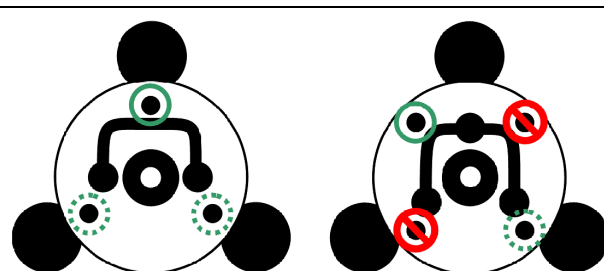


## Installation of the Nitrogen-Levelsensor

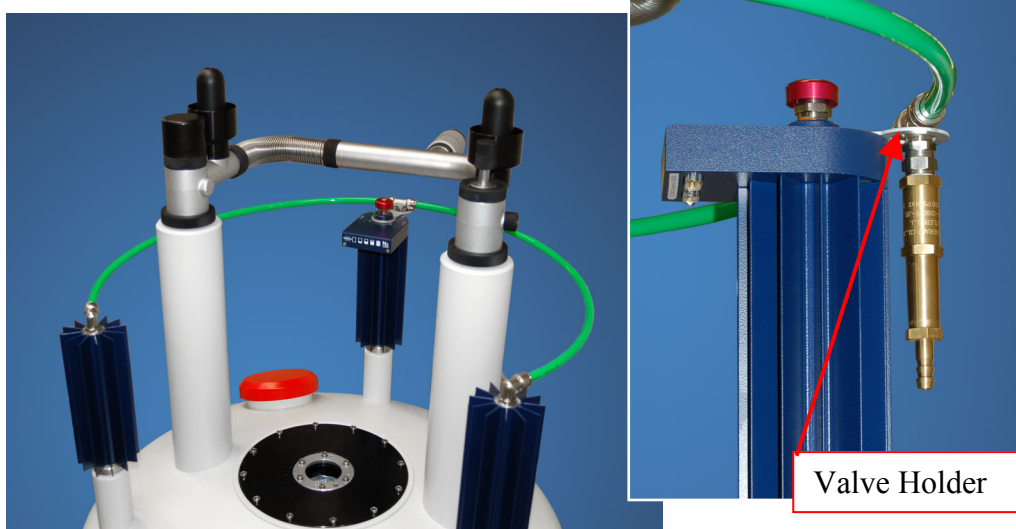
Mount the Nitrogen levelsensor in a nitrogen turret according to the following table. Use the standard installation if possible.

|   |   |
|---|---|
|    | <b>Standard installation of the Nitrogen-levelsensor</b>  |
|   | <ul style="list-style-type: none"> <li>- Cryostat with 3 nitrogen turrets: <b>rear turret</b></li> </ul>                    |
| <ul style="list-style-type: none"> <li>○ Standard Position</li> <li>⋯ Alternative Position</li> <li>⊘ Forbidden Position</li> </ul> | <ul style="list-style-type: none"> <li>- Cryostat with 4 nitrogen turrets: <b>rear left turret</b></li> </ul>               |
|   | <b>Alternative installation of the Nitrogen levelsensor</b>   |
|   | <ul style="list-style-type: none"> <li>- Cryostat with 3 nitrogen turrets: <b>front turrets (left and right)</b></li> </ul> |
|   | <ul style="list-style-type: none"> <li>- Cryostat with 4 nitrogen turrets: <b>front right turret</b></li> </ul>             |

## Installation of the Nitrogen Flow System

### Standard-Configuration

- Install the heat exchangers on the remaining turrets. On a system with four Nitrogen turrets use one heat exchanger with a connector for two tubes.
- Place the one way valve in the valve holder of the N2-Levelsensor.
- Insert the green tubes between the tube connectors of the nitrogen heat exchanger.



**Figure 1:** Standard installation of the N2-levelsensor on a cryostat with three nitrogen turrets.

### Non-Standard-Configuration

Under special circumstances (eg. site-planning) a configuration of the N<sub>2</sub>-flowsystem different from the standard configuration may be used.

- Mount the N<sub>2</sub>-levelsensor in one of the two nitrogen turrets in the front. (*four N<sub>2</sub>-turrets cryostat: front right*).
- Install the two heat exchangers with single tube connectors on the remaining two turrets (*four N<sub>2</sub>-turrets cryostat: front left turret and rear right turret*).
- In case of a system with four nitrogen turrets mount a heat exchanger with a double tube connector on the rear left turret.
- Use the straight fitting (Mat.Nr. 49303) to connect the check valve with its T-piece to the tube connector on the appropriate heat exchanger.
- Insert the green tubes of the nitrogen flowsystem between the tube connectors of the three heat exchangers on the nitrogen turrets.



Straight fitting (Mat. Nr. 49303)