

SURVEY OF AVAILABLE BELLOWS SEALED VACUUM VALVES

J. C. Schuchman

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
Associated Universities, Inc.

AGS DIVISION TECHNICAL NOTE

No. 10

J.C. Schuchman
February 3, 1966

SURVEY OF AVAILABLE BELLOWS SEALED VACUUM VALVES

I. 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 | -- |

JCS/hm
2/3/66

Distribution: J.P. Blewett, V. Buchanan, R. Dryden, C. Flatau, C. Gould,
G.K. Green, J. Grisoli, D. Hooper, C. Lasky, I. Polk,
A. van Steenbergen