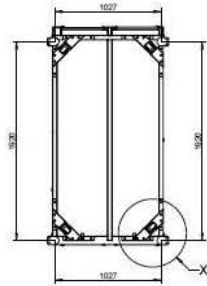


SEMITOOL OEM Semsysco SST 531 280 50Wafer

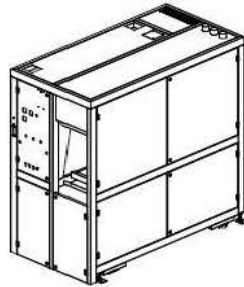
- Voltage 3x400V+N+PE 35A max
- Dimension 2100x1087x1867mm LxWxH
- 3 Heated, 2 Unheated Tanks
- 280er Chamber for 50 Wafers 8"
- Tank 1,2 was used for EKC 265, Tank 3,4 for IPA
- Additional tank Nb. 5 for tests, equipped with a Fillvessel and Metering pump. T5 Supply by external CDA cabinet.
- 2xFume Sensors Bieler+Lang
- 5x Levitronix Pumps BSM 4.2 + LC325
- Rotor 50 Wafer for Clampshell
- SECS GEM

BOTTOM VIEW

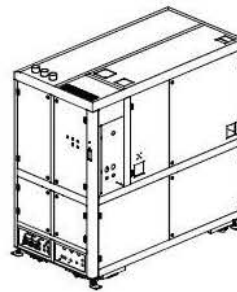


X
1:10

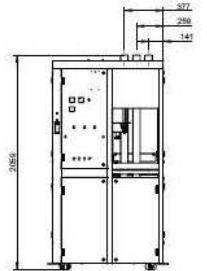
ISO FRONT



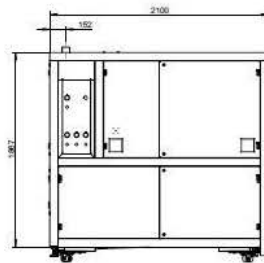
ISO REAR



FRONT VIEW



LEFT SIDE



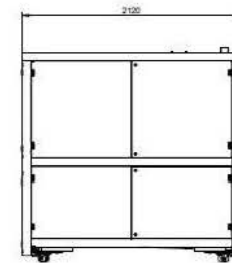
REAR VIEW



FACILITY PANEL "A"

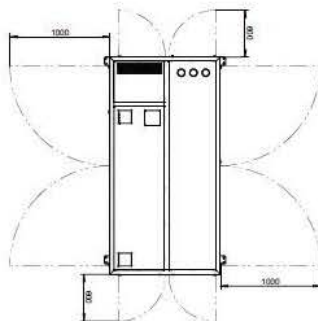
FACILITY PANEL "B"

RIGHT SIDE



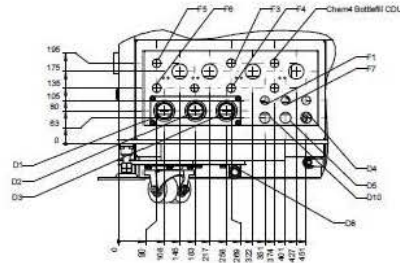
TOP VIEW

Maintenance Access Space
(Dimensions without scale)



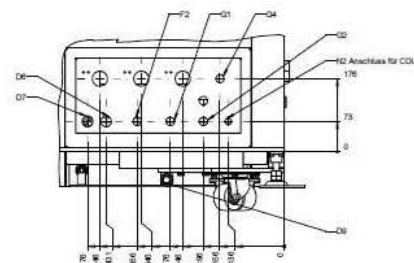
FACILITY PANEL "A"

1:5



FACILITY PANEL "B"

1:5



ELECTRICAL

FIND	DESCRIPTION	CONNECTION
V1	Total Power	1" Conduit 481 VAC, 3 Phase (w/ +G), 50A, 50/60Hz

FIND	DESCRIPTION	SIZE	MATERIAL	CONNECTION	PRESSURE	VOLUME
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LIQUIDS

F1	Chemical 1 ECC 830	1/2" od	PFA Tubing	Flare End	0.3MPa Max	
F2	Chemical 2 IPA	1/2" od	PFA Tubing	Flare End	0.3MPa Max	
F3	DI Water supply	1/2" od	PFA Tubing	Flare End	0.21 MPa Min	8.147m³/min
F4	DI Water return	1/2" od	PFA Tubing	Flare End	N/A	Adjustable
F5	Cooling Water supply	1/2" od	PFA Tubing	Flare End	5.14-6.2 MPa	7.5-11 liter typical
F6	Cooling Water return	1/2" od	PFA Tubing	Flare End	N/A	
F7	Chemical 3 KClw	1/2" od	PFA Tubing	Flare End	0.3MPa Max	

GASES

G1	Green City Air	1/2" od	PFA Tubing	Flare End	0.4-0.3MPa	140-150 liter/min
G2	Process Nitrogen	1/2" od	PFA Tubing	Flare End	0.4-0.3MPa	120-130 liter/min
G3	Vacuum	1/2" od	SS Tying	Swagelok	N/A	N/A

DRAINS

D1	1st Floor HF Res Drain	1/2" od	PFA Pipe	1/2-Clamp	Gravity	N/A
D2	Solvent water DRAIN	1/2" od	PFA Pipe	1/2-Clamp	Gravity	N/A
D3	General solvent drain	1/2" od	PFA Pipe	1/2-Clamp	Gravity	N/A
D4	Tank-Filter Drain (Tank 1)	1/4" od	PFA Tubing	Flare End	Gravity	N/A
D5	Tank-Filter Drain (Tank 2)	1/4" od	PFA Tubing	Flare End	Gravity	N/A
D6	Tank-Filter Drain (Tank 3)	1/4" od	PFA Tubing	Flare End	Gravity	N/A
D7	Tank-Filter Drain (Tank 4)	1/4" od	PFA Tubing	Flare End	Gravity	N/A
D8	1st Drain F1772	1/4" od	SS Tying	1/4" NPT CO	Gravity	N/A
D9	1st Drain F1774	1/4" od	SS Tying	1/4" NPT CO	Gravity	N/A
D10	Tank-Filter Drain (Tank 5)	1/4" od	PFA Tubing	Flare End	Gravity	N/A

Values shown represent maximum expected rates, not average volumes

EXHAUST

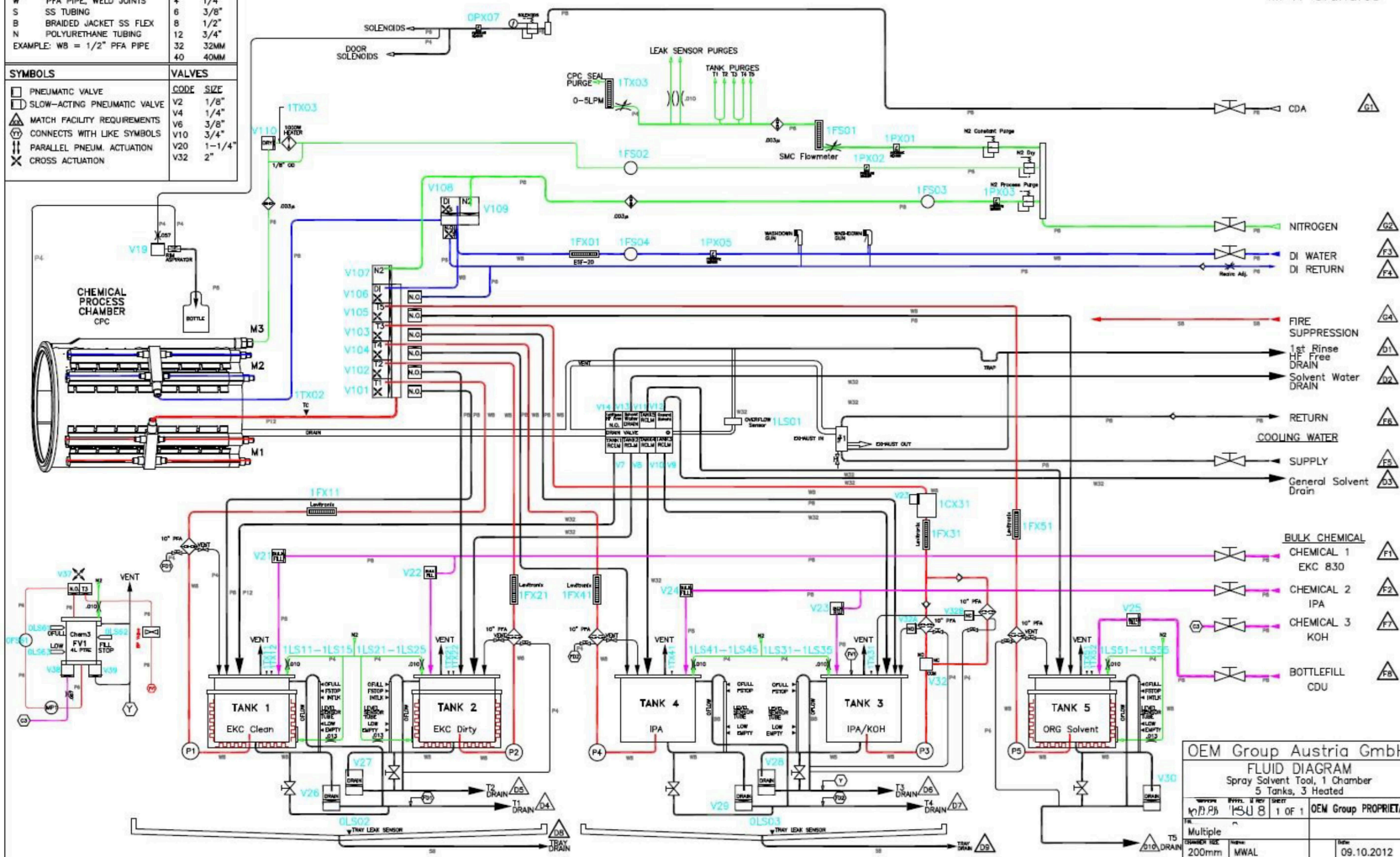
E1	Exhaust Process/Buffer	16mm	SS Tying		100-150 liter/min adjustable
E2	Exhaust Cabinet left	76mm	SS Tying		4500 liter/min +5000 liter/min
E3	Exhaust Cabinet right	76mm	SS Tying		4500 liter/min +5000 liter/min

PIPING LEGEND

MATERIAL	SIZE
P PFA TUBING, FLARE END	1/8"
W PFA PIPE, WELD JOINTS	1/4"
S SS TUBING	3/8"
B BRAIDED JACKET SS FLEX	1/2"
N POLYURETHANE TUBING	3/4"
EXAMPLE: WB = 1/2" PFA PIPE	32 32MM
	40 40MM

SYMBOLS	VALVES
	CODE SIZE
	V2 1/8"
	V4 1/4"
	V6 3/8"
	V10 3/4"
	V20 1-1/4"
	V32 2"

P1 - P5: Levitronix BPS-4
MP1: Grundfos



OEM Group Austria GmbH			
FLUID DIAGRAM			
Spray Solvent Tool, 1 Chamber			
5 Tanks, 3 Heated			
Version	Rev. 2	Rev. 1	Rev. 1
10/10/10	10/10/10	10/10/10	10/10/10
Multiple			OEM Group PROPRIETARY
200mm	MWAL	Date: 09.10.2012	