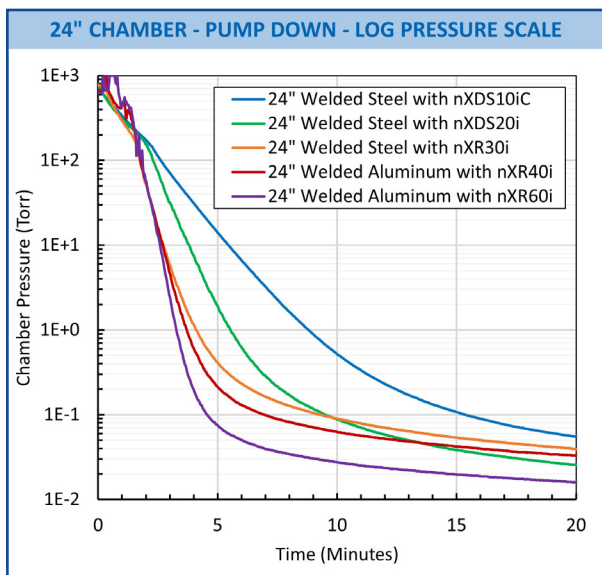
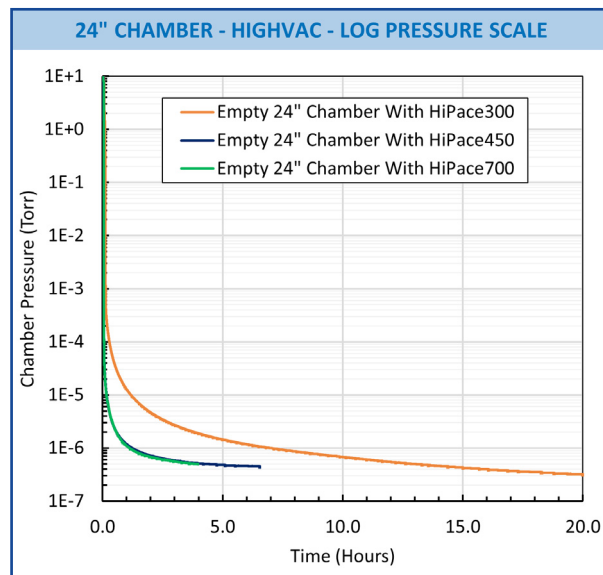


Your ExploraVAC system will include graphs of the actual performance of your specific instrument. The sample graphs provided here are generated from actual test data of various ExploraVac configurations.

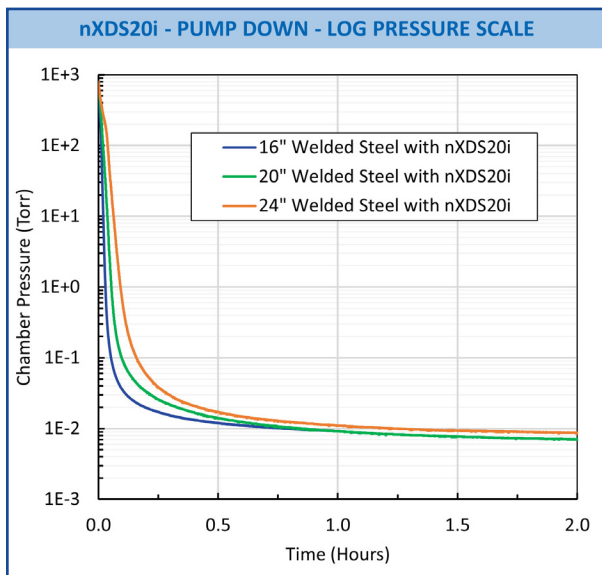
Rough and High Vacuum Pump Down Speed Curves



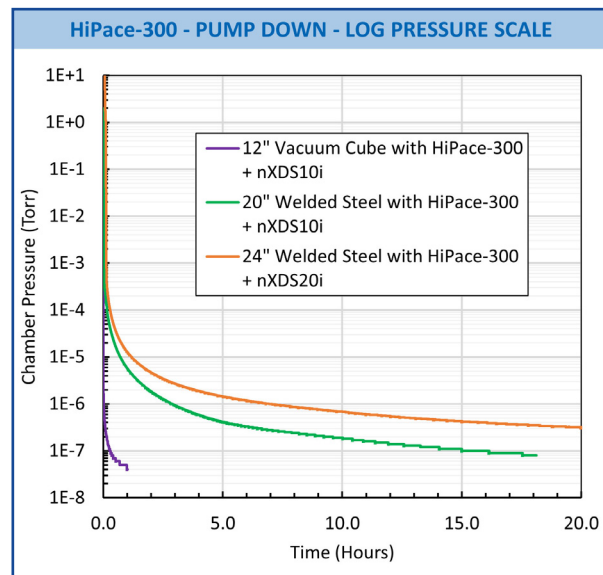
Roughing Pump Down Curves, 24" Chamber, Different nXDS and nXR Dry Pump Sizes, Log Pressure Scale



Turbo Pump Down Curves, 24" Chamber, Different Pfeiffer HiPace Turbo Sizes on Empty Chamber

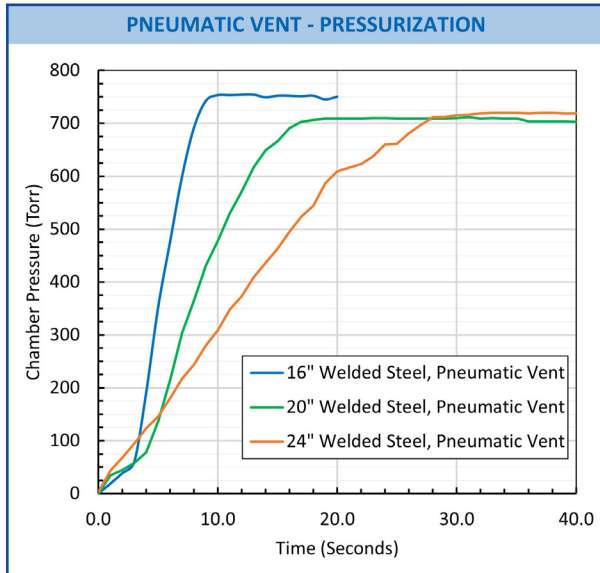


Roughing Pump Down Curves, Various Chamber Sizes, Edwards nXDS20i Dry Scroll Pump, Log Pressure Scale

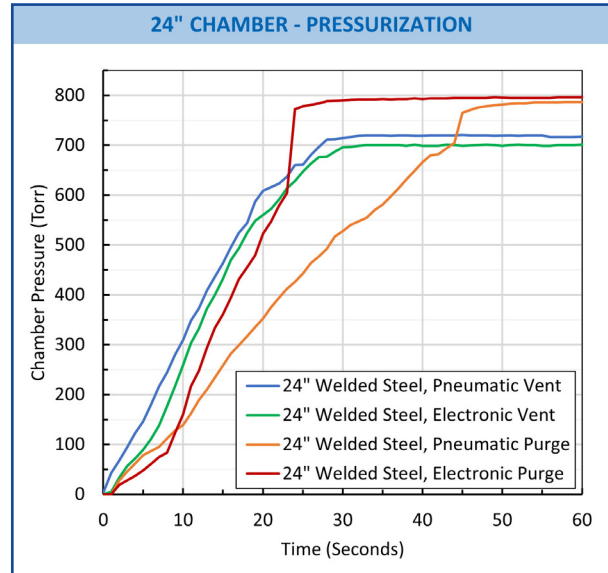


High Vacuum Pump Down Curves, Various Chamber Sizes, Pfeiffer HiPace 300 Turbo Pump, Log Pressure Scale

Vent and Purge Pressurization Speed Curves with Pneumatic and Electronic Valves



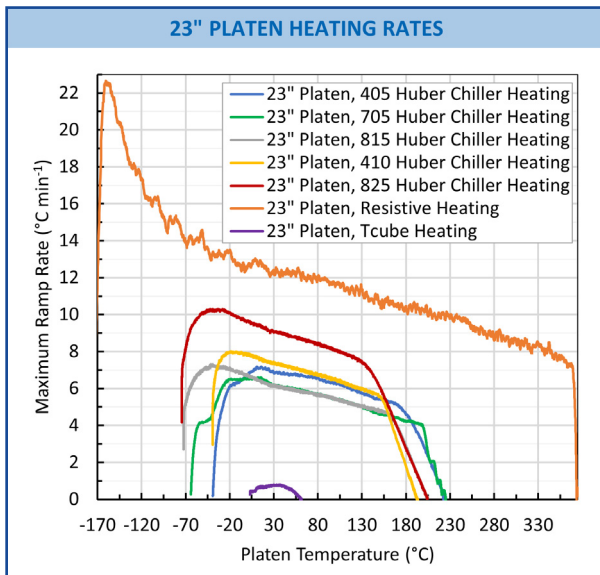
Pressurization Curves from High Vacuum to Ambient Atmosphere, Various Chamber Sizes, Pneumatic Vent Valve



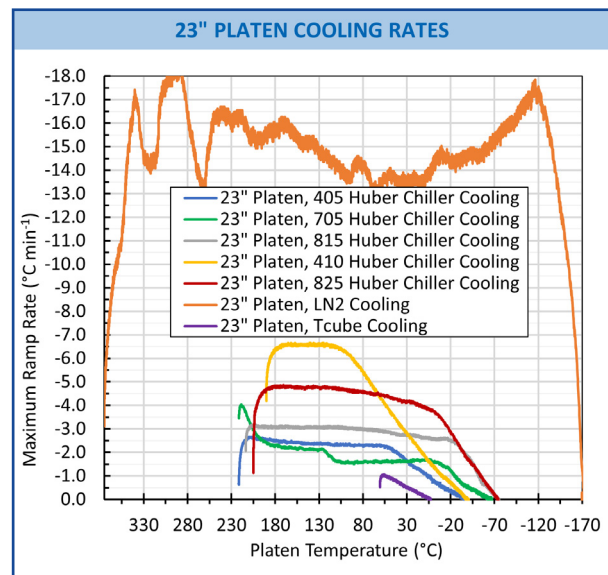
Atmospheric Vent vs. Purge Gas Pressurization Curves from High Vacuum to Ambient Atmosphere, 24" Chamber Size, Pneumatic and Electronic Valves

All Heating and cooling performance data shown in the following graphs was obtained at a system pressure of 20 to 30 mTorr with an unloaded platen in a room with ambient temperature between 20 and 25°C. Maximum heating and cooling ramp rates and ultimate temperatures will be reduced at higher system pressures, higher thermal loads, and higher room temperatures.

Platen Heating and Cooling Maximum Ramp Rate Curves with 23" Platen

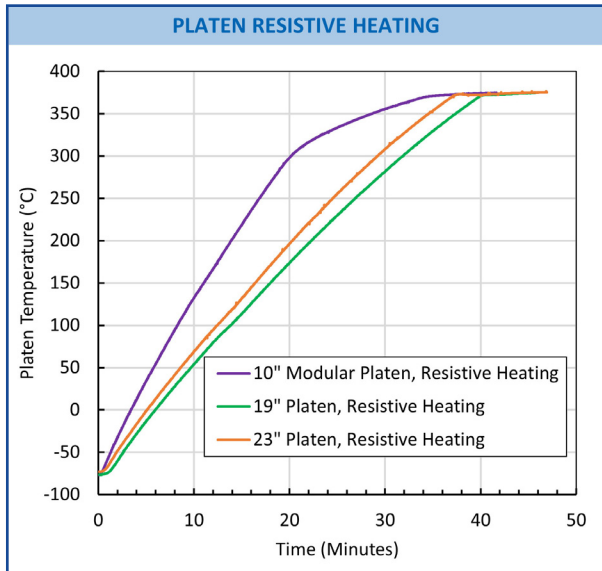


Maximum 23" Platen Heating Ramp Rates of Resistive Heating Elements and Huber Refrigerated Heating Circulator Systems

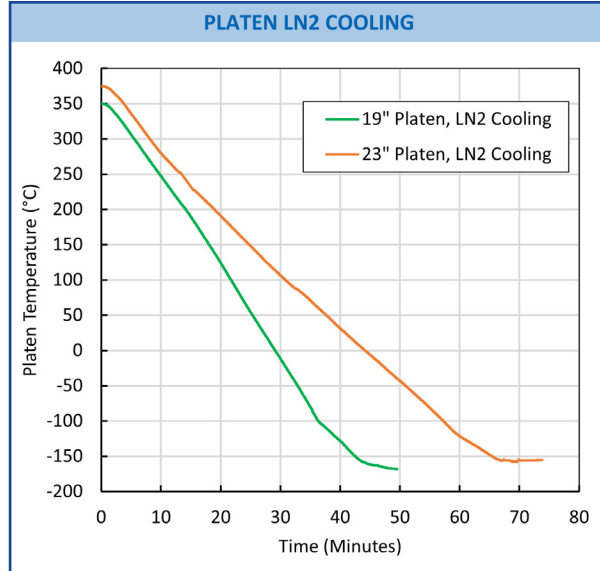


Maximum 23" Platen Cooling Ramp Rates of LN₂, Huber, and Tcube Refrigerated Heating Circulator Systems

Platen Heating and Cooling Speed Curves with LN₂ Cyogenic and Huber Platen Cooling Systems

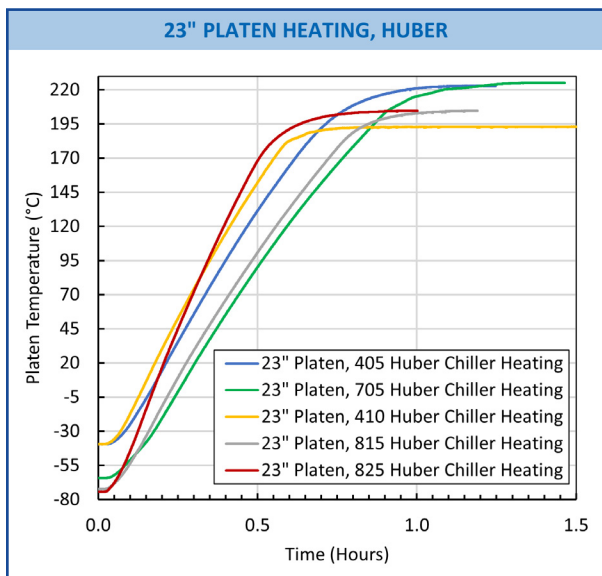


Heating Curves of Platen
from Low Temperature, Various Platen Sizes,
Electrical Heater Cartridge System

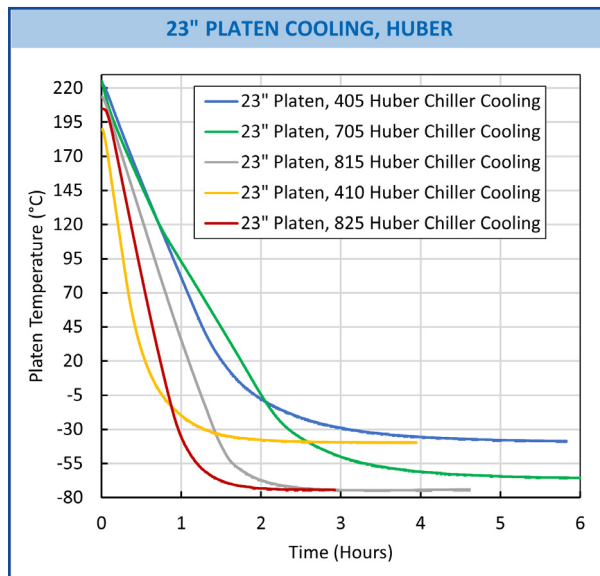


Cooling Curves of Platen
from High Temperature, Various Platen Sizes,
LN₂ Cyogenic System

23" Platen Heating and Cooling Speed Curves of Huber Refrigerated Heating Circulator Systems



23" Platen Heating Curves
with Huber Refrigerated Heating Circulator Systems



23" Platen Cooling Curves
with Huber Refrigerated Heating Circulator Systems