

Turn ON FR-X

Turn in-house FR-X OFF

Engine Room

Switch ON the main switch of the water cooling device in the engine room. Wait until the temperature is stabilized at 17°C.

Switch ON the nitrogen compressor in the engine room using the touch panel. After a 3 min idle wait, the pump should stabilize in 30 min. Wait for 1 h.

FR-X

Switch the main power source ON.

Reset and then switch ON at the back of the FR-X.

POWER ON on the FR-X main panel.

Start the Vacuum on the XG Control panel. Wait until vacuum is below $1.10E-4$ (about 1h30).

Decrease gradually the voltage and intensity from 45 kV and 66 mA to 20 kV and 10 mA. First step 66→60 mA, then 45→40 kV. Wait 10 s. Then decrease by steps of 10. (Lower the intensity first)

Turn X-RAY OFF on the XG Control panel. Wait 1h.

Cryostream

Program / Ramp (change with dial) / Enter

Choose the speed (up to 360K/h) / Enter Target / Ambient / Enter Enter / Enter Start

When ambient temperature is reached, stop Turn OFF at the back

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