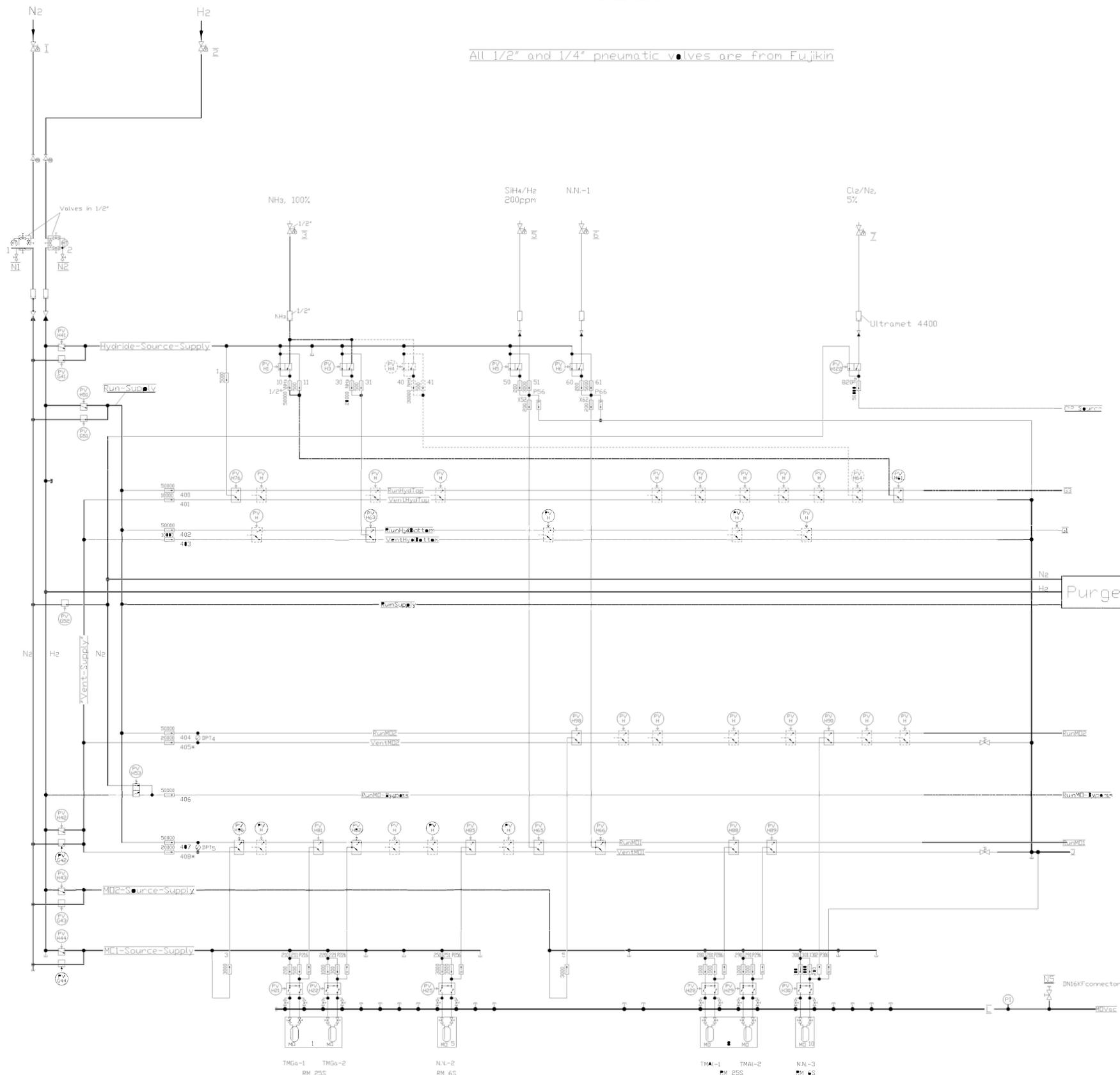
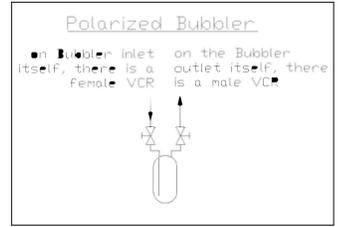


All 1/2" and 1/4" pneumatic valves are from Fujikin

- Ni-VCR- gaskets in Cl₂ carrying lines.
- Cl₂ source unit incl. LoTo-valve
 - Cl₂ source line from Cl₂ source to Extension Panel and from Extension Panel to Gas-Inlet (G4)
 - Run-Supply from Purge Panel to Extension Panel
 - Vent line from Extension Panel up to interconnect to KF-tubing
 - Cl₂ is locked on Vent => no Cl₂ on Vent
 - Ni-VCR-gaskets connections are labelled with blue dot

No flex tubes allowed in Cl₂ carrying lines.



- G - General Valves
- H - Hazardous Valves
- X - MFC for differential pressure up to 1bar (all other up to 3,5bar)

<ul style="list-style-type: none"> Heater Purge Relation Satellite Collector Purge 1 Collector Purge 2 Collector Purge 3 Cells Ferrofluidics Purge Run Hydride Bottom Run Hydride Top Vent MD-Vacuum Leaktest Port Light Pipe Purge Viewport Purge DDP 	<ul style="list-style-type: none"> High Vacuum Ball Valve 1/4" 1/2" 3/4" 3/8" KF 16 KF 40 KF 50 	<ul style="list-style-type: none"> Mass Flow Controller Manual Pressure Controller 5/2 Way Valve Check Valve Manual Valve Needle Valve 2/2 Way Valve no 2/2 Way Valve nc Particle Filter Elson 4 3/2 Way Valve 4/2 Way Valve Drift Pressure Transducer Drift 6mm Dry Pump LoTo Valve 	<ul style="list-style-type: none"> Pressure Transducer Moisture Sensor Pressure Indicator Pressure Switch Pressure Valve Electric Valve Electric/Pneumatic Valve Differential Pressure Transmitter
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Bubbler outlets of TMin and Cp₂Mg are in 1/4" (all other in 1/8")

All thermobaths are water cooled

PT 4 & 5: 100mbar type

All MFCs/MCs are from Steca

Reactor MFC (400- max:449) are positioned in Reactor Cabinet, except MFC406&409 (GMCabinet)

* = X-mode-MFC (MFC 405 and 409) = 20slm, if the active pressure balancing is integrated, otherwise a standard MFC is integrated

	Thermobath	Size (Bath opening) W x D x H [mm]
Lauola (-20 - 150°C)	RM6	130 x 150 x 160
	RM25	300 x 350 x 200

2	Released	15.08.16	LRoe
1	Released	03.06.16	LRoe
0	Released	23.03.16	LRoe

FINISH Surface area DIN ISO 1302	ISO 128	Scale: -	Material: -	Rev: 2	Title: Gas Mixing System
Remove all sharp edges & burrs	AO	Date: -	Drawn by: -	Checked: -	Drawing number: AIX G5 HT
DO NOT SCALE				AIXTRON CONFIDENTIAL	
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