

AGS VACUUM SEALS

J. C. Schuchman

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Collider Accelerator Department
Brookhaven National Laboratory

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Accelerator Department
 BROOKHAVEN NATIONAL LABORATORY
 Associated Universities, Inc.
 Upton, L.I., N.Y.

AGS DIVISION TECHNICAL NOTE

No. 30

J.C. Schuchman
 February 2, 1967

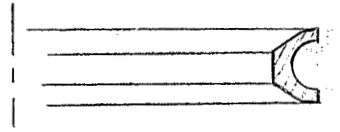
AGS VACUUM SEALS

The following metal vacuum seals are presently installed in the AGS as shown below:

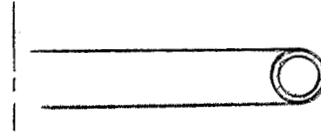
<u>Quantity & Description</u>	<u>Location</u>	<u>Mating Flanges</u>
(1) Lo-Load 8 1/2" I.D.	E-17 Upstream,	Standard Chamber to Port-Box
(1) Lo-Load "	E-16 "	Standard Chamber to 5ft Chamber
(1) Lo-Load 2 1/4" I.D.	E-17 Ion Gauge	Brass to S/S
(1) Lo-Load "	E-17 Moss Spec,	S/S to aluminum
(1) O-Ring 8 1/2" I.D.	E-12 Upstream,	Standard chamber to Bellows
(1) O-Ring "	E-19 "	" " "
* (1) O-Ring "	F-6 Downstream,	" " "
* (1) O-Ring "	F-9 Upstream,	" " "
(1) C-Ring 8 1/2" I.D.	E-13 Downstream,	Standard chamber to Port-Box
(1) C-Ring "	E-14 Upstream,	" " to 5' Chamber
(1) C-Ring "	E-15 "	" " to Bellows
(1) C-Ring "	E-15 Downstream,	" " to 5' Chamber
(1) C-Ring "	E-18 Upstream,	" " to "
(1) C-Ring "	E-20 "	" " to Bellows

* These two seals were installed on Nov. 30th, all others Feb. 1st.

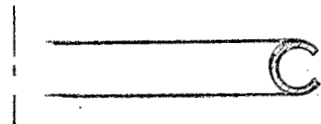
Lo-Load Seal



O-Ring Seal



C-Ring Seal



For on the spot identification the edges of the flanges were marked with colored ink pencils to identify the type of metal gasket used.

Blue for Lo-Load seal

Green " O-Ring seal

Yellow " C-Ring seal

A more complete report of the AGS metal seal status and development will follow.

Distribution:

- V. Buchanan
- R. Dryden
- C. Gould
- J. Grisolia
- D. Hooper
- C. Lasky
- A. Maschke
- I. Polk
- A. van Steenberg