SQ24 – Cryostat isolated or connected to the He recovery circuit

**Sensors and actuators used:**

- Pressure: PT660, PT681

- Valve: FV581, FV582, FV583, FV584, FV585, FV587, FV640, FV641, FV642, FV643, Switch Valves

- Control valve: CV581, CV583.

|  |  |
| --- | --- |
| **The user chooses:** | **Initial conditions:** |
| - Cryostat isolated or not isolated | - Sequences 6 and 7 stopped  - Sequences from 10 to 20 stopped |
| - Mode : Vacuum/Liquid, Magnet |
| - Pressure setpoint: PT660Maxi |

PT660 > PT660Maxi

OR

PT681> PT660Maxi

Alarm validated

Cryostat isolated

Close Switch Valves “Cryostat 4K circuit”

Close Switch Valves “Magnet 4K circuit”

Close FV640, FV641, FV642, FV643, FV587

Close FV582

Open CV581, CV583

Open Switch Valves “Cryostat 4K circuit”

Open Switch Valves “Magnet 4K circuit”

Magnet

Stop

Not isolated

Alarm validated

Cryostat isolated

Cryostat isolated

Close Switch Valves “Cryostat 4K circuit”

Close FV640, FV641, FV642, FV643

Close FV582

Open CV581

Open Switch Valves “Cryostat 4K circuit”

Pressure control

He Circuits

Pressure Alarm

Liquid OR Vacuum

Not isolated

Stop

Not isolated

Cryostat connected at the He recovery circuit

Cryostat connected at the He recovery circuit

PT660 > PT660Maxi

He Circuits

Pressure Alarm

Cryostat isolated

Stop

Pressure control

Not isolated