

## AGS VACUUM SEALS

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Collider Accelerator Department  
**Brookhaven National Laboratory**

**U.S. Department of Energy**

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AGS DIVISION TECHNICAL NOTE

No. 30

J.C. Schuchman  
February 2, 1967

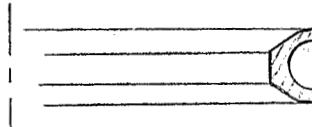
AGS VACUUM SEALS

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

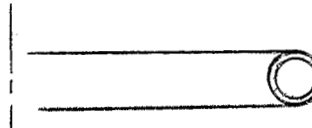
<u>Quantity &amp; Description</u>	<u>Location</u>	<u>Mating Flanges</u>
(1) Lo-Load 8 1/2" I.D.	E-17 Upstream,	Standard Chamber to Port-Box
(1) Lo-Load "	E-16 "	Standard Chamber to 5ft Chamber
(1) Lo-Load 2 1/4" I.D.	E-17 Ion Gauge	Brass to S/S
(1) Lo-Load "	E-17 Moss Spec,	S/S to aluminum
(1) O-Ring 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.

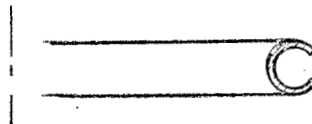
Lo-Load Seal



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.

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