

**WAFER CHECK VALVE
TECHNICAL SPECIFICATION**

REF.NO.	WCTS0027	04	REV.NO.
DATE	19 MAR 2001		
SHEET	01	OF	02



SECTION A

1. PRODUCT : WAFER CHECK VALVE
2. PRESSURE RATING : PN 40 - SIZES 50 TO 300
: PN 10 - SIZES 350 & ABOVE
3. STANDARDS
- DESIGN : BDK' s STANDARD
- FACE TO FACE : FOR SIZES 50 TO 500 API 6D
: FOR OTHER SIZES, IT IS BASED ON BDK' s DESIGN
- TESTING : API 598
5. PRESSURE TEMPERATURE RATING : a) * PN 40 RATED VALVES (SPRING LOADED)
BETWEEN FLANGES OF PN 6, PN 10, PN 16,
PN 25, PN 40, CLASS 150 & 300
- : b) PN 10 RATED VALVES BETWEEN FLANGES
OF PN 10, PN 16, CLASS 150
- : c) ELASTOMER MAX. TEMPERATURE °C
- | | |
|----------|-----|
| BUNA - N | 90 |
| EPDM | 150 |
| VITON | 200 |

* PRESSURE RATING SHOULD BE REDUCED ACCORDING TO MOUNTING FLANGE RATING.

6. APPLICATION

FOR HANDLING OF LIQUID, VAPOUR, GAS, STEAM AND FLUID IN REFINERIES, PETROCHEMICALS, THERMAL POWER PLANTS AND OTHER PROCESS INDUSTRIES.

PREPARED BY :

APPROVED BY :

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SECTION B

1. VALVE SIZES : 50 TO 300 (SWCV)
: 350 TO 1600 (WCV)

2. TYPES OF END CONNECTION : WAFER TYPE (TO MOUNT BETWEEN UPTO PN 40,
CLASS 150 & 300 FLANGES)

3. BODY & DISC

MATERIAL

SPECIFICATION

SGI

IS:1865 SGI Gr. 400 / 12*

WCB

ASTM A216 Gr. WCB

CF8

ASTM A351 Gr. CF8

CF8M

ASTM A351 Gr. CF8M

CN7M

ASTM A351 Gr. CN7M

* NOT APPLICABLE FOR SWCV (SIZES 50 TO 300mm)

4. HINGE PIN

MATERIALS

SPECIFICATION

410

ASTM A276 TYPE 410

304

ASTM A276 TYPE 304

316

ASTM A276 TYPE 316

CN7M

ASTM A351 Gr. CN7M

5. 'O' RING

BUNA-N, EPDM, VITON

PREPARED BY :

APPROVED BY :