



- Connect xenon cylinder. Check valve to Xe & finger screw (just finger tight, as delicate valve) are closed.
- Open main Xe cylinder valve. Set regulator to between 3-5 Bar. Open regulator valve.
- Put cell either vertical or horizontal. Put reservoir of cryoprotectant into cell. Put crystal in loop, attach to magnetic base & slide into chamber. Lock by turning 30 degrees clockwise.
- Flush chamber by closing main Xe cylinder valve and opening Xe cell valve. Pump handle will rise. Close cell valve. Push pump handle in, then use finger screw to release xenon.
- Close finger screw. Open main Xe cylinder valve to fill line to cell valve. Close main Xe cylinder valve and open cell valve, close, then push pump handle in. Repeat until about 10 Bar.
- Research suggests maximum loading in 2 mins. Suggest leave 5-10 mins.
- Open finger screw, remove crystal, freeze (with practice can do in 2-3 secs).