

**SPECIFICATIONS OF NON-RETURN VALVE FOR HYDROCHLORIC ACID HANDLING**

Liquid Handled : 33% of HCL  
 Specific gravity of Liquid : 1.15-1.20  
 PH : <1

**Valve type & MOC:**

Type : Two piece design full bore lined Ball type lift check valve  
 Design Temperature : 100 Deg C  
 Design Pressure : 10 KG/Sq.CM  
 Installation position : Vertical  
 Body : FEP lined A216 WCB  
 Solid Ball : PTFE  
 Gasket : PTFE  
 PFA lining thickness : 3 to 5MM  
 Bolts & Nuts : A193GRB7/A194 GR 2H  
 Flanged ends : ANSI 150# drilled to B16.5

**Make:** Weir BDK/Deplon/Khimji/Aquaflow

| Sl. No. | Material code   | Material Description                                                                     | Unit code | Stock in hand | Dues | Consumption rate | Item cat | Quantity required |
|---------|-----------------|------------------------------------------------------------------------------------------|-----------|---------------|------|------------------|----------|-------------------|
| 1       | 300 024 091 796 | Non return valve as per above mentioned specifications for HCL Handling<br>Size : 1 1/2" | 01        |               |      |                  |          | 04                |
| 2       | 300 024 091 797 | ----do----but size 2"                                                                    | 01        |               |      |                  |          | 08                |
| 3.      | 300 024 091 798 | ----do----but size 2 1/2 "                                                               | 01        |               |      |                  |          | 10                |
| 4.      | 300 024 091 799 | ----do----but size 3"                                                                    | 01        |               |      |                  |          | 06                |