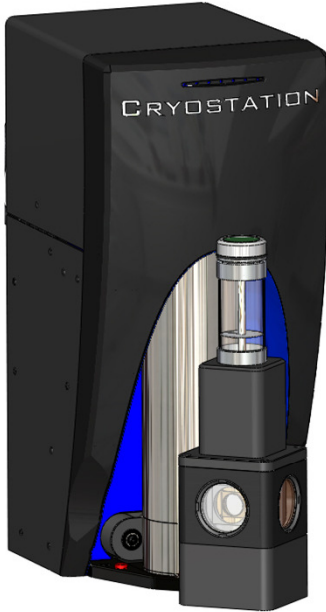
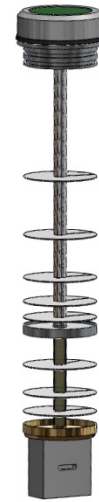


|                                    |         |
|------------------------------------|---------|
| Cryostation Vapor Load-Lock Option | Doc-104 |
|------------------------------------|---------|

## CRYOSTATION WITH VAPOR LOAD-LOCK OPTION

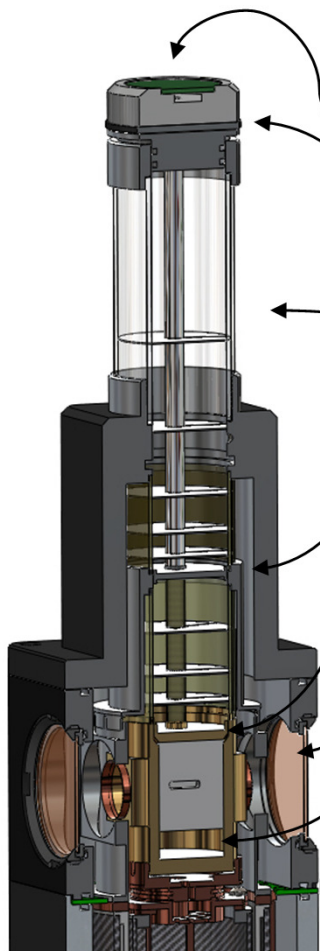


MODULAR  
OPTION SIMPLY  
PLUGS INTO  
CRYOSTATION



SAMPLE ROD W/  
SAMPLE ATTACHED

VAPOR LOAD LOCK  
MODULAR ASSEMBLY



20 ELECTRICAL FEEDTHROUGHS

ADJUSTABLE SAMPLE POSITION  
(ROTATION AND TRANSLATION)

USING LOAD-LOCK FIRST POSITION SAMPLE  
IN VACUUM AREA TO PULL OFF CONTAMINATES

RAPID PRE-COOL STAGE FOR SAMPLE INSERTION

SAMPLE PLATFORM LOCKS INTO POSITION FOR STABILITY  
AND CONDUCTIVE COOLING AS WELL AS GAS COOLING

2" KAPTON WINDOWS WITH RADIATION BLOCKING  
KAPTON COLD WINDOWS (45 DEGREE VIEW ANGLE)

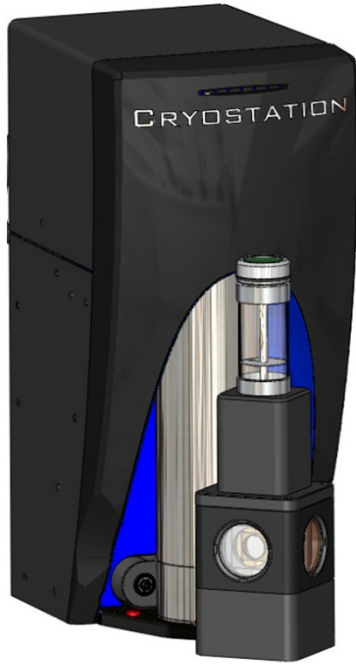
-USER MAY CONTROL PRESSURE OF GAS IN CHAMBER  
OR PULL VACUUM

SAMPLE AREA SIZE: 1.4" DIAMETER BY 1.5" TALL

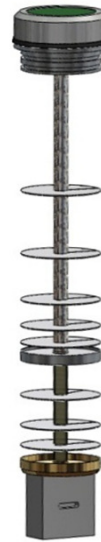
-FINE CONTROL OF SAMPLE TEMPERATURE WITH  
EXISTING CRYOSTATION PID CONTROLS

-SAMPLE THERMOMETER AND HEATER INCLUDED

# CRYOSTATION WITH VAPOR LOAD-LOCK OPTION

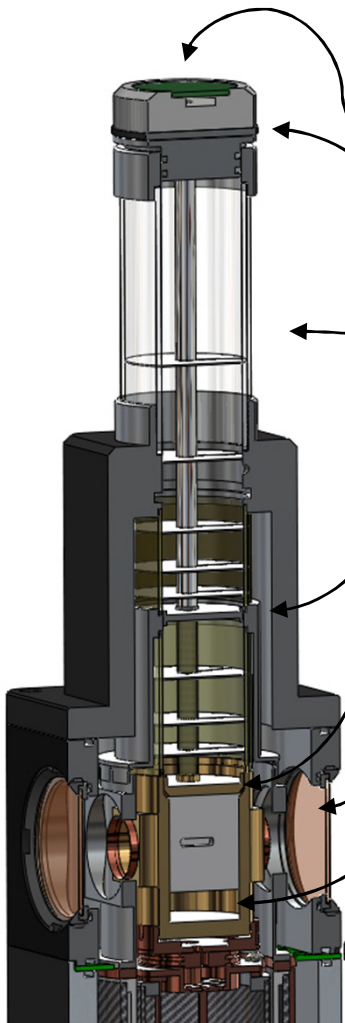


MODULAR  
OPTION SIMPLY  
PLUGS INTO  
CRYOSTATION



VAPOR LOAD LOCK  
MODULAR ASSEMBLY

SAMPLE ROD W/  
SAMPLE ATTACHED



20 ELECTRICAL FEEDTHROUGHS

ADJUSTABLE SAMPLE POSITION  
(ROTATION AND TRANSLATION)

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-SAMPLE THERMOMETER AND HEATER INCLUDED