

# ConVey

Fire Safe  
API 607 4<sup>th</sup> Edition  
Certified



## HIGH PERFORMANCE FLANGED BALL VALVE

### DESIGN ADVANTAGES

- MOUNTING PAD TO DIN 3337 / ISO 5211 WITH CENTER RING
- EXTRA HIGH CYCLE LIFE  
Mars maintenance free live loaded double sealing high cycle stem packing system provides extra longer service life.
- ANTI-STATIC DEVICE  
Standard applied between stem and body, stem and ball
- BLOW OUT PROOF STEM
- FIRE TESTED PER API 607 4<sup>th</sup> EDITION
- INVESTMENT CAST BODY CONSTRUCTION

### APPLICATIONS

Chemical, Petrochemical, Oil and Gas production, Refining, Pulp & Paper, Food industry and others.

### SPECIFICATIONS

Construction : Two-Piece Body, Full Bore  
Size : 1/2" to 4" ( DN 15 to DN 100 )  
Body : CF8M, WCB / DIN 1.4408, 1.0619  
Ball and Stem : 316 S.S.  
Seat : Reinforced PTFE

### STANDARDS

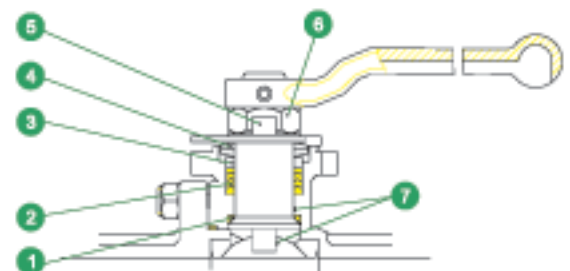
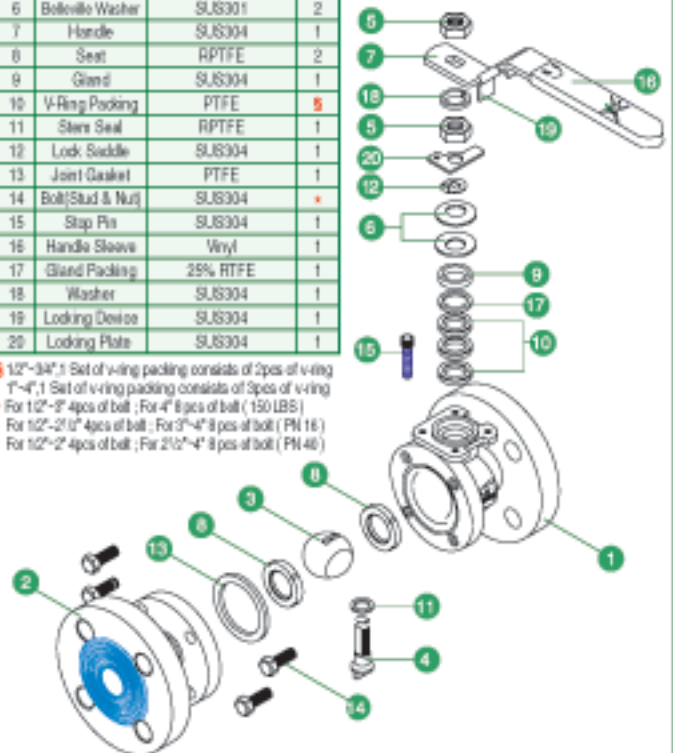
Design : ANSI B16.34, BS5351, DIN 3337  
Face to face : ANSI B16.10, DIN 3202 F1, F4 / F5  
Flange dimensions : ANSI B16.5  
DIN 2632/2633 & DIN 2634/2635  
Pipeline valves : API 6D  
Pressure testing : API 598  
Fire testing : API 607 4<sup>th</sup> Edition, BS5351  
Mounting pad : ISO 5211  
Marking system for valves : MSS SP-25  
Material Certification : EN 10204 / DIN 50.049-3.1B  
Quality Assurance : ISO 9001

### VALVE RATING AND FIG. NO.:

FIG. 90-10 ANSI CLASS 150#  
FIG. 90-20 ANSI CLASS 300#  
FIG. 90-30 DIN PN 10/16 ( DIN 3202 F1 )  
FIG. 90-40 DIN PN 10/16 ( DIN 3202 F4/F5 )  
FIG. 90-50 DIN PN 25/40 ( DIN 3202 F1 )  
FIG. 90-60 DIN PN 25/40 ( DIN 3202 F4/F5 )

NO.	PART NAME	MATERIAL	QTY
1	Body	ASTM A351 Gr. CF8M	1
2	End Cap	ASTM A351 Gr. CF8M	1
3	Ball	SL6316	1
4	Stem	SL6316	1
5	Stem Nut	SL6304	2
6	Belleville Washer	SL6301	2
7	Handle	SL6304	1
8	Seat	RPTFE	2
9	Gland	SL6304	1
10	V-Ring Packing	PTFE	5
11	Stem Seal	RPTFE	1
12	Lock Saddle	SL6304	1
13	Joint Gasket	PTFE	1
14	Bolt(Stud & Nut)	SL6304	1
15	Stop Pin	SL6304	1
16	Handle Sleeve	Wvyl	1
17	Gland Packing	25% RTFE	1
18	Washer	SL6304	1
19	Locking Device	SL6304	1
20	Locking Plate	SL6304	1

● 12"-34" : Set of v-ring packing consists of 2pcs of v-ring  
7"-4" : Set of v-ring packing consists of 3pcs of v-ring  
● For 12"-2" 4pcs of ball ; For 4" 8 pcs of ball ( 150 LBS )  
For 12"-2" 1/2" 4pcs of ball ; For 3"-4" 8 pcs of ball ( PN 16 )  
For 12"-2" 4pcs of ball ; For 2 1/2"-4" 8 pcs of ball ( PN 46 )



## MAINTENANCE FREE LIVE LOADED DOUBLE SEALING HIGH CYCLE STEM DESIGN PROVIDES OPTIMUM SEALS

### 1. PYRAMIDAL STEM WITH STEM SEAL

First stage of defense against leakage. The 45 degree slope of the stem accompany by the stem seal effectively blocks all leak path from forming during rotation.

### 2. V-RING STEM PACKING

Second stage of defense against leakage. Triple layers of V-Ring Chevron packing expands side ways as it is being compressed, blocking all air pockets thus preventing leak path. The grinding effect of metal to PTFE contact.

### 3. GLAND

Made of stainless steel, equally distributes the compressive force on the packing and the seal.

### 4. BELLEVILLE WASHER

Release stored compressive energy for automatic compensation of seals due to wear and tear fluctuation of temperature and pressure.

### 5. LOCK SADDLE

Stabilizes the stem nut to keep it from loosening.

### 6. STEM NUT

Compress the entire stem system to enable blocking of leakage.

### 7. ANTI-STATIC DEVICE

Standard applied between stem and ball, stem and body.