

Spectrometer Solenoid Pressure Relief Systems

Helium Circuit (cold mass)

Primary relief:

Rockwood Swendeman

Bronze Safety Relief Valve

Type RXSO - ASME Coded

Part #: 710NEGH-A020

2.00" orifice, 1.5" inlet, 2" outlet

20 psig set pressure

1 unit used

Secondary relief:

Circle Seal Controls

500 Series pop-off valve

Part #: 532T1-6M-8

Viton O-ring seal

316 stainless steel body

3/4" male pipe threads

8 psig cracking pressure

2 units used

Insulating Vacuum

Relief valve:

Circle Seal Controls

500 Series pop-off valve

Part #: 532T1-8M-.5

Viton O-ring seal

316 stainless steel body

1" male pipe threads

0.5 psig cracking pressure

1 unit used

Burst disk:

MDC Vacuum Products

UHV burst disk

MDC Part #: 420033

Ref #: BDA-275-ASME

2.75" Del-Seal flange

9 to 11.5 psig pressure relief range

316 Stainless steel body and disk membrane

1 unit used