

| PARTS LIST |                |   |
|------------|----------------|---|
| ITEM       | DESCRIPTION    | MATERIAL                                  |
| 1          | BODY           | HASTELLOY C276 (ASTM A 494, GRADE CW12MW) |
| 2          | SEAT*          | HASTELLOY C276 (ASTM A 494, GRADE CW12MW) |
| 3          | DISC           | HASTELLOY C276 (ASTM A 494, GRADE CW12MW) |
| 4          | SPRING         | INCONEL X-750                             |
| 5          | SPRING PLATE   | STAINLESS STEEL (ASTM A 182, GRADE F-316) |
| 6          | THRUST WASHER  | STAINLESS STEEL (ASTM A 182, GRADE F-316) |
| 7          | HINGE PIN      | STAINLESS STEEL (ASTM A 182, GRADE F-316) |
| 8          | STOP PING      | STAINLESS STEEL (ASTM A 182, GRADE F-316) |
| 9          | LOCATING PIECE | STAINLESS STEEL (ASTM A 182, GRADE F-316) |
| 10         | LIFTING LUG    | CARBON STEEL                              |
| 11         | SCREW          | STAINLESS STEEL (316)                     |

DRAWING NO.  
AL 101320

\*Other Seat Materials Available in Metal (Same as Disc), 316LSS Overlay, and 410SS Overlay.

| PRODUCT NUMBER    | SIZE  | DIMENSIONS |        |          |         | WEIGHT |
|-------------------|-------|------------|--------|----------|---------|--------|
|                   |       | A          | B      | C*       | D       |        |
| 2DD4R-HC-HC2IX    | 2     | 4-3/8      | 2-3/8  | 1-15/16  | -       | 7      |
| 21/2DD4R-HC-HC2IX | 2-1/2 | 5-1/8      | 2-5/8  | 2-11/32  | -       | 11     |
| 3DD4R-HC-HC2IX    | 3     | 5-7/8      | 2-7/8  | 2-29/32  | 1/4     | 15     |
| 4DD4R-HC-HC2IX    | 4     | 7-1/8      | 2-7/8  | 3-53/64  | 5/8     | 18     |
| 5DD4R-HC-HC2IX    | 5     | 8-1/2      | 3-3/8  | 4-13/16  | 7/8     | 35     |
| 6DD4R-HC-HC2IX    | 6     | 9-7/8      | 3-7/8  | 5-49/64  | 1-3/8   | 45     |
| 8DD4R-HC-HC2IX    | 8     | 12-1/8     | 5      | 7-5/8    | 2-1/8   | 82     |
| 10DD4R-HC-HC2IX   | 10    | 14-1/4     | 5-3/4  | 9-9/16   | 2-3/4   | 125    |
| 12DD4R-HC-HC2IX   | 12    | 16-5/8     | 7-1/8  | 11-3/8   | 3-1/4   | 200    |
| 14DD4R-HC-HC2IX   | 14    | 19-1/8     | 8-3/4  | 12-1/2   | 3-3/16  | 325    |
| 16DD4R-HC-HC2IX   | 16    | 21-1/4     | 9-1/8  | 14-5/16  | 4-1/8   | 415    |
| 18DD4R-HC-HC2IX   | 18    | 23-1/2     | 10-3/8 | 16-7/8   | 4-13/16 | 555    |
| 20DD4R-HC-HC2IX   | 20    | 25-3/4     | 11-1/2 | 17-15/16 | 5-5/8   | 725    |
| 24DD4R-HC-HC2IX   | 24    | 30-1/2     | 12-1/2 | 21-9/16  | 7-1/16  | 1100   |
| 30DD4R-HC-HC2IX   | 30    | 37-1/2     | 14-1/2 | 28-3/4   | 9-1/16  | 2050   |
| 36DD4R-HC-HC2IX   | 36    | 44         | 19     | 35       | 11-3/16 | 3573   |
| 42DD4R-HC-HC2IX   | 42    | 45-7/8     | 22-3/8 | 41       | 14-3/4  | 4723   |
| 48DD4R-HC-HC2IX   | 48    | 52-1/8     | 24-3/4 | 47       | 16-1/2  | 6090   |


\*Minimum companion flange bore.

Sizes 30" and larger fit **Series A** flanges.

†See "Style DD Product Number Configuration" for additional options.

| BODY PRESSURE & TEMPERATURE RATINGS - NON SHOCK |        |                 |
|---|--------|-----------------|
| NOM. RATING                                     | MEDIA  | 2" to 48"       |
| 300# (WAFER)                                    | W.O.G. | 720 PSI @ 100°F |

- APPLICABLE STANDARDS**
- Design ASME B16.5, B16.34
  - Conform to API 594 & 6D
  - Testing API 598
  - MSS SP - 6
  - MSS SP - 25
  - MSS SP - 55

|   |          |                           |
|---|----------|---------------------------|
|  |          | DRAWING NO.<br>AL 101320  |
|   |          | PART NO.<br>DD4R-HC-HC2IX |
| 3400 CLEVELAND SKOKIE ILLINOIS  |          | SCALE: NTS                |
| DIMENSIONAL ASSEMBLY  |          | DATE: 07/01/2011          |
| 300# Retainerless Wafer Body  |          | DR. BY DSF                |
| Double Disc Check Valve   |          |                           |
| MAT'L: Cast Hastelloy C276  | REQ. --- |                           |