



# Three Piece Sanitary Ball Valve, Tube Bore, Clamp end, ISO 5211 Mounting flange, PN 63/40

**Fig no. V-Z05MTC Tube Bore**  
**1/2"- 4" DN15 ~ DN100**



## Features:

Investment casting body  
Blow-out-proof stem  
In-line Maintenance, ISO 5211 Mounting Flange  
For Hygenic application

## Standard Compliance :

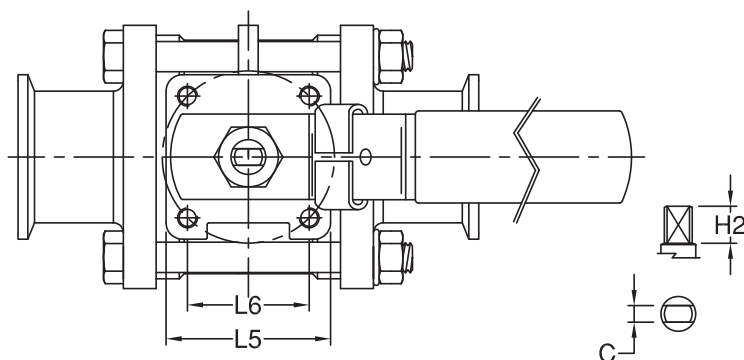
Body wall thickness : ASTM B16.34  
Clamp end : 3A  
Face to face : MD's standard  
Body material : ASTM A351  
Pressure testing : EN 12266/ API 598

## Specification :

End Connection : Clamp end  
Working pressure : 1000 psi ( PN 63 ) for DN8- DN 50  
800 psi ( PN40 ) for DN 65-DN100  
Temperature : -20 ~ 160°C  
Inter finish-polished to SV1

## Options:

1. Non cavity filler seat



## MATERIALS LIST

| NO. | PART NAME     | MATERIAL          |
|-----|---------------|-------------------|
| 1   | BODY          | ASTM A351 Gr.CF8M |
| 4   | BALL          | ASTM A351 Gr.CF8M |
| 5   | STEM          | SS316             |
| 9   | END CAP       | ASTM A351 Gr.CF8M |
| 11  | BODY SEAL     | PTFE.             |
| 12  | SEAT          | PTFE.             |
| 13  | THRUST WASHER | PTFE.             |
| 14  | STEM PACKING  | PTFE.             |
| 16  | GLAND NUT     | SS304             |
| 19  | HANDLE        | SS304             |
| 21  | HANDLE COVER  | PLASTIC           |
| 22  | STEM NUT      | SS304             |
| 23  | STEM WASHER   | SS304             |
| 35  | BODY BOLT     | SS304             |
| 36  | BOLT WASHER   | SS304             |
| 37  | BOLT NUT      | SS304             |

## DIMENSIONS

unit:mm

| SIZE  | PORT   | L    | L5    | L6   | E    | H     | H1    | H2   | H4   | C     | ØD1  | ISO-5211        |
|-------|--------|------|-------|------|------|-------|-------|------|------|-------|------|-----------------|
| DN15  | 1/2"   | 9.5  | 89.0  | 37.0 | 25.5 | 134.0 | 65.0  | 18.0 | 13.0 | 29.0  | 5.0  | 25.5 F03 36.0   |
| DN20  | 3/4"   | 15.9 | 101.0 | 37.0 | 25.5 | 134.0 | 68.0  | 19.0 | 13.0 | 33.0  | 5.0  | 25.5 F03 36.0   |
| DN25  | 1"     | 22.2 | 114.0 | 42.0 | 29.7 | 134.0 | 71.0  | 19.5 | 14.0 | 37.5  | 6.5  | 50.4 F04 42.0   |
| DN40  | 1-1/2" | 35.0 | 140.0 | 50.0 | 35.4 | 195.0 | 86.0  | 27.5 | 17.5 | 48.5  | 8.5  | 50.4 F05 50.0   |
| DN50  | 2"     | 47.6 | 156.0 | 50.0 | 35.4 | 195.0 | 93.0  | 25.5 | 17.5 | 58.5  | 8.5  | 63.6 F05 50.0   |
| DN65  | 2-1/2" | 60.2 | 197.0 | 72.0 | 49.5 | 262.0 | 140.0 | 37.0 | 27.5 | 79.5  | 12.0 | 77.5 F07 70.0   |
| DN80  | 3"     | 73.0 | 229.0 | 72.0 | 49.5 | 262.0 | 155.0 | 42.0 | 27.5 | 83.5  | 12.0 | 90.8 F07 70.0   |
| DN100 | 4"     | 97.4 | 241.0 | 95.0 | 72.1 | 290.0 | 180.0 | 49.5 | 35.5 | 110.5 | 16.0 | 118.5 F10 102.0 |