



- Ni-VCR- gaskets in Cl₂ carrying lines.**
- Cl₂ source unit incl. LoTo-valve
 - Cl₂ source line from Cl₂ source Gas-Inlet (G6)
 - Vent line from Purge Panel up to interconnect to KF-tubing
 - Cl₂ is locked to Vent => no Cl₂ on Vent
 - Ni-VCR-gaskets connections are labelled with blue dot

No flex tubes allowed in Cl₂ carrying lines.

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| <ul style="list-style-type: none"> Hydride Purge Retention Satellite Collector Purge 1 Collector Purge 2 Collector Purge 3 Celling Perfluoride Pump Run Hydride Bottom Run Hydride Top Vent MD-Vacuum Lowest Point Light Pipe Purge Viewport Purge General Valves Hazardous Valves MFC for differential pressure up to 1bar (all other up to 3,5bar) | <ul style="list-style-type: none"> RunBottom Penta RunCenter Penta 4 RunCenter Penta 3 RunCenter Penta 2 RunTop Penta Bolele D-Valve High Vacuum Ball Valve 1/4" 1/2" 3/8" MF 16 MF 40 MF 50 Space Provision for Future Extension | <ul style="list-style-type: none"> Digital Mass Flow Controller Digital Pressure Controller Leak Valve Needle Valve Check Valve Manual Valve 2/2 Way Valve no 2/2 Way Valve nc Particle Filter Epison 5 Space Connection 3/2 Way Valve 4/2 Way Valve 3PT Diff Pressure Transducer Driftex 0Inn Dry Pump Log-out tag-out valve 5/2 Way Valve Pressure Transducer Moisture Sensor Pressure Indicator Pressure Switch Pressure Valve Electric Valve Electric/Pneumatic Valve Diff Pressure Pressure Transmitter Pressure Regulator with Pressure Indicator Switch |
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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
- X₁ 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 |

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| <p>FINISH Surface area DIN ISO 1302</p> <p>Remove all sharp edges & burrs</p> <p>DO NOT SCALE</p> | <p>ISO 128</p> <p>Scale: Rev. 6</p> <p>Material: AIX 65+ C</p> <p>Checked: ALoer</p> <p>Standard: AIXTRON CONFIDENTIAL</p> | <p>Title: Gas Mixing System</p> <p>Reference: M03.0</p> <p>Drawing number: 1</p> <p>Sheet: 1</p> |
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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 |