



BNL-104451-2014-TECH

AGS/AD/Tech Note No. 10;BNL-104451-2014-IR

# SURVEY OF AVAILABLE BELLOWS SEALED VACUUM VALVES

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February 1966

Collider Accelerator Department  
**Brookhaven National Laboratory**

**U.S. Department of Energy**

USDOE Office of Science (SC)

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## Accelerator Department

BROOKHAVEN NATIONAL LABORATORY  
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## AGS DIVISION TECHNICAL NOTE

No. 10J.C. Schuchman  
February 3, 1966SURVEY OF AVAILABLE BELLOWS SEALED VACUUM VALVESI. Gate Valves (all metal) Bellows Sealed, S/S

<u>Mfg.</u>	<u>Nom. Size</u>	<u>Seal Material</u>		<u>Price</u>	
		<u>Bonnet</u>	<u>Seat</u>	<u>Manual</u>	<u>Automatic</u>
Vacuum Eng'rg Co.	1"	Alum.	OFHC Cu	\$995/1145	--
	2	O-Ring	or Lead	\$1825/2075	--
	4	"		\$3500/3850	plus
	6	"		\$4985/5360	\$3000/3500
	12	"		\$12,900/13,380	--
High Voltage Eng'rg	4	Gold	OFHC Cu	\$3600	--
	6	"	"	\$7660	--
Arco	2	--	--	--	\$1875
	4	--	--	--	~ \$2500
	6	--	Gold	--	\$6400
Whittaker Corp.	4	Alum.	OFHC Cu	--	\$3750
	6	foil	"	--	\$5800
	12	"	"	--	\$10,000

II. Gate Valves (Elastomer Seal) Bellows Sealed, S/S

Whittaker Corp.	2	Alum.	Viton	\$690	--
	3	foil	"	\$765	--
	5	"	"	\$895	--
	6	"	"	\$1590	--
	12	"	"	\$2995	--

II. Gate Valves (Elastomer Seal) Bellows Sealed, S/S

<u>Mfg.</u>	<u>Nom. Size</u>	<u>Seal Material</u>		<u>Price</u>	
		<u>Bonnet</u>	<u>Seat</u>	<u>Manual</u>	<u>Automatic</u>
CHA	2	Viton	Viton	\$745	\$ 745
	4	"	"	930	930
	6	"	"	1240	1282
	10	"	"	2160	2160
Varian	4	"	"	1250	--
	6	"	"	1250	--
Ultek	6	"	"	975	1500

III. Angle Valves, Bellows Sealed, S/S

Granville Phillips Co.	4	Welded	OFHC Cu	\$2443	--
	6	"	"	3280	--
West'hse Electric Corp.	4	Viton	Viton	625	--
	6	"	"	928	--
Varian	1½	Cu	Cu	375	--
	2½	"	"	850	--
	4	"	"	1950	--
	1	Viton	Viton	235	--
	1½	"	"	275	--
	2½	"	"	550	--
	4	"	"	750	--
	6	"	"	950	--
Ultek	1	Cu	Viton	195	--
	2	"	"	345	--
	3	"	"	495	--

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