



- Ni-VCR- gaskets in Cl<sub>2</sub> carrying lines.**
- Cl<sub>2</sub> source unit incl. LoTo-valve
  - Cl<sub>2</sub> source line from Cl<sub>2</sub> source Gas-Inlet (G6)
  - Vent line from Purge Panel up to interconnect to KF-tubing
  - Cl<sub>2</sub> is locked to Vent => no Cl<sub>2</sub> on Vent
  - Ni-VCR-gaskets connections are labelled with blue dot

No flex tubes allowed in Cl<sub>2</sub> carrying lines.

<ul style="list-style-type: none"> <li>Hydride Purge</li> <li>Retention Satellite</li> <li>Collector Purge 1</li> <li>Collector Purge 2</li> <li>Collector Purge 3</li> <li>Celling</li> <li>Perfluoride Pump</li> <li>Run Hydride Bottom</li> <li>Run Hydride Top</li> <li>Vent</li> <li>MD-Vacuum</li> <li>Lowest Vent</li> <li>Light Pipe Purge</li> <li>View Vent Purge</li> <li>General Valves</li> <li>Hazardous Valves</li> <li>MFC for differential pressure up to 1bar (all other up to 3,5bar)</li> </ul>	<ul style="list-style-type: none"> <li>Run Bottom Penta</li> <li>Run Center Penta 4</li> <li>Run Center Penta 3</li> <li>Run Center Penta 2</li> <li>Run Top Penta</li> <li>Bole D-Valve</li> <li>High Vacuum Ball Valve</li> <li>Valves in 1/2"</li> <li>Valves in 1/4"</li> <li>Valves in 3/8"</li> <li>Valves in 1/8"</li> <li>Space</li> <li>Provision for Future Extension</li> </ul>	<ul style="list-style-type: none"> <li>Digital Mass Flow Controller</li> <li>Digital Pressure Controller</li> <li>Leak Valve</li> <li>Needle Valve</li> <li>Check Valve</li> <li>Manual Valve</li> <li>2/2 Way Valve no</li> <li>2/2 Way Valve nc</li> <li>Particle Filter</li> <li>Epison 5</li> <li>Space Connection</li> <li>3/2 Way Valve</li> <li>4/2 Way Valve</li> <li>3PT Diff Pressure Transducer</li> <li>Drifted 0Inn</li> <li>Dry Pump</li> <li>Log-out tag-out valve</li> <li>5/2 Way Valve</li> <li>Pressure Transducer</li> <li>Moisture Sensor</li> <li>Pressure Indicator</li> <li>Pressure Switch</li> <li>Pressure Valve</li> <li>Electric Valve</li> <li>Electric/Pneumatic Valve</li> <li>Diff Pressure Pressure Transmitter</li> <li>Pressure Regulator with Pressure Indicator Switch</li> </ul>
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- All 1/2" and 1/4" pneumatic valves are from Fujikin
- Bubbler outlets of TMin and CpMg are in 1/4" (all other in 1/8")
- P415, P455, P465 are special Stec type (flow <5slm)
- P475 is a special Stec type (flow <10slm)
- MFC441 up to and including MFC463 are special Stec <JX> type
- X<sub>1</sub> Line Heating up to 50°C (Heattapes from outlet bubbler to inlet Pent Panel)
- \* = X-mode-MFC (MFC 405 and 408) = 20slm, if the active pressure balancing is integrated, otherwise a standard MFC is integrated
- MFC 420-429 calibration configuration via system control

Rev.	Release	Date	Name
6	Released	2010.22	ALoer
5	Released	05.10.22	ALoer
4	Released	26.09.22	PMor
3	Released	02.09.22	ALoer
2	Released	07.07.22	ALoer
1	Released	22.03.22	ALoer
0	Released	25.02.22	ALoer

FINISH Surface area DIN ISO 1302 Ra 3.2 Remove all sharp edges & burrs DO NOT SCALE The entire contents of this document are the intellectual property of AIXTRON SE and AIXTRON Ltd. In addition to the author's rights and copyright, AIXTRON SE and AIXTRON Ltd. each reserve the right in particular to apply for industrial property rights (patents). Reproduction and/or transmission to third parties (including extracts) is not permitted without the prior written consent. Any misuse of this document could result in civil and criminal proceedings.	ISO 128 Scale: Rev. 6 Material: AIX Title: Gas Mixing System Reference: M03.0 Drawing number: 1 Sheet: 1
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	Thermobath	Size (Bath opening) W x B x H [mm]
SMC (-15 - 60°C)	B1	216 x 216 x 250
	B2	300 x 350 x 250
SMC (-15 - 60°C)	B3	216 x 216 x 450
	B4	216 x 216 x 250