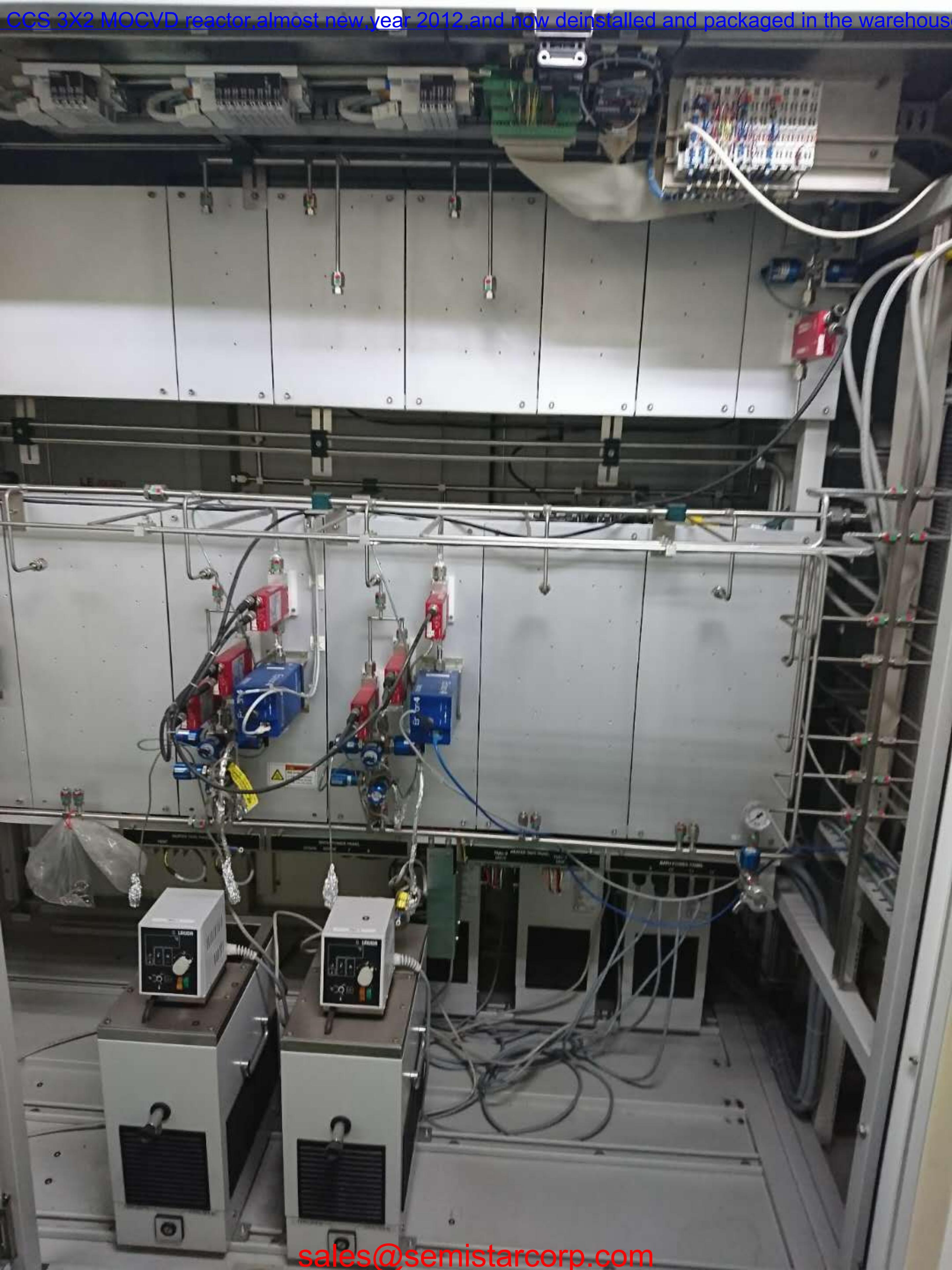
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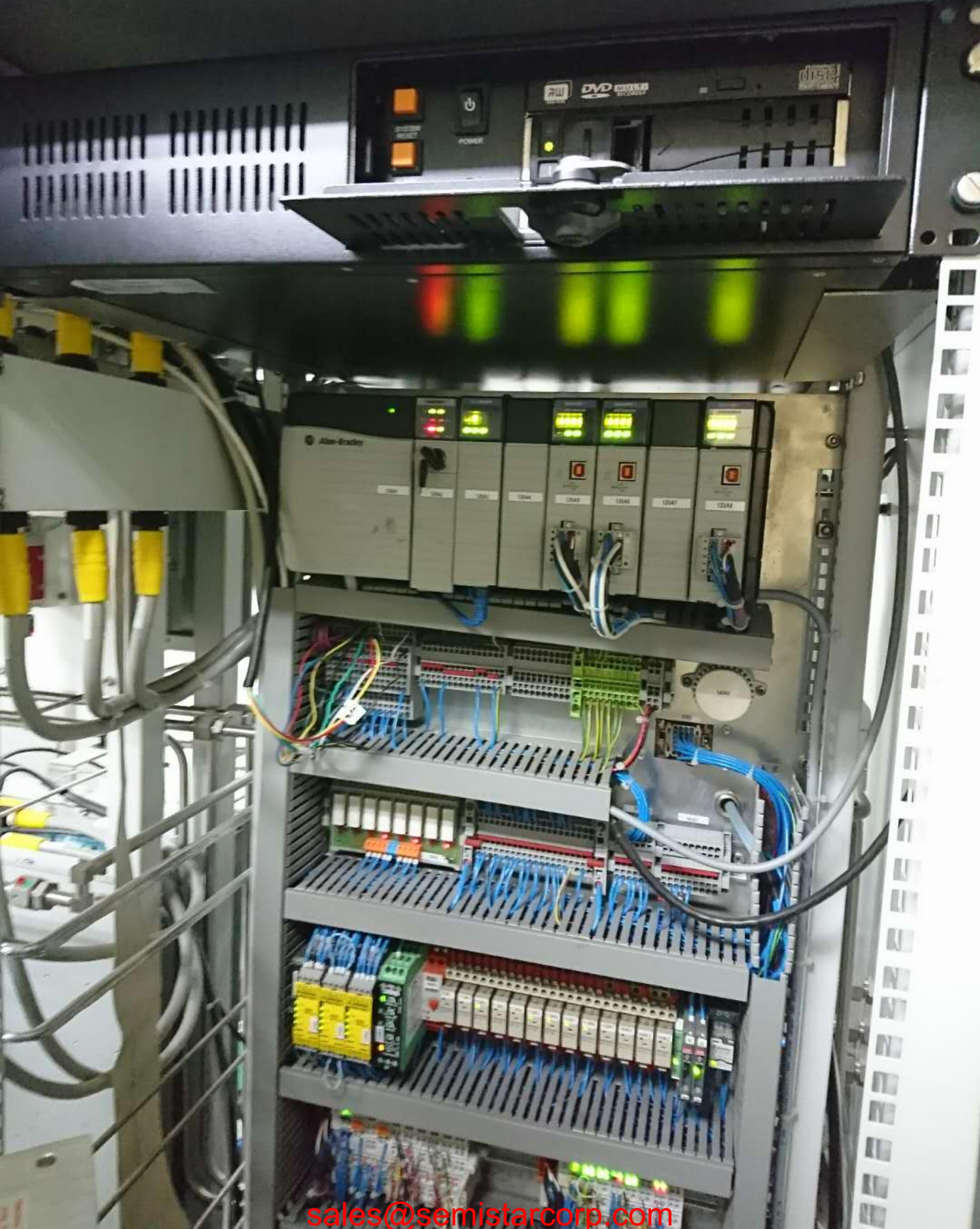
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CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse



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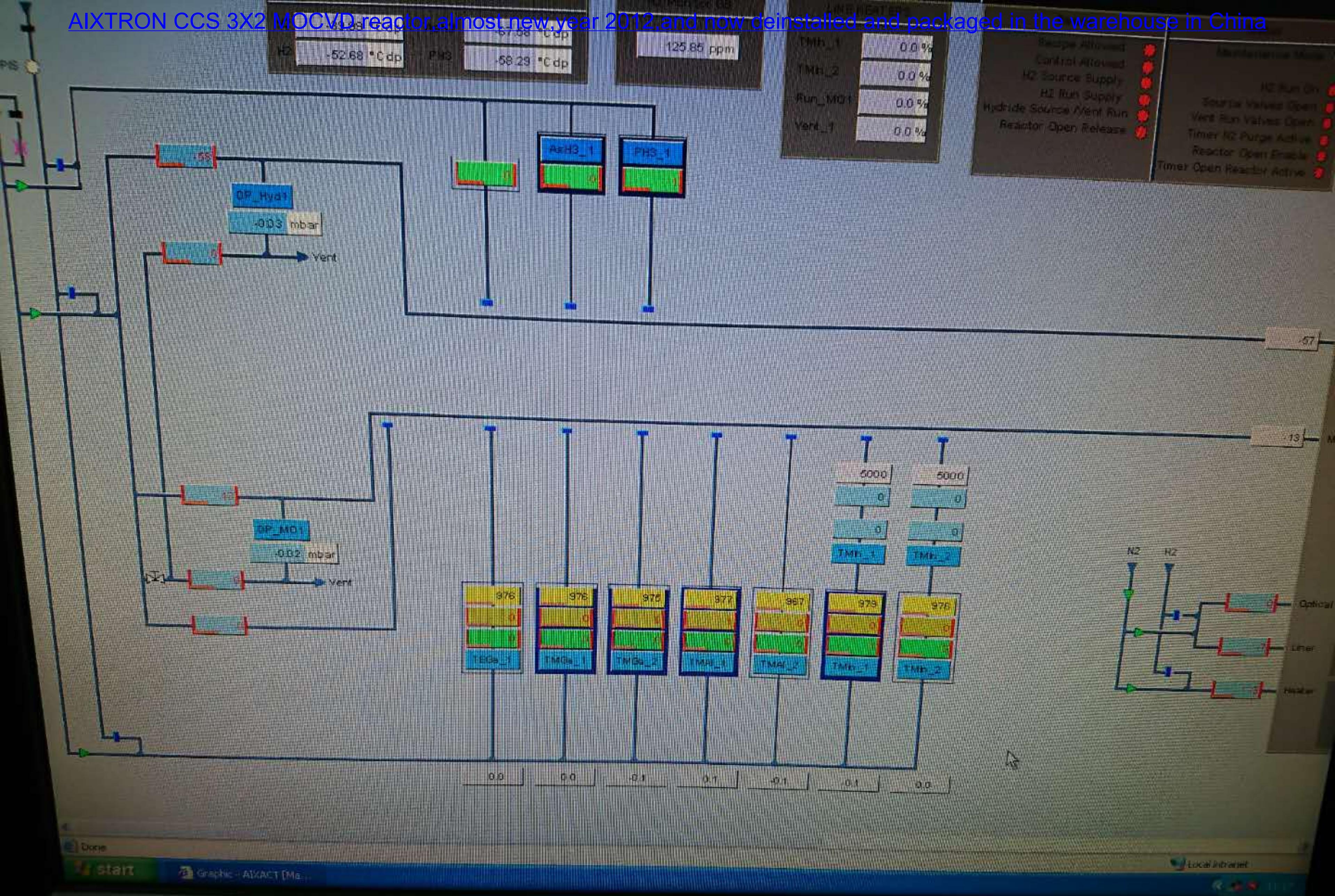
CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse



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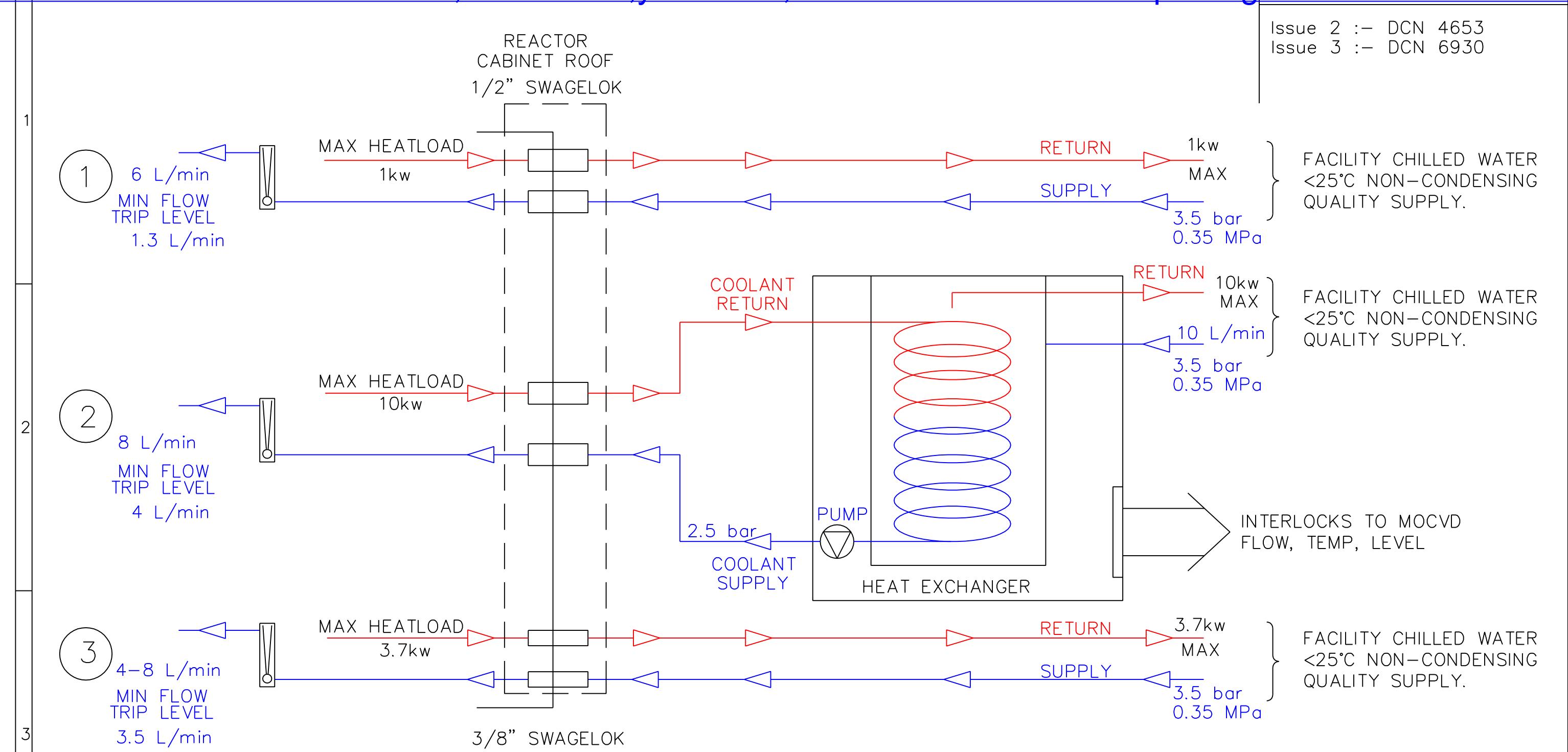
AIXTRON CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse in China



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A B C D E

RON CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse in G



1 :- BUSBARS, ROTARY FEEDTHROUGH, FILTER, EXHAUST ELBOW.

2 :- SHOWERHEAD. CHAMBER.

3 :- EBARA DRY PUMP.

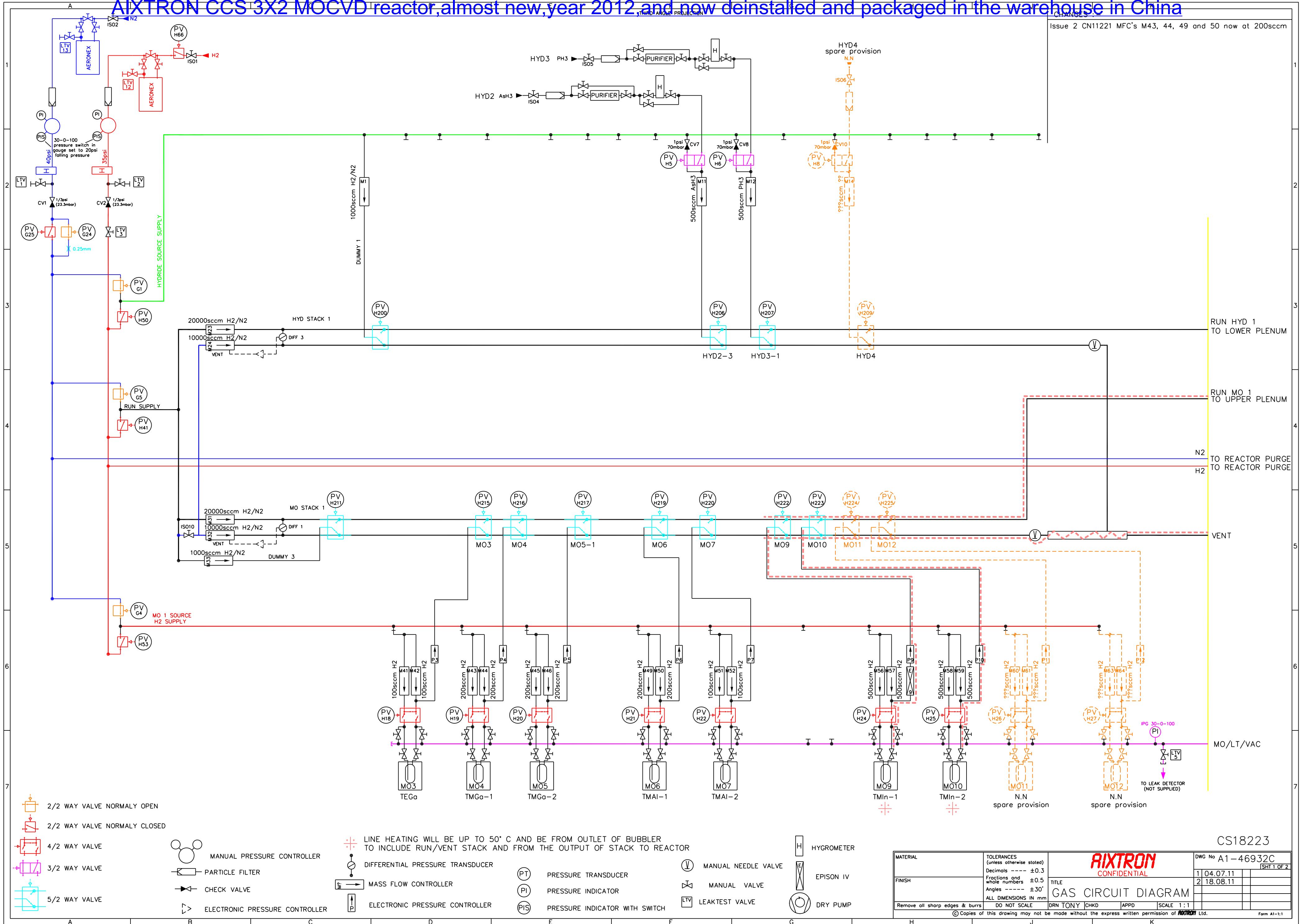
ELECTRICAL SUPPLY

SINGLE PHASE 220 VOLTS - 15 amps - 60hz
OR

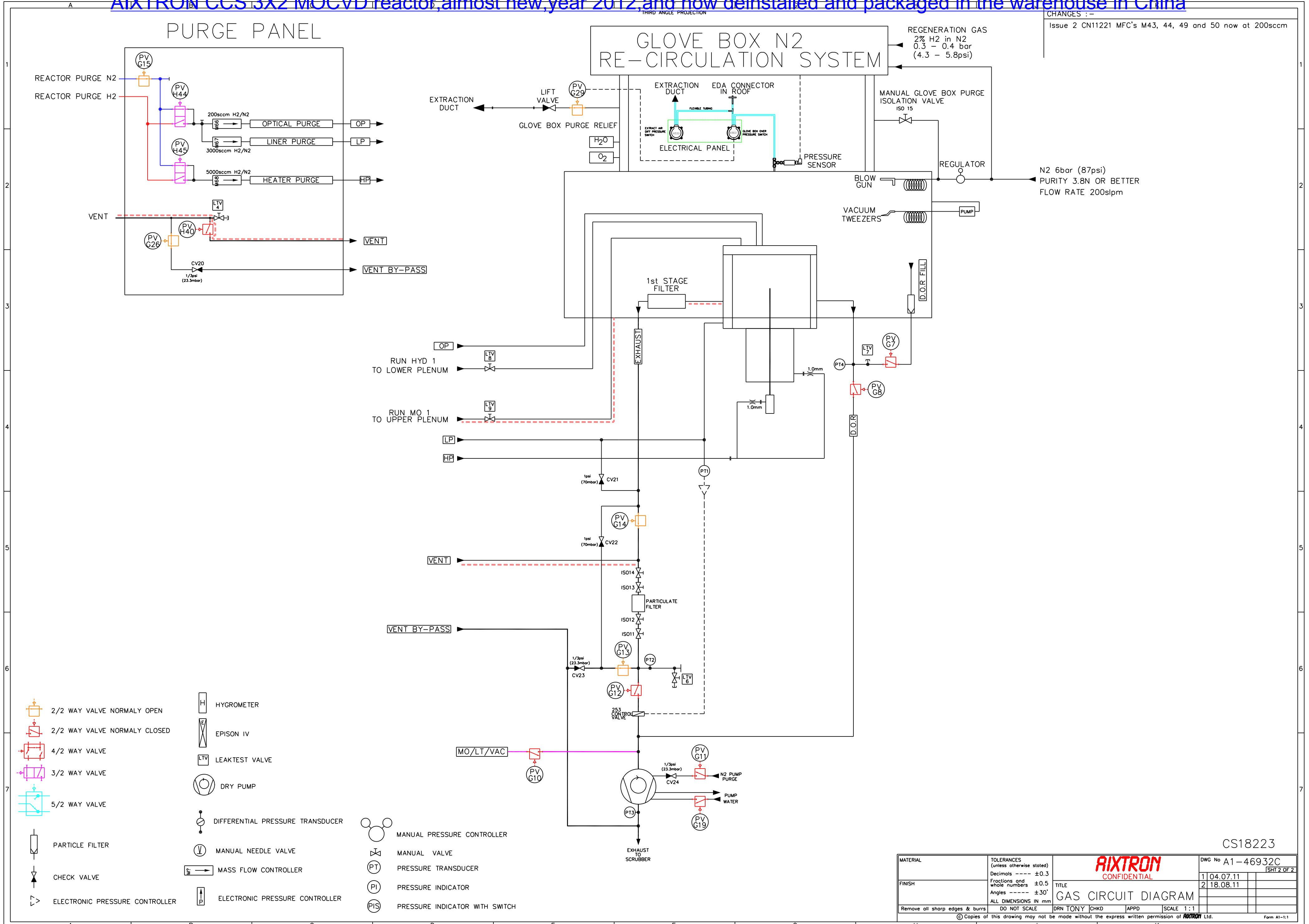
PHASE TO PHASE 208 VOLTS - 15 amps - 60hz

MATERIAL	TOLERANCES (unless otherwise stated) Decimals ----- ± 0.3	AIXTRON CONFIDENTIAL			DWG No A3-32223C
FINISH	Fractions and whole numbers ± 0.5 Angles ----- $\pm 30'$ ALL DIMENSIONS IN mm				SHT 1 OF 1
Remove all sharp edges & burrs	DO NOT SCALE	DRN	TONY	CHKD	APPD
					SCALE 1:1

AIXTRON CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse in China



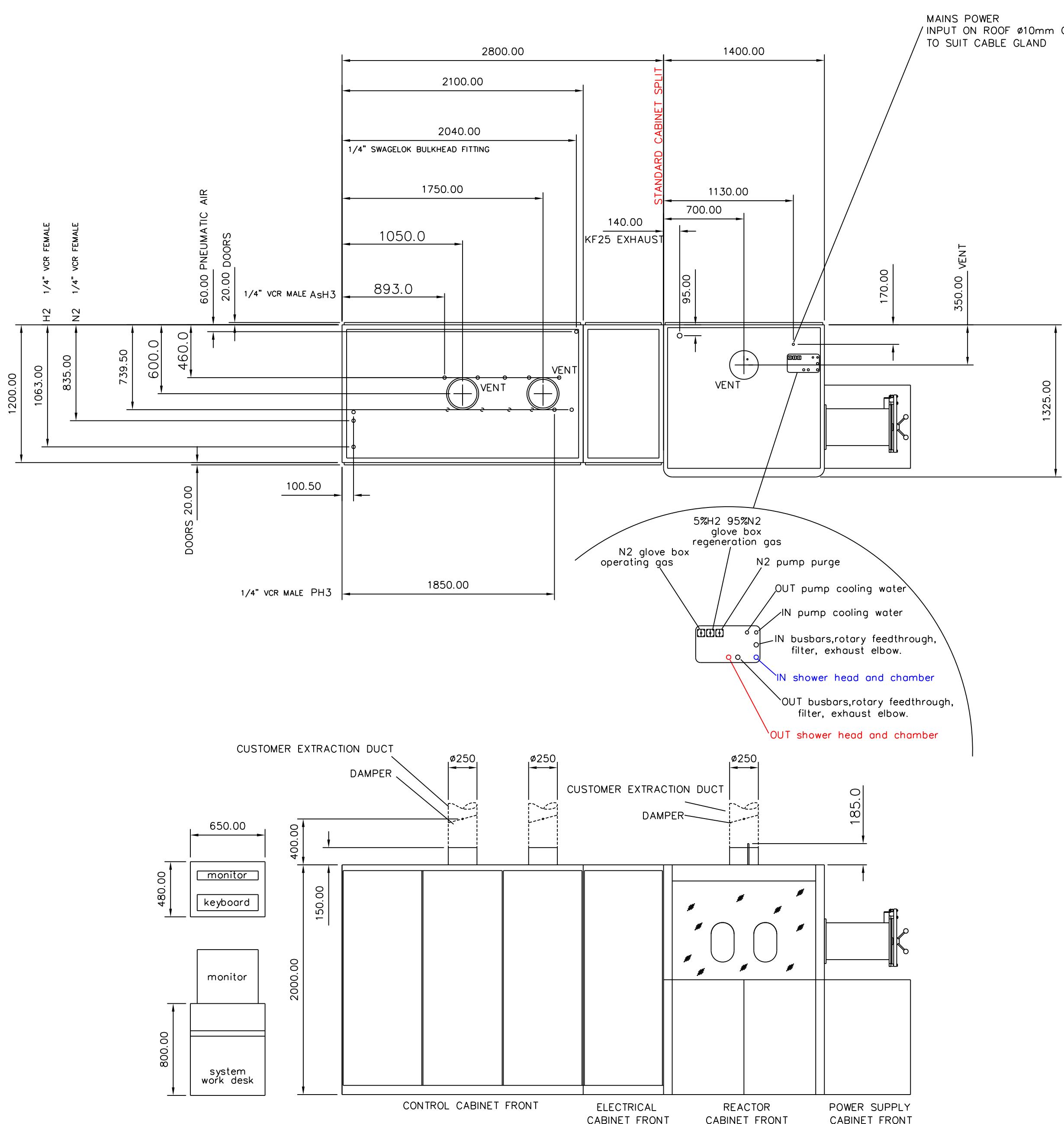
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AIXTRON CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse in China

Issue 2 CN11221 SERVICE TABLE UPDATED

MACHINE SERVICE REQUIREMENTS		
ELECTRICAL SUPPLY	FIVE WIRE 3 PHASE WITH NEUTRAL AND EARTH VOLTS 400 AMPS PER PHASE 100 Hz 50/60	
PNEUMATIC AIR	150 P.S.I. THROUGH 1/4" SWAGELOK BULKHEAD FITTING	
GAS SUPPLY	Psi	MAX FLOW
SYSTEM H2	90	* 78Slm 1/4" VCR
SYSTEM NITROGEN	90	* 75Slm 1/4" VCR
GLOVEBOX NITROGEN SEPARATE SUPPLY PURITY 3.8N OR BETTER	87	200 Slm 1/4" VCR
NITROGEN SUPPLY EBARA PUMP	30	8 - 10 Slm 1/4" VCR
WATER SUPPLY EBARA PUMP		
WATER SUPPLY SHOWERHEAD CHAMBER		
WATER SUPPLY BUSBARS, FEEDTHRO		
GLOVEBOX FORMING GAS 5%H2 95%N2	4.3 - 5.8psi	2250L each regen 10mm SWAGLOK
HYD 1-1		
HYD 1-2		
HYD 2-1		
HYD 2-2		
HYD 2-3 AsH3	30	* 500sccm
HYD 3-1 PH3	30	* 500sccm
HYD 3-2		
HYD 4		
HYD 5		
HYD 6		
HYD 7		
MO1		
MO2		
MO3 TEGo		* 100sccm
MO4 TMGo-1		* 200sccm
MO5 TMGo-2		* 200sccm
MO6 TMAI-1		* 200sccm
MO7 TMAI-1		* 100sccm
MO8		
MO9 TMIn-1		* 500sccm
MO10 TMIn-2		* 500sccm
MO11		*
MO12		*
* PLEASE NOTE ALL FLOWS SHOWN ARE MAX CAPACITY OF ACTUAL MATERIAL ACTUAL FLOWS AND CONSUMPTION WILL BE PROCESS DEPENDENT		
EXTRACT AIR	CONTROL CABINET INLET - 800 CFM FROM ROOM EXTRACT - 2 x 400 CFM DUCTS (SEE NOTE 1)	
	REACTOR CABINET INLET - 750 CFM FROM ROOM EXTRACT - 1 x 750 CFM DUCT (SEE NOTE 1)	
NOTE 1	EXTRACT SYSTEM MUST HAVE A MINIMUM OF 1" WATER GAUGE EXTRACT PRESSURE. AN ADJUSTABLE DAMPER MUST BE PROVIDED FOR EACH EXTRACT DUCT.	



1550 Kg gas control cabinet 150 Kg 1225 Kg reactor cabinet
24 Kg RM6 bath without liquid (each) 240 Kg pump

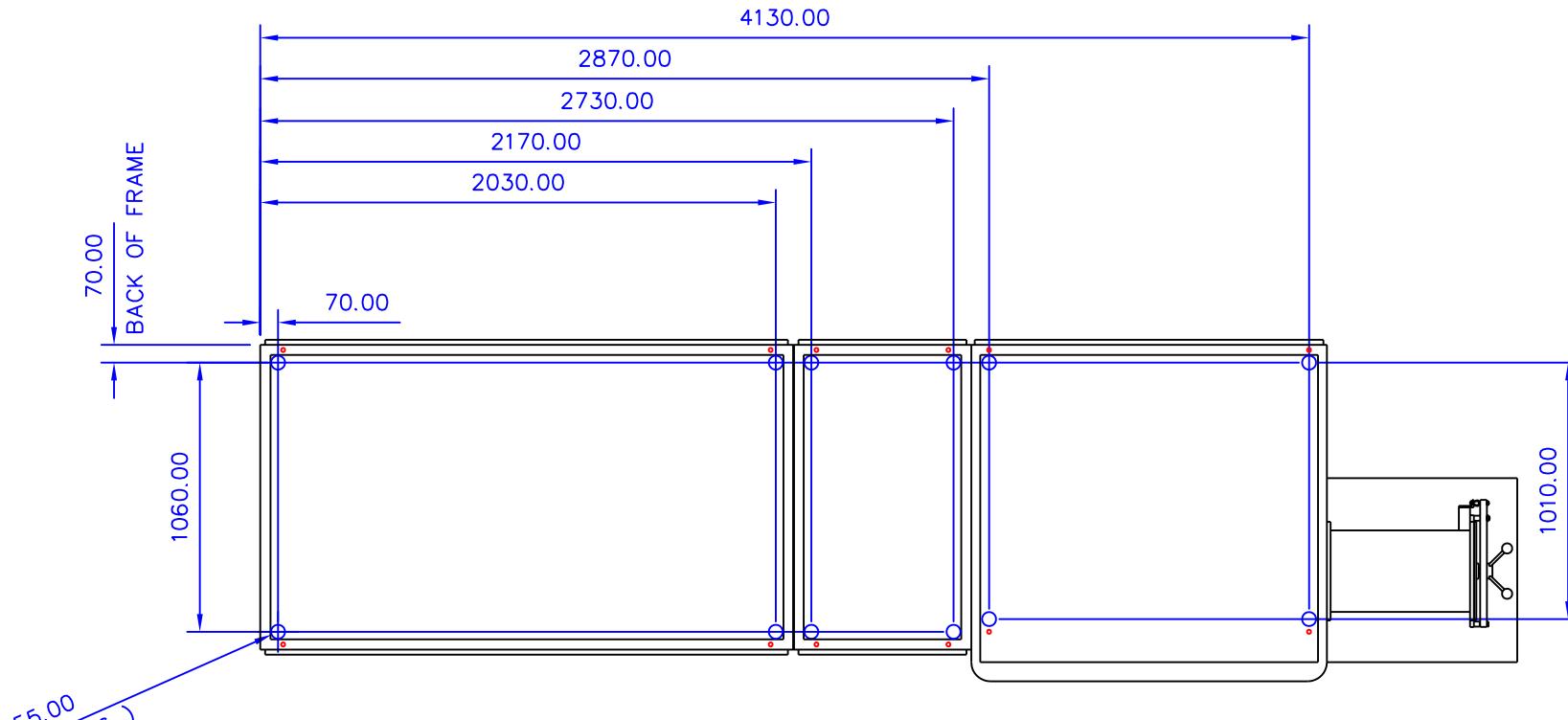
MATERIAL	TOLERANCES (unless otherwise stated) Decimals ----- ±0.3 Fractions and whole numbers ----- ±0.5 Angles ----- ±30°	DWG No A1-46933i		
FINISH	ALL DIMENSIONS IN mm	DRN AC	CHKD	APPD
Remove all sharp edges & burrs	DO NOT SCALE			SCALE 1:20
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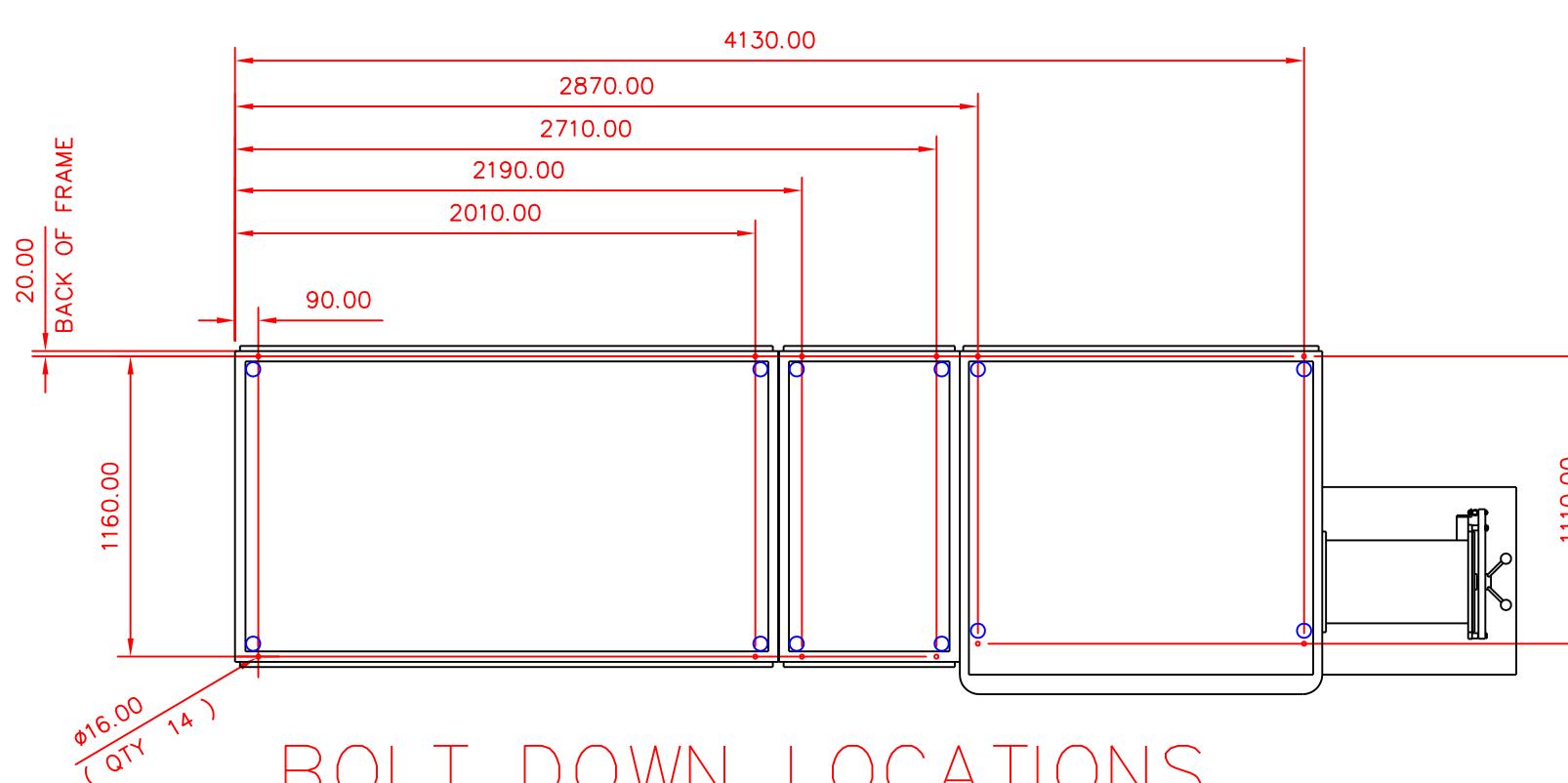
DWG No A1-46933i		SHT 1 OF 2
1	04.07.11	
2	18.08.11	

Form A1-1:20

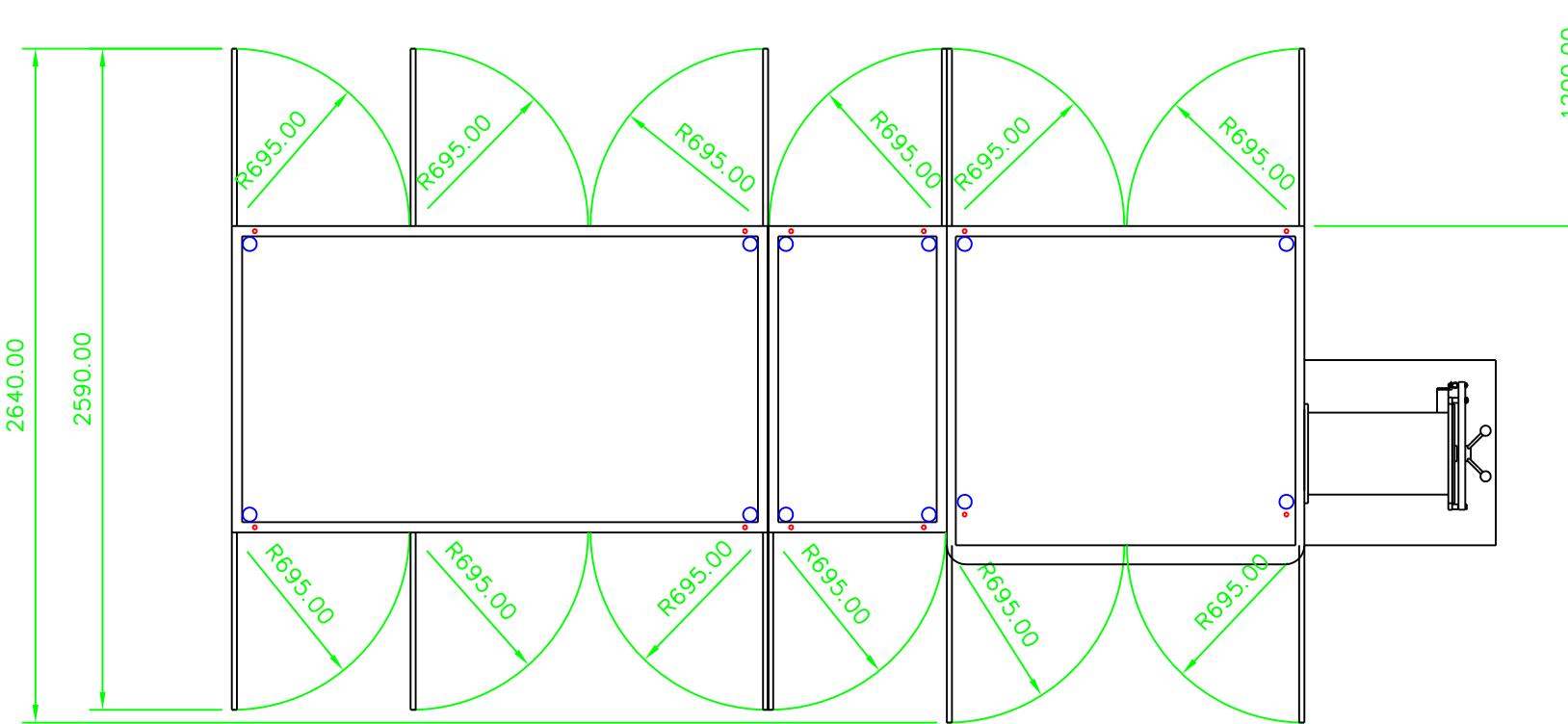
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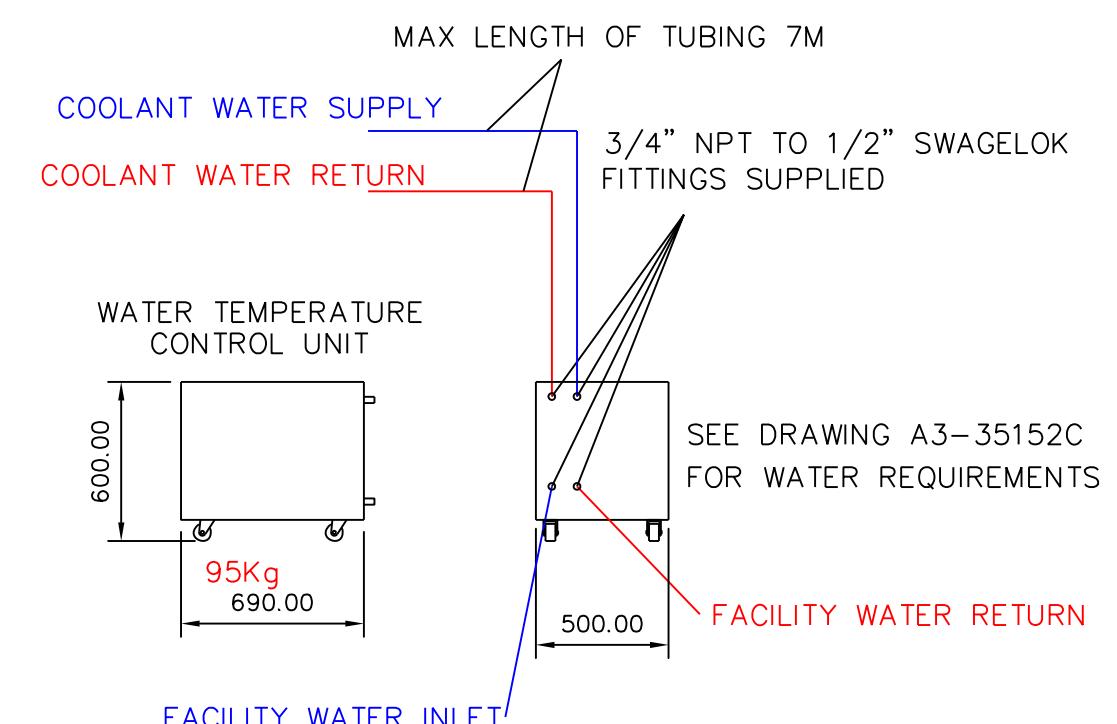
ADJUSTMENT FEET LOCATIONS



BOLT DOWN LOCATIONS



SERVICE DOORS OPEN

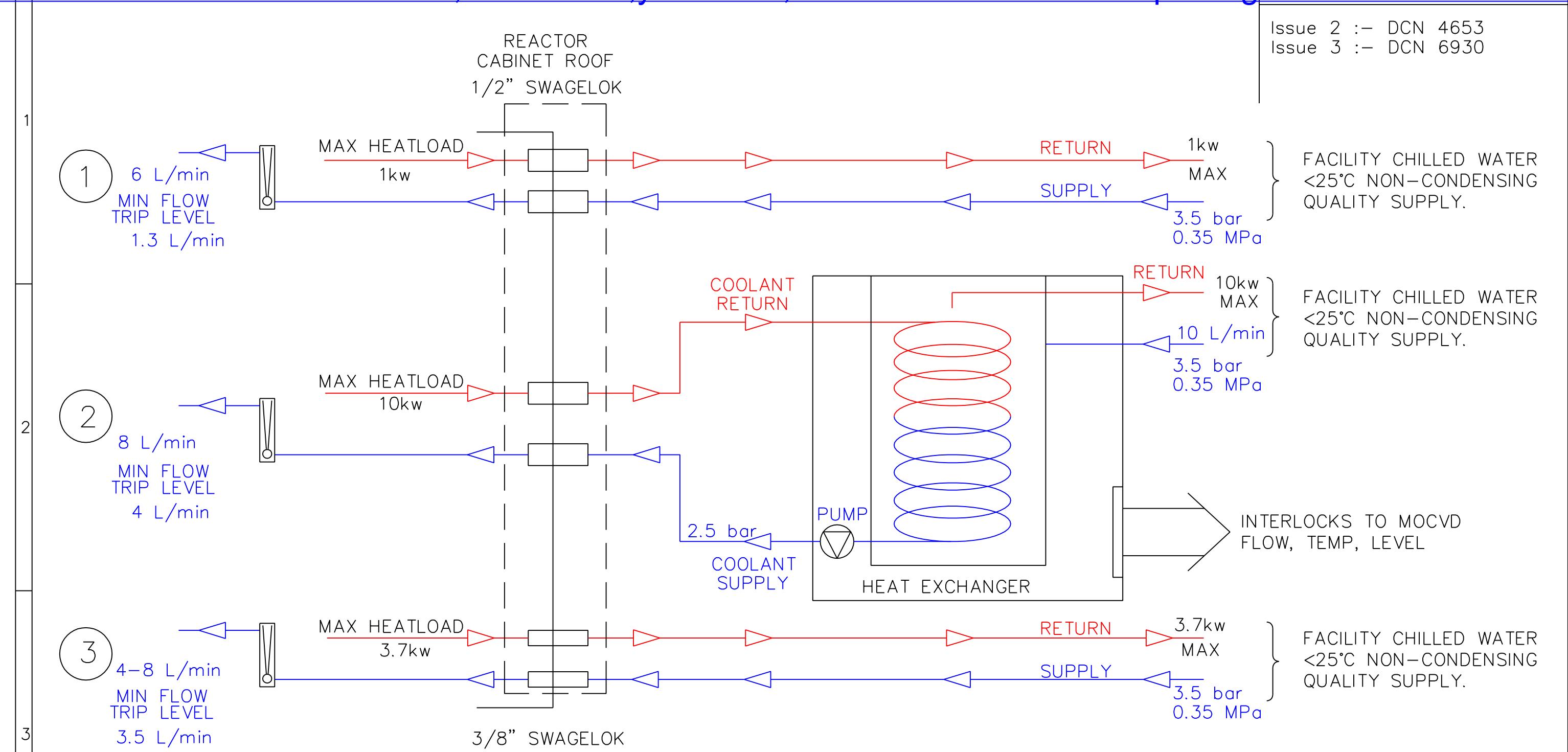
RECOMMENDED MINIMUM CLEARANCE
FOR MAIN VACUUM PUMP REMOVAL

CS18223

MATERIAL	TOLERANCES (unless otherwise stated)	AIXTRON CONFIDENTIAL			DWG No A1-46933i
FINISH	Decimals ----- ±0.3 Fractions and whole numbers ±0.5 Angles ----- ±30°	1	04.07.11	2	18.08.11
	ALL DIMENSIONS IN mm		INSTALLATION DIAGRAM		
Remove all sharp edges & burrs	DO NOT SCALE	DRN AC	CHKD	APPD	SCALE 1:20
	© Copies of this drawing may not be made without the express written permission of AIXTRON Ltd.				
					Form A1-1:20

A B C D E

RON CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse in G



1 :- BUSBARS, ROTARY FEEDTHROUGH,
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2 :- SHOWERHEAD.
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3 :- EBARA DRY PUMP.

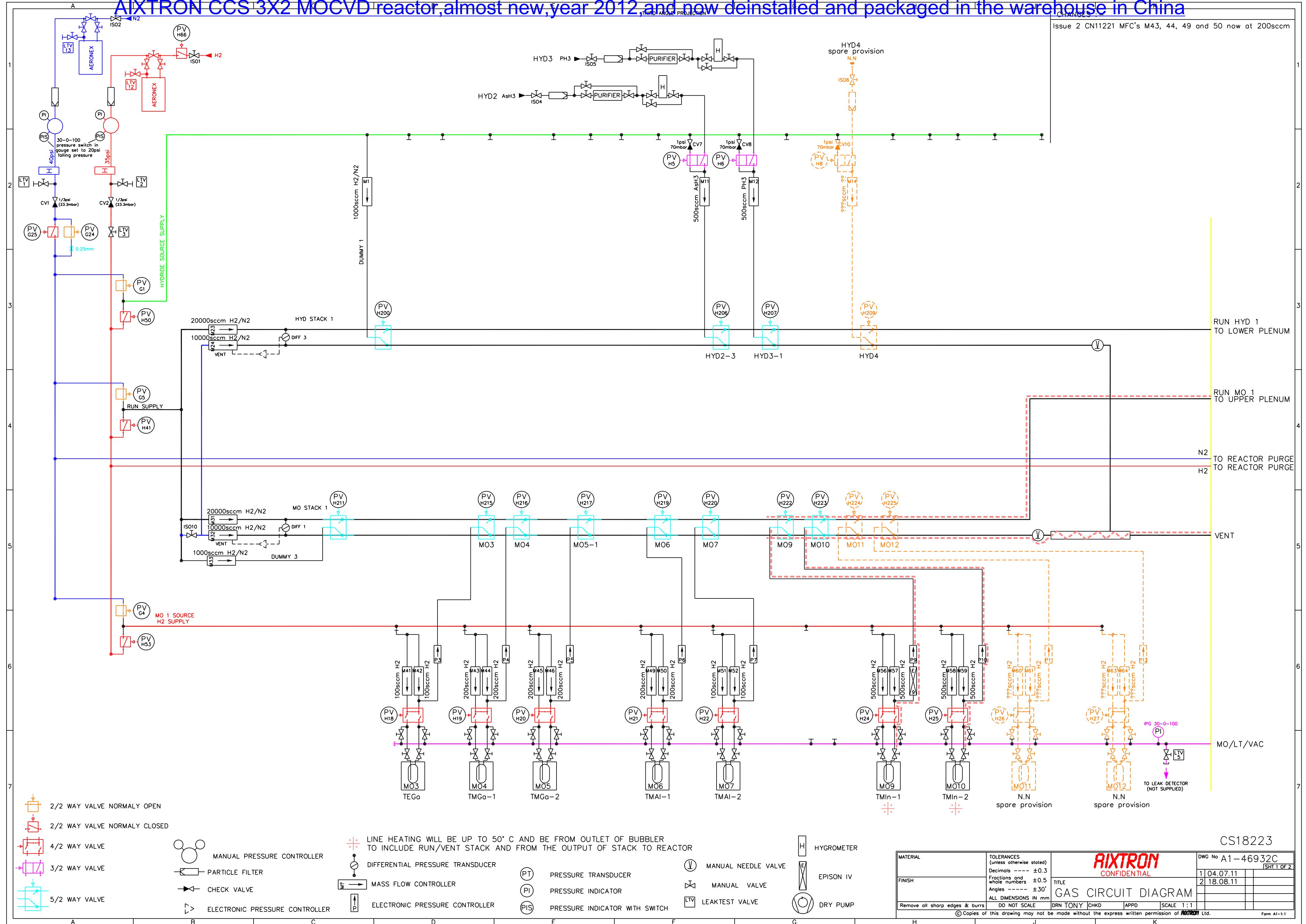
ELECTRICAL SUPPLY

SINGLE PHASE 220 VOLTS - 15 amps - 60hz
OR

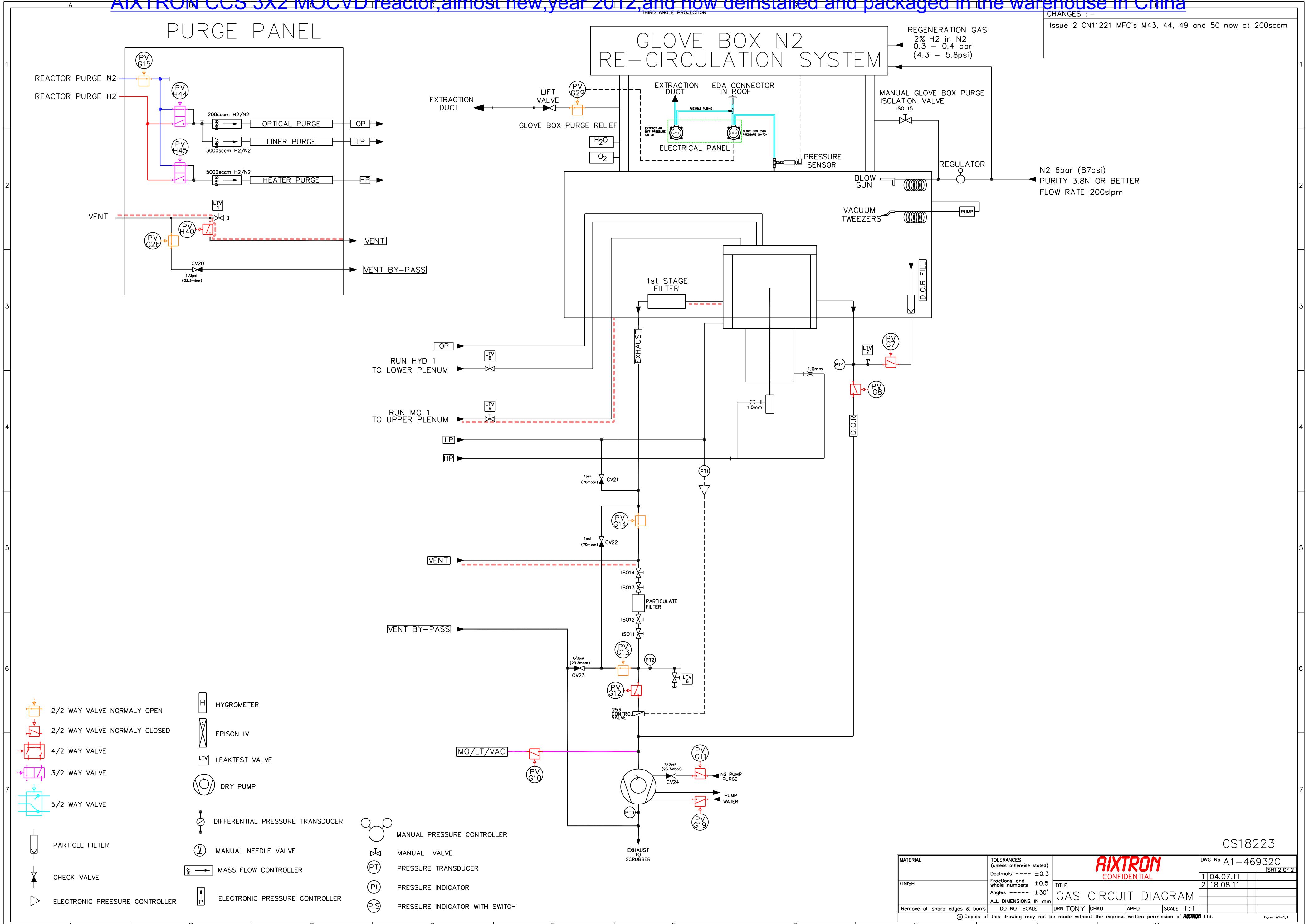
PHASE TO PHASE 208 VOLTS - 15 amps - 60hz

MATERIAL	TOLERANCES (unless otherwise stated) Decimals ----- ± 0.3	AIXTRON CONFIDENTIAL			DWG No A3-32223C
FINISH	Fractions and whole numbers ± 0.5 Angles ----- $\pm 30'$ ALL DIMENSIONS IN mm				SHT 1 OF 1
Remove all sharp edges & burrs	DO NOT SCALE	DRN	TONY	CHKD	APPD
					SCALE 1:1

AIXTRON CCS 3X2 MOCVD reactor, almost new, year 2012, and now deinstalled and packaged in the warehouse in China



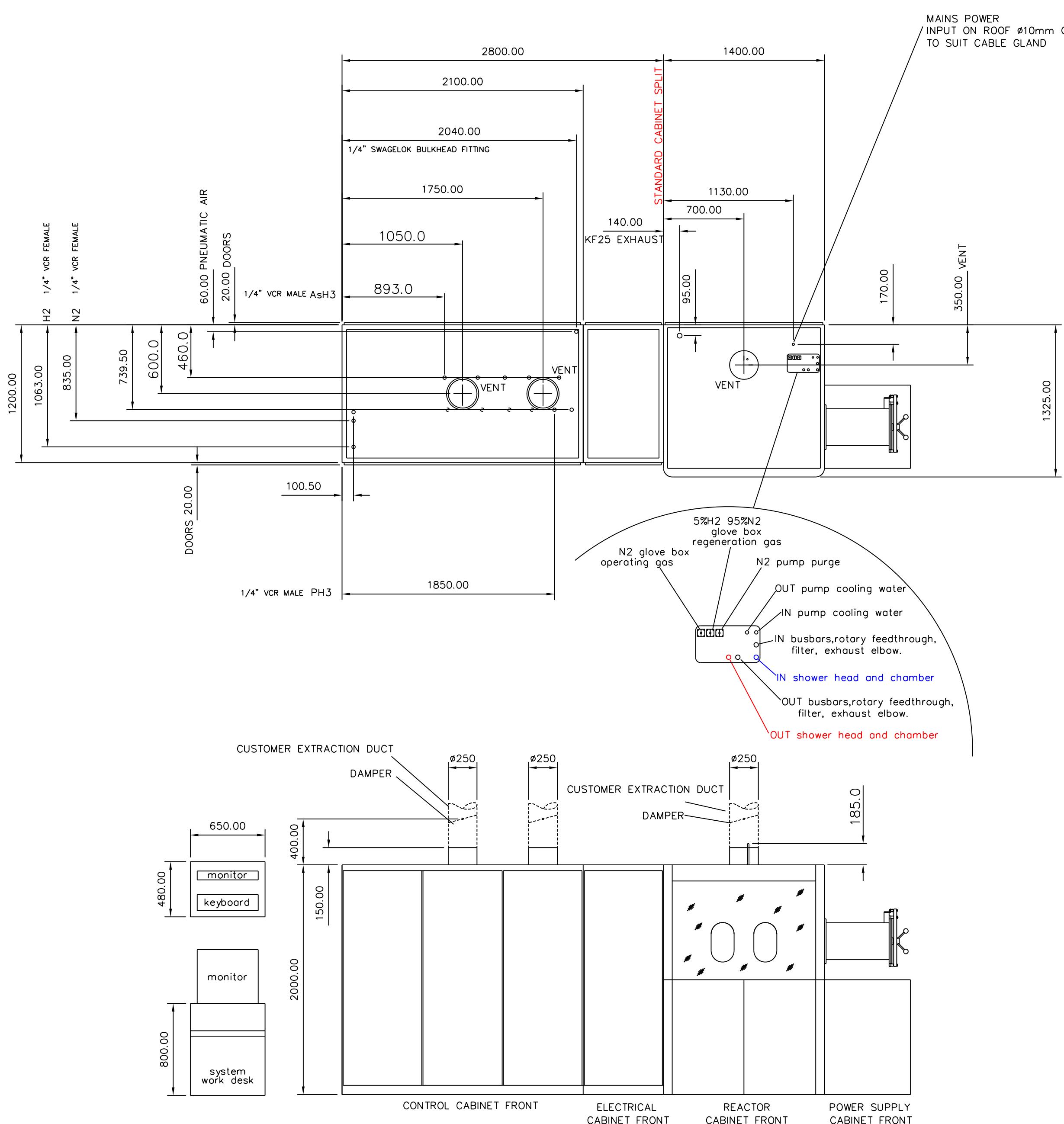
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Issue 2 CN11221 SERVICE TABLE UPDATED

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WATER SUPPLY SHOWERHEAD CHAMBER		
WATER SUPPLY BUSBARS, FEEDTHRO		
GLOVEBOX FORMING GAS 5%H2 95%N2	4.3 - 5.8psi	2250L each regen 10mm SWAGLOK
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HYD 1-2		
HYD 2-1		
HYD 2-2		
HYD 2-3 AsH3	30	* 500sccm
HYD 3-1 PH3	30	* 500sccm
HYD 3-2		
HYD 4		
HYD 5		
HYD 6		
HYD 7		
MO1		
MO2		
MO3 TEGo		* 100sccm
MO4 TMGo-1		* 200sccm
MO5 TMGo-2		* 200sccm
MO6 TMAI-1		* 200sccm
MO7 TMAI-1		* 100sccm
MO8		
MO9 TMIn-1		* 500sccm
MO10 TMIn-2		* 500sccm
MO11		*
MO12		*
* PLEASE NOTE ALL FLOWS SHOWN ARE MAX CAPACITY OF ACTUAL MATERIAL ACTUAL FLOWS AND CONSUMPTION WILL BE PROCESS DEPENDENT		
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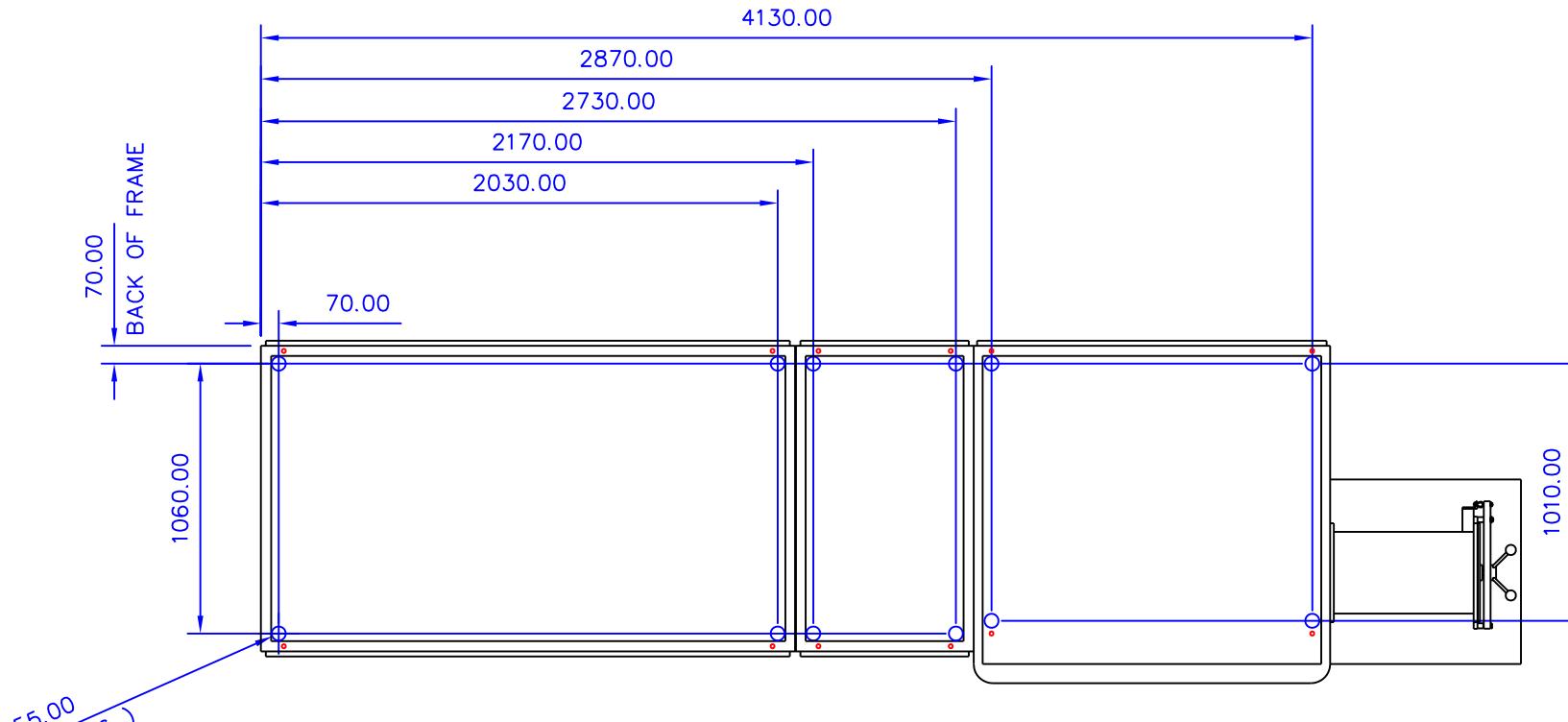
MATERIAL	TOLERANCES (unless otherwise stated) Decimals ----- ±0.3 Fractions and whole numbers ----- ±0.5 Angles ----- ±30°	DWG No A1-46933i		
FINISH	ALL DIMENSIONS IN mm	DRN AC	CHKD	APPD
Remove all sharp edges & burrs	DO NOT SCALE			SCALE 1:20
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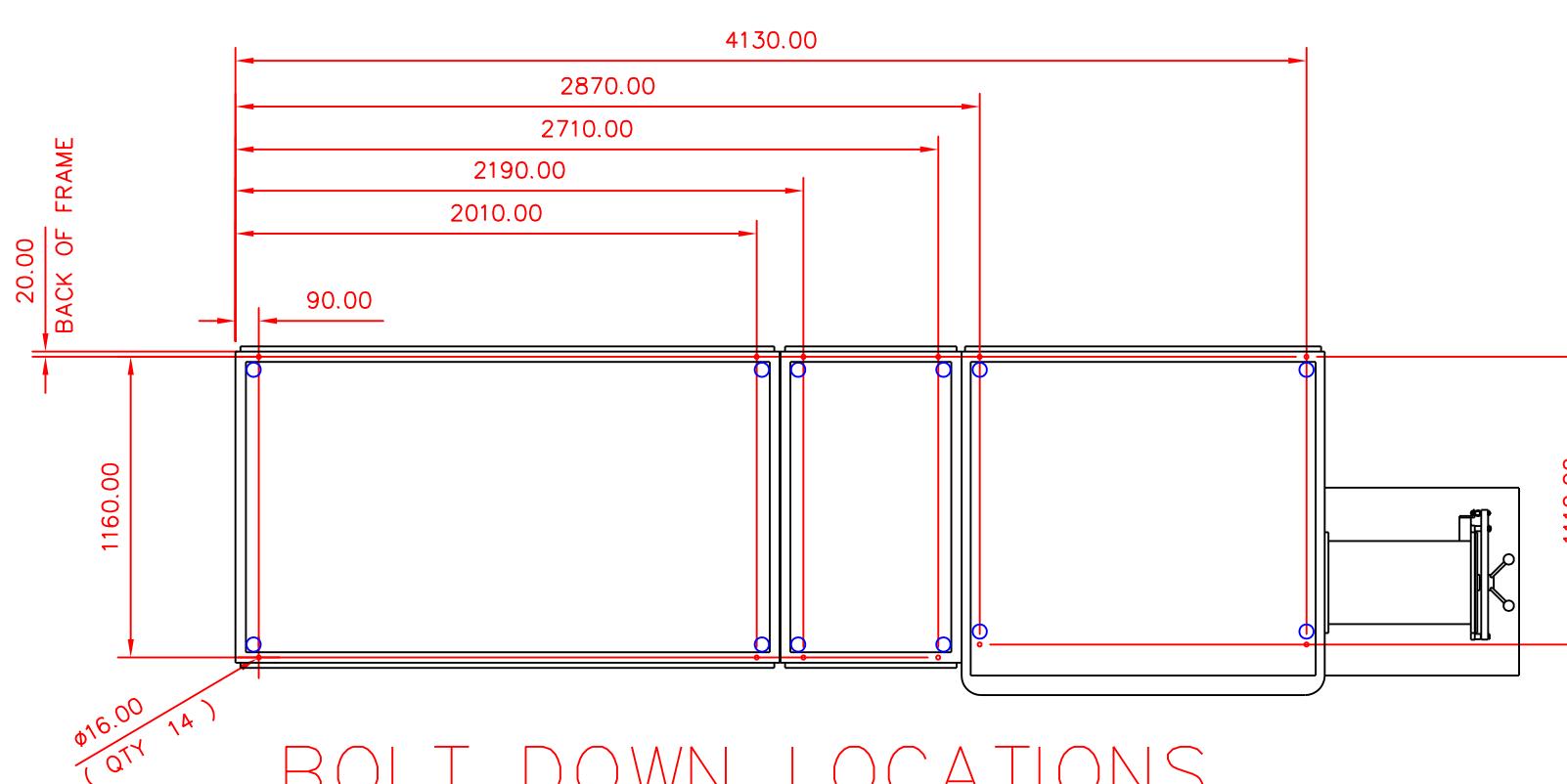
DWG No A1-46933i		SHT 1 OF 2
1	04.07.11	
2	18.08.11	

Form A1-1:20

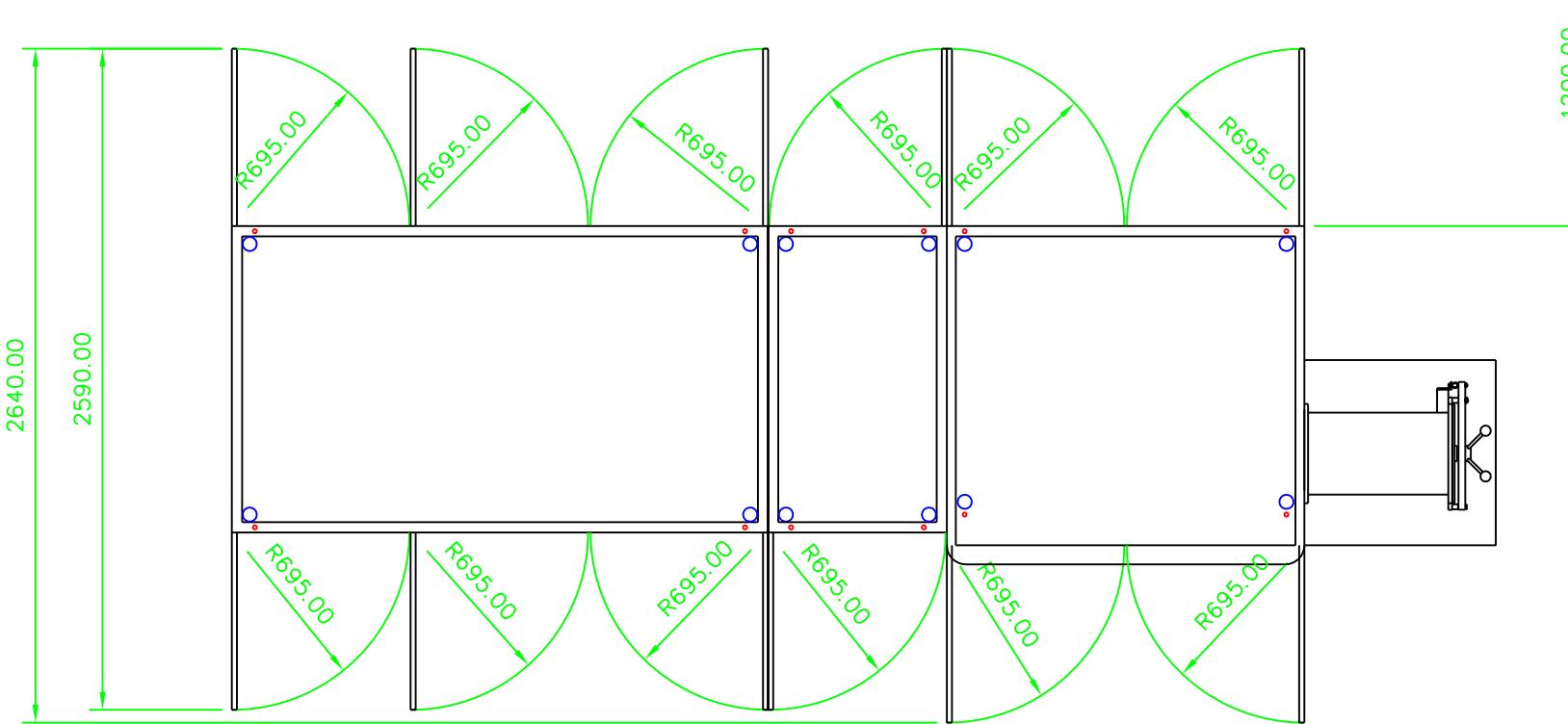
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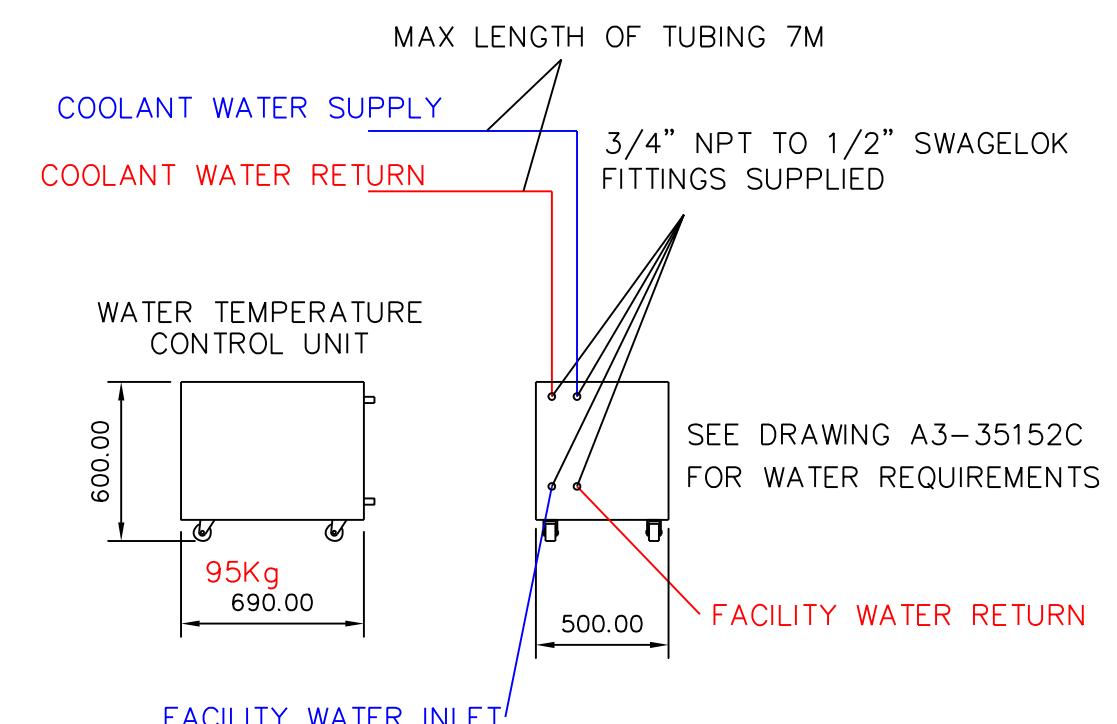
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SERVICE DOORS OPEN

RECOMMENDED MINIMUM CLEARANCE
FOR MAIN VACUUM PUMP REMOVAL

CS18223

MATERIAL	TOLERANCES (unless otherwise stated)	AIXTRON CONFIDENTIAL			DWG No A1-46933i
FINISH	Decimals ----- ±0.3 Fractions and whole numbers ±0.5 Angles ----- ±30°	1	04.07.11	2	18.08.11
	ALL DIMENSIONS IN mm		INSTALLATION DIAGRAM		SHT 2 OF 2
Remove all sharp edges & burrs	DO NOT SCALE	DRN AC	CHKD	APPD	SCALE 1:20
					Form A1-1:20

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