



**Rating / Size :**

Class 150 – DN50 to DN600 (2" to 24")

Class 300 – DN50 to DN600 (2" to 24")

Class 600 - DN50 to DN300 (2" to 12")

Class 900 - DN50 to DN300 (2" to 12")

Class 1500 – DN50 to DN150 (2" to 6")

Class 2500 – DN50 to DN100 (2" to 4")

**Standards**

Design Standard : API 600, BS 1868, ASME B 16.34

Face to Face : ASME B 16.10

Flange Drilling : ASME B 16.5, EN 1092, ASME B 16.25, ASME B 16.11, JIS B-2220

Testing : API-598

End Connection : F.F., R.F., RTJ, Buttweld, Socket weld, Screwed NPTF

**Materials**

Shell Materials : ASTM A216 Gr. WCB, ASTM A216 Gr. WCC, ASTM A217 Gr. WC1, ASTM A217 Gr. WC4, ASTM A217 Gr. WC5, ASTM A217 Gr. WC6, ASTM A217 Gr. WC9, ASTM A217 Gr. C5, ASTM A217 Gr. C12, ASTM A351 Gr. CF3, ASTM A351 Gr. CF8, ASTM A351 Gr. CF3M, ASTM A351 Gr. CF8M, ASTM A351 Gr. CF8C, ASTM A351 Gr. CN7M, ASTM A351 Gr. CD4MCu, ASTM A352 Gr. LCB, ASTM A494 Gr. N-12MV, ASTM A494 Gr. CW - 12MW.

Trim Materials : 410, 304, 316, 304 L, 316 L, 321/347, MONEL, CA-6NM

Trim Materials Cast : ASTM A 217 Gr. CA 15, ASTM A 315 Gr. CF8, ASTM A 351 Gr. CF8M, ASTM A 351 Gr. CF3, ASTM A 351 Gr. CF3M, ASTM A 351 Gr. CF8C, ASTM A 494 Gr. M-35-1, ASTM A 743 Gr. CA6NM

Wrought : ASTM A276 Type 410, ASTM A276 Type 304, ASTM A276 Type 316, ASTM A276 Type 304L, ASTM A276 Type 316L, ASTM A276 Type 321/347, ASTM B164 Type 4400

**Features**

Valves are of Swing Check Type

Fully access at Top End

Back flow capabilities

100% unrestricted flow area

Material certification as per EN 10204-3.1, EN 10204-3.2 (Third Party Inspection) & NACE MR-01-75

Reliable and multipurpose safety devices

Easy maintenance