



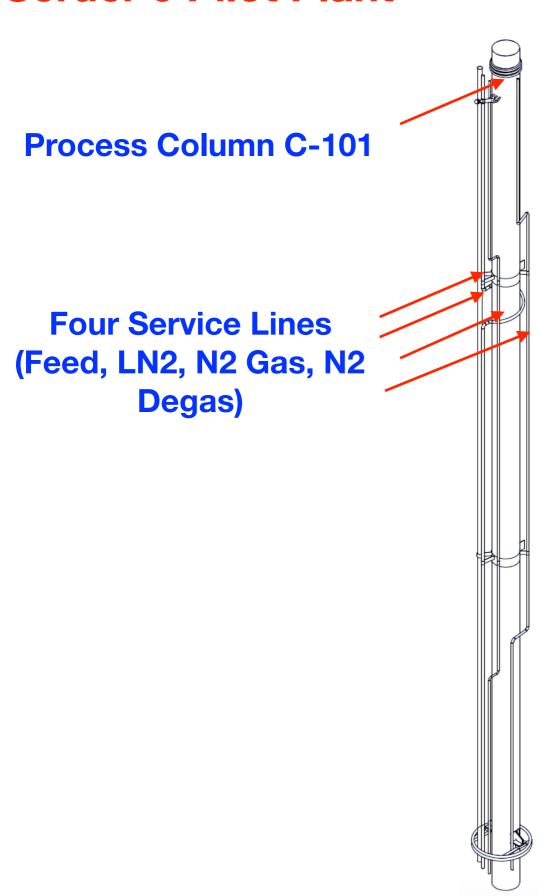
## **Leak Test of Seruci-0**

**Aria Internal Review** 

Carbosulcis August 6th, 2018

M. Razeti
INFN - Sezione di Cagliari

## **Seruci-0 Pilot Plant**

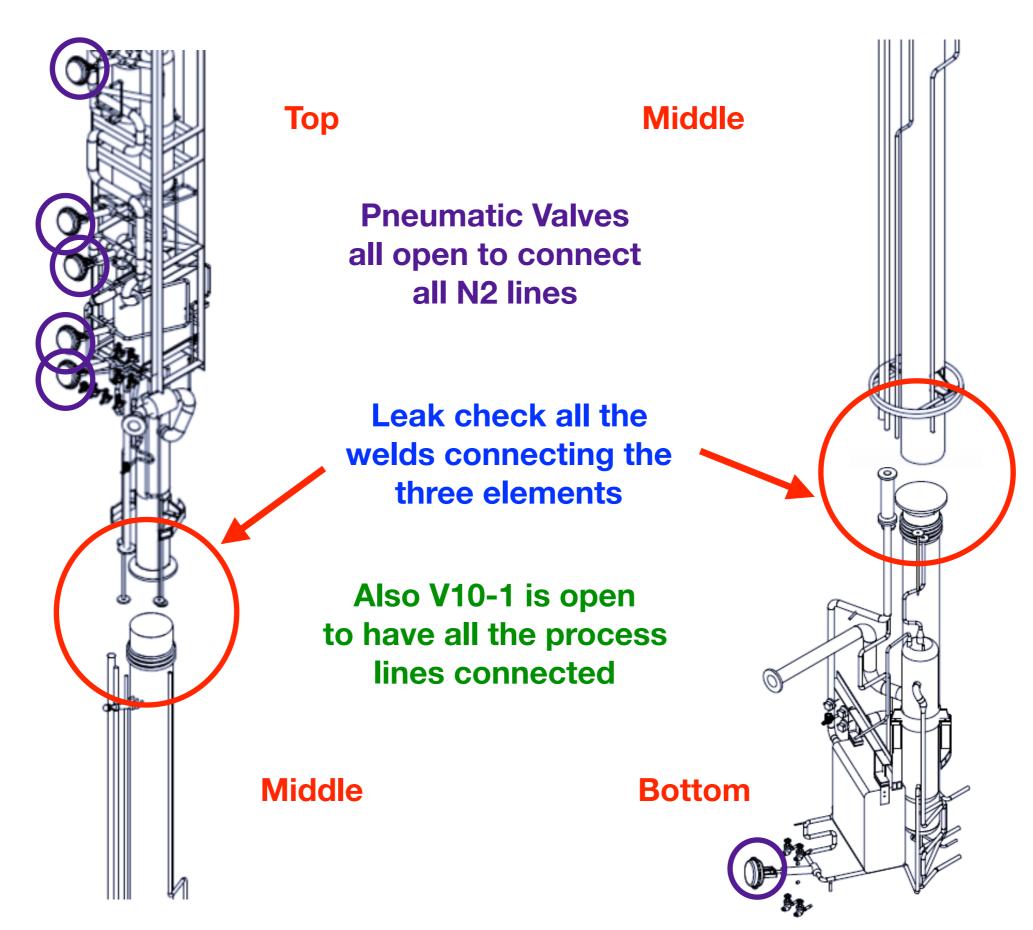


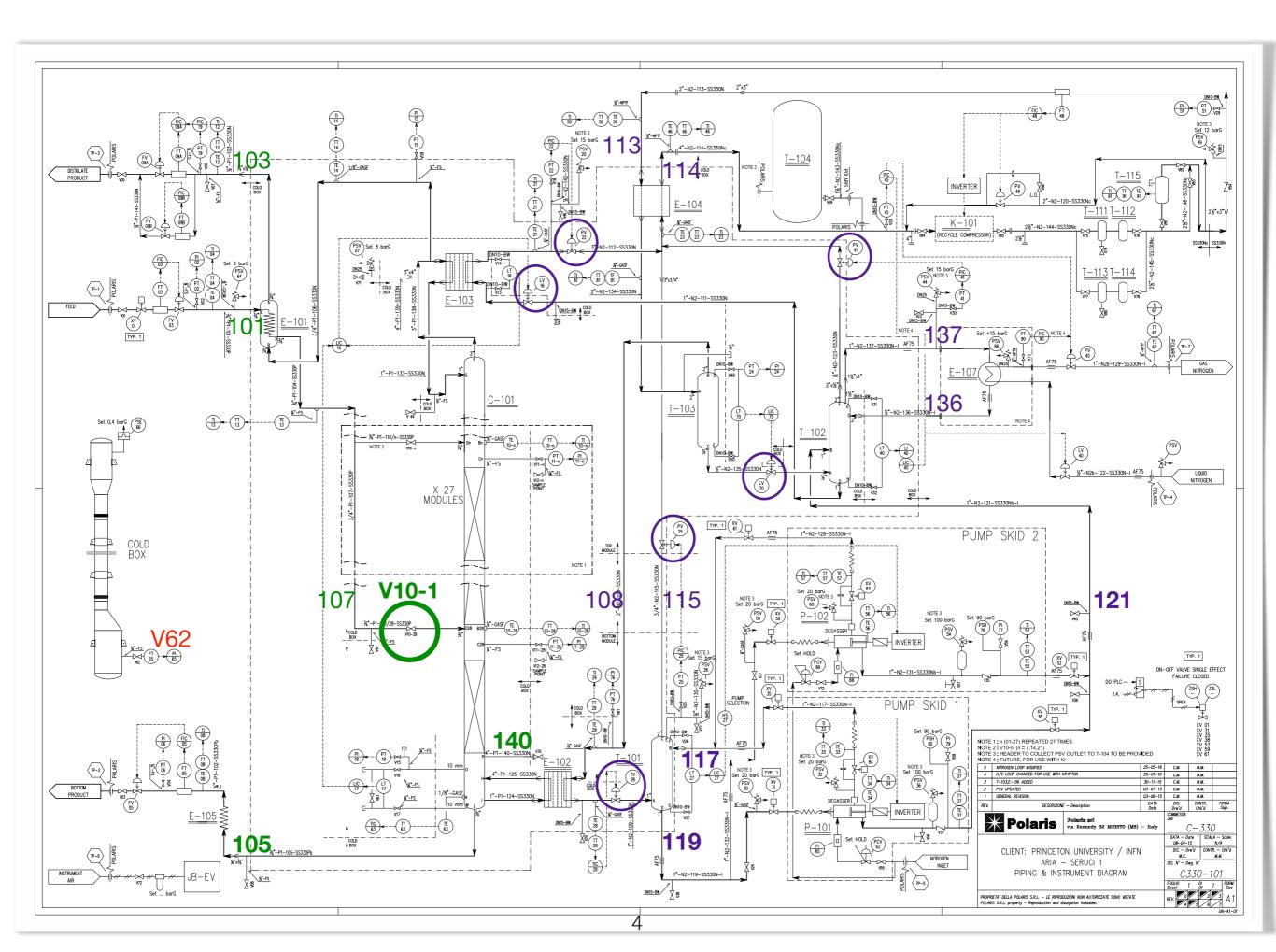


#### **Top Module**

**Middle Module** 

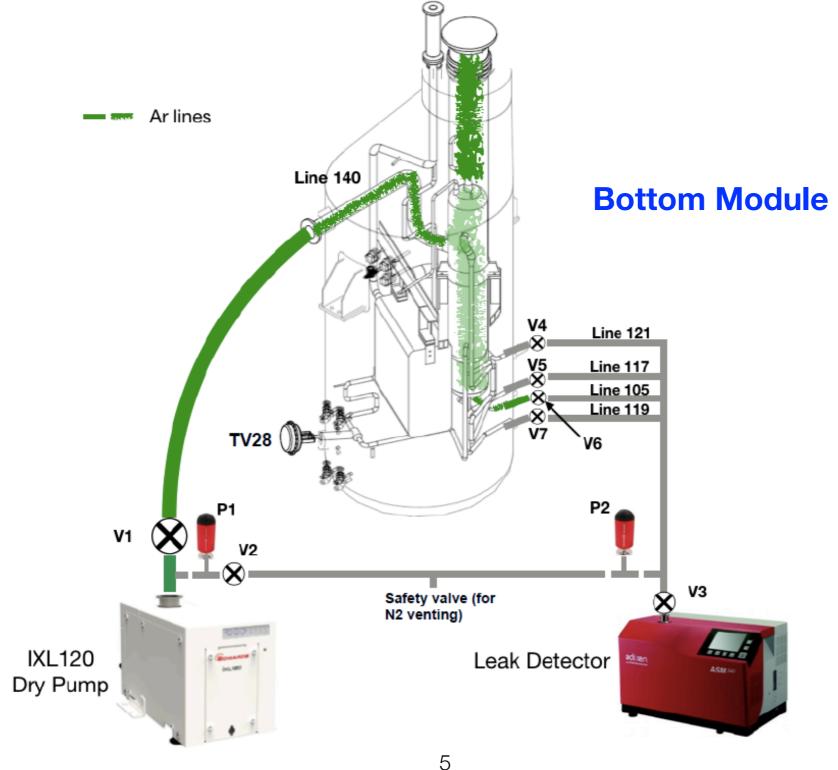
**Bottom Module** 

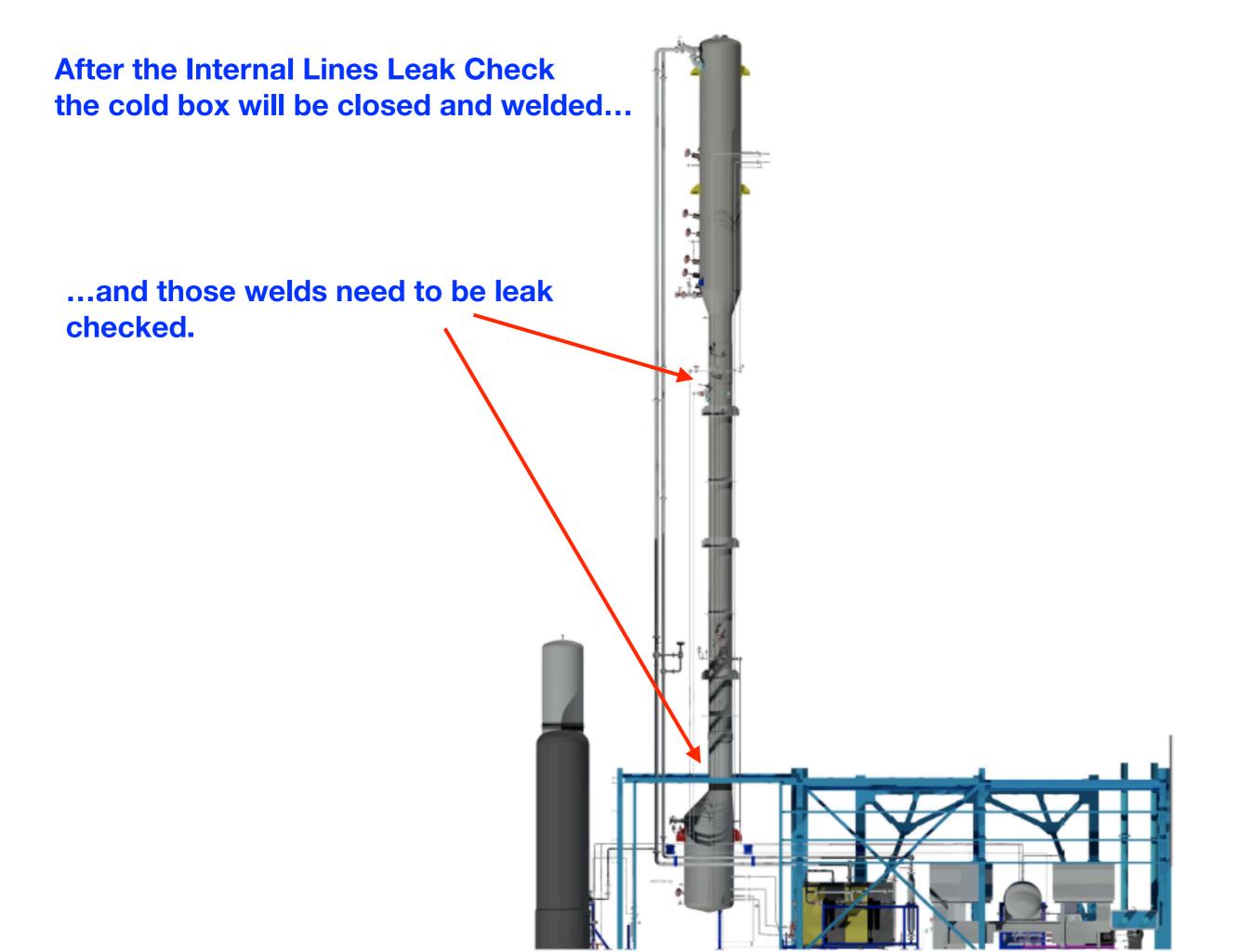


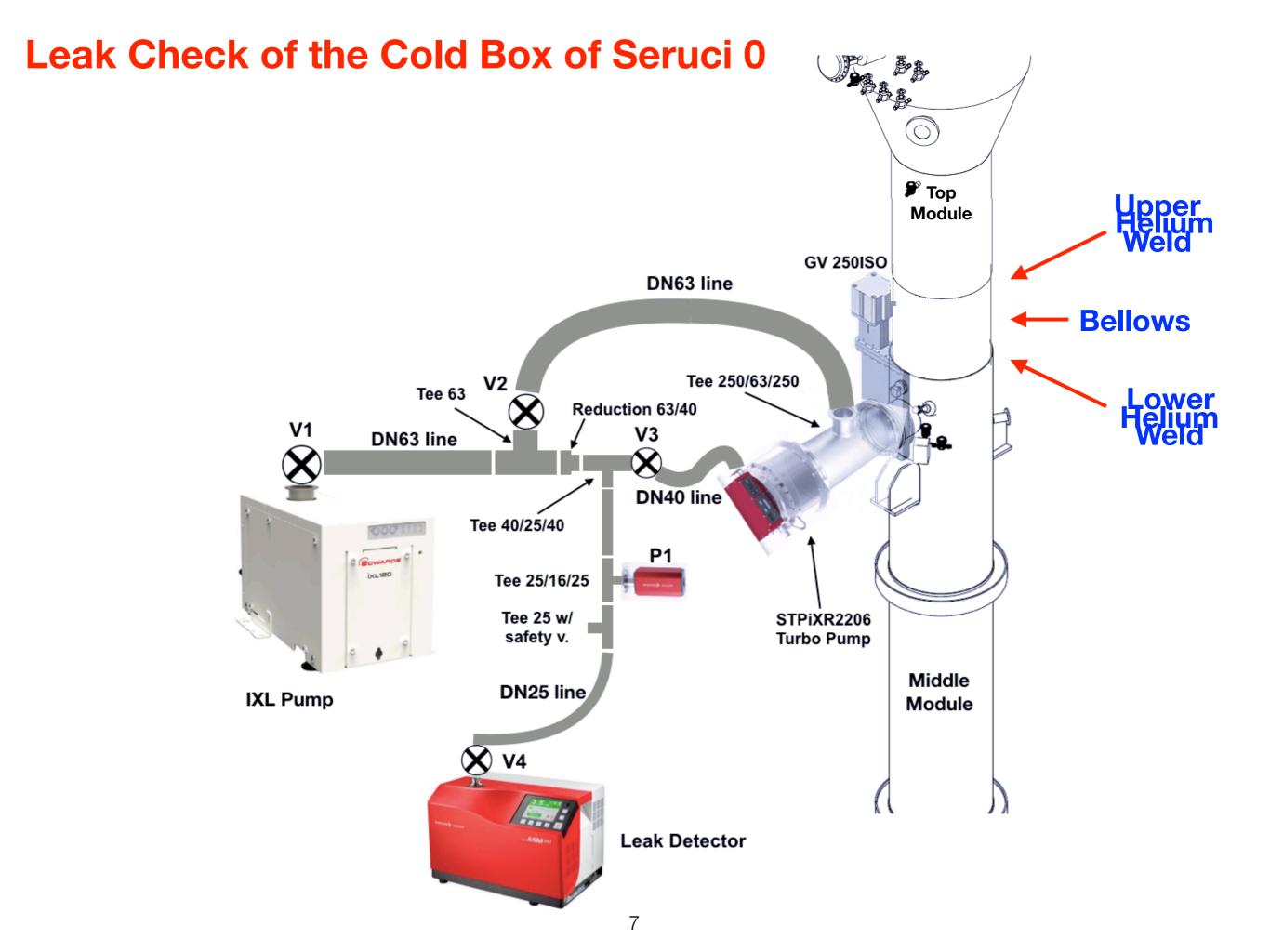


#### Leak Check of all the Internal Lines of Seruci 0

All the PROCESS and NITROGEN lines (105, 140, 117, 119, 121) are reachable from the Bottom Module



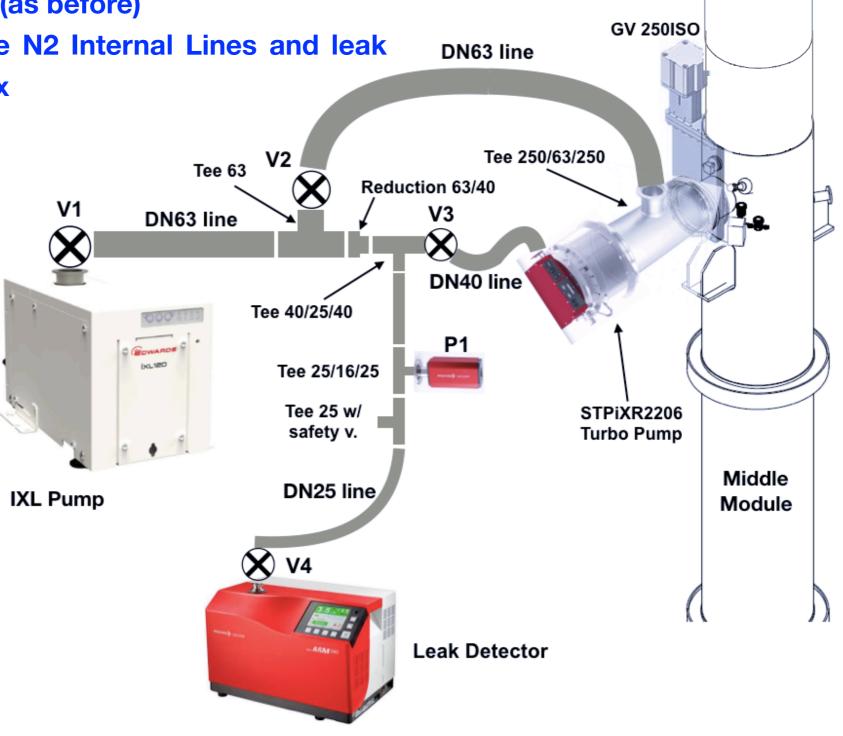




### Global Leak Check of the Internal Lines

- Cold Box and Internal Lines need to be evacuated
- First fill with helium C-101 and L107 up to 1 bar and leak check the cold box (as before)
- Then fill with helium the N2 Internal Lines and leak check again the cold box

It doesn't allow to pinpoint a possible leak in the system but provides the overall leak (or the background achieved).



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# **The End**