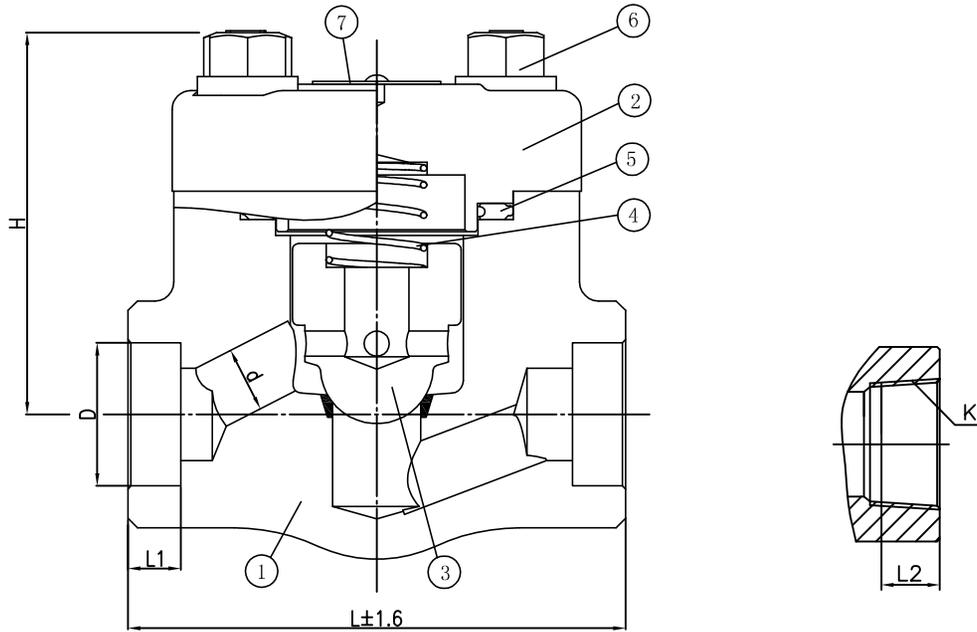


# Class 800 BB Ball Check Valve A105N (API Trim 8) NACE



## BILL OF MATERIALS

| ITEM | PART NAME   | MATERIAL        | QTY |
|------|-------------|-----------------|-----|
| 1    | BODY        | A105N + HF      | 1   |
| 2    | COVER       | A105N           | 1   |
| 3    | BALL DISC   | A276-420        | 1   |
| 4    | SPRING      | 304 SS          | 1   |
| 5    | GASKET      | F304+Graphite   | 1   |
| 6    | BONNET BOLT | A193-B7M        | 4   |
| 7    | NAME PLATE  | STAINLESS STEEL | 1   |

| VALVE SIZE |        | L   | d   | D     | L1 | H   | K      | L2    |
|------------|--------|-----|-----|-------|----|-----|--------|-------|
| DN         | IN     |     |     |       |    |     |        |       |
| 15         | 1/2"   | 79  | Ø10 | Ø21.8 | 10 | 62  | 1/2"   | Ø15.5 |
| 20         | 3/4"   | 92  | Ø13 | Ø27.2 | 13 | 63  | 3/4"   | Ø16.5 |
| 25         | 1"     | 111 | Ø18 | Ø33.9 | 13 | 78  | 1"     | Ø19.5 |
| 32         | 1 1/4" | 120 | Ø23 | Ø42.7 | 13 | 82  | 1 1/4" | Ø21   |
| 40         | 1 1/2" | 152 | Ø29 | Ø48.8 | 13 | 102 | 1 1/2" | Ø21   |
| 50         | 2"     | 172 | Ø36 | Ø61.2 | 16 | 172 | 2"     | Ø23   |

| NO. | DATE | DESCRIPTION | PRP'D | REV'D | APP'D | MARKING SYSTEM | MSS-SP-25 | INSPECTION & TEST: API 598 |
|-----|------|-------------|-------|-------|-------|----------------|-----------|----------------------------|
|     |      |             |       |       |       | FACE TO FACE   | API 602   | SHELL HYDRO 2975PSI        |
|     |      |             |       |       |       | WALL THICKNESS | BS1868    | SEAT AIR 80PSI             |
|     |      |             |       |       |       | DESIGNED       | API 602   | BACK SEAT HYDRO 2175PSI    |
|     |      |             |       |       |       |                |           | NACE MR 0175               |

**WILLIAM E.**



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**TITLE: FORGED STEEL BOLTED BONNET BALL CHECK VALVE - CLASS 800 - API TRIM 8**

|                        |                |   |
|------------------------|----------------|---|
| MATERIAL: A105N        |                | UNITS: Inch, mm   |
| CLASS: 800             | DATE: 01/01/12 | SCALE: N.T.S.   |
| SIZE: 1/2 - 2"         |                | FIG. No.:<br>F801BTXS-2N (sw. by thr. ends)<br>F801BSW-2N (sw. ends)<br>F801BT-2N (thr. ends) |
| DRAWN BY: F.J.         |                |   |
| CHK'D & APR'D BY: R.P. | REV: 1         | DWG No.: 50BC120271   |