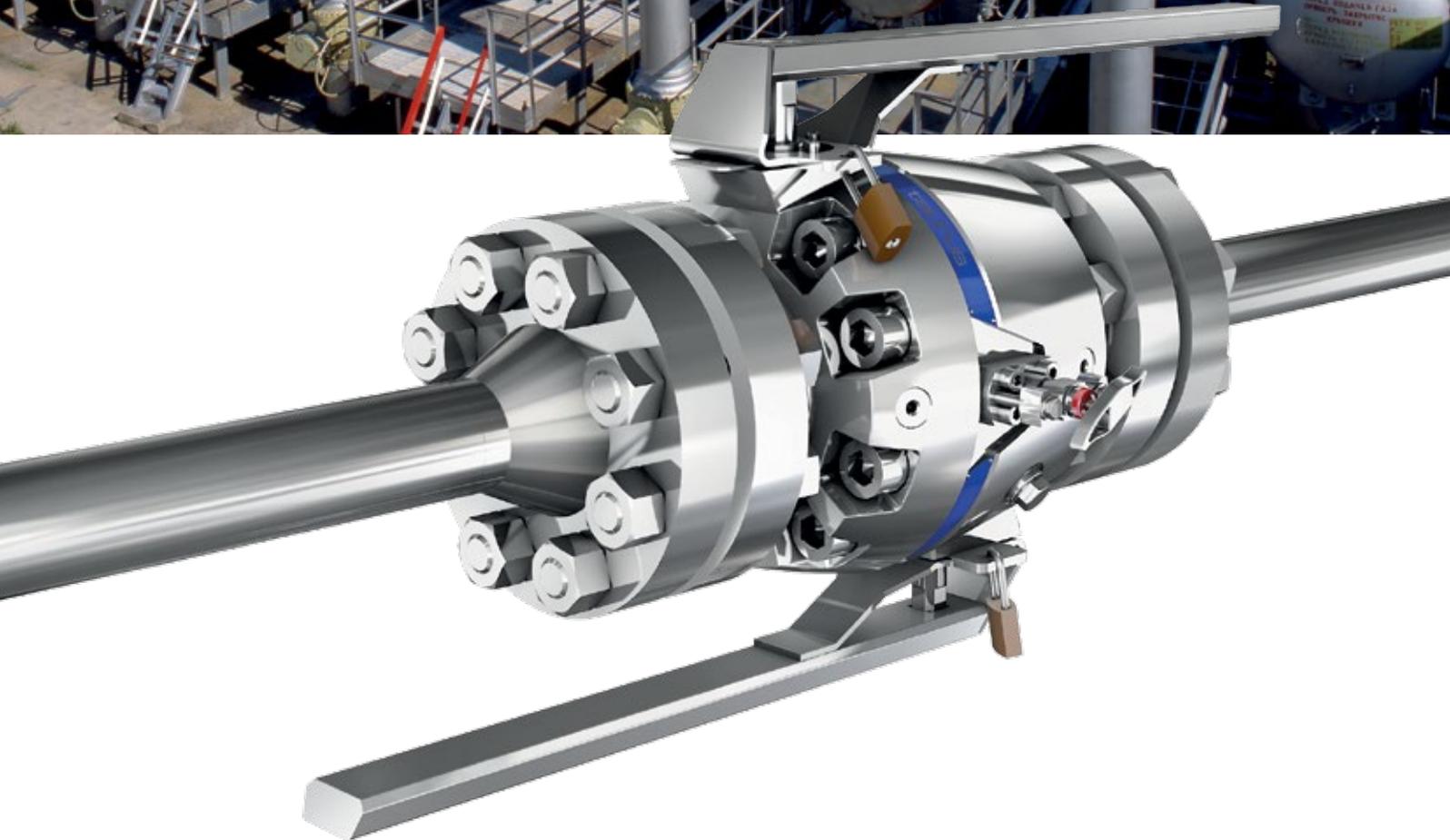


Double Block & Bleed Pipeline Ball Valves

Taurus Series



General Features

Features

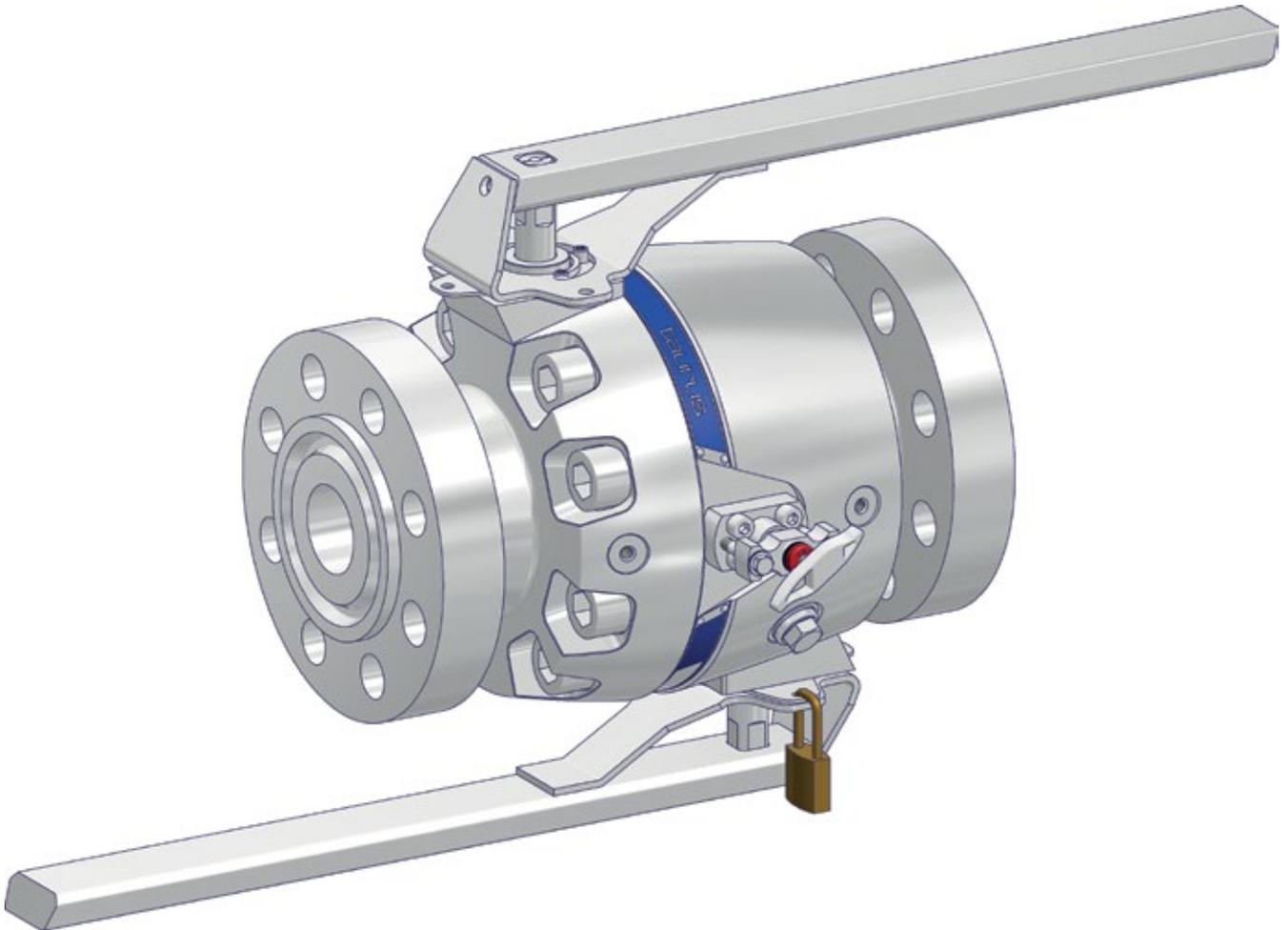
- DESIGNED IN ACCORDANCE WITH INDUSTRY STANDARDS
i.e. ASME B16.34, ASME B31.3, ASME B16.5, API 6D / ISO 14313
- FULL BORE OR REDUCED BORE
- STANDARD MATERIALS OF CONSTRUCTION
are forged Carbon Steel LF2, Stainless Steel 316 and Duplex.
- PRESSURE CLASS 150 TO 2,500
- FIRE SAFE IN ACCORDANCE TO API 607 AND ISO 10497
- COMPLIANT TO NACE MR0175 AND ISO 15156
- FACTORY TESTED
in accordance with ASME B16.34, API 6D / ISO 14313, ISO 5208
- MANUFACTURED IN ACCORDANCE WITH THE PRESSURE EQUIPMENT DIRECTIVE
- BALL SEAT MATERIAL
PTFE, Devlon, PEEK or Metal Seated
- STEM SEAL MATERIAL
FKM, HNBR - RGD resistant (RGD = Rapid Gas Decompression) or Graphite
- ANTI-BLOWOUT STEM DESIGN AND ANTI-STATIC DESIGN
- WELD INLAY
Seat pocket and seal area overlay on request.
- BI-DIRECTIONAL
The Taurus Series floating and trunnion ball valves are bi-directional as standard.
- PAINTING
The valves can be supplied with any kind of adequate coatings for environmental protection, according to customers specifications.
- CERTIFICATION AND TRACEABILITY
Material test certificates 3.1 according to EN 10204. A unique code is stamped on all relevant components linking them with their material and chemical analysis certificates.

Manufactured according to the following Codes and Specifications

- ASME B31.3 Process Piping
- ASME B16.34 Valves – Flanged, Threaded and Welding End
- ASME B16.5 Pipe Flanges and Flanged Fittings
- ASME B16.10 Face-to-Face and End-to-End Dimensions of Valves
- ASME B16.11 Forged Fittings, Socket Welding and Threaded
- ASME B16.25 Buttwelding Ends
- NACE MR0175/ ISO 15156 Petroleum and Natural Gas Industries – Materials for use in H₂S-containing Environments in Oil and Gas Production
- API 6D/ ISO 14313 Specification for Pipeline Valves
Petroleum and Natural Gas Industries – Pipeline Transportation Systems – Pipeline Valves
- API 598 Valve Inspection and Testing
- ISO 5208 Industrial Valves – Pressure Testing of Metallic Valves
- API 607/ ISO 10497 Fire Test for Soft-Seated Quarter Turn Valves
Testing of Valves. Fire Type-testing Requirements
- MSS SP-25 Standard Marking System for Valves, Fittings, Flanges, and Unions

YOUR BENEFITS:

- Compact Assembly
- Reduced Weight
- Reduced Leak Paths
- Reduced Installation and Maintenance Costs
- Significant Space Savings



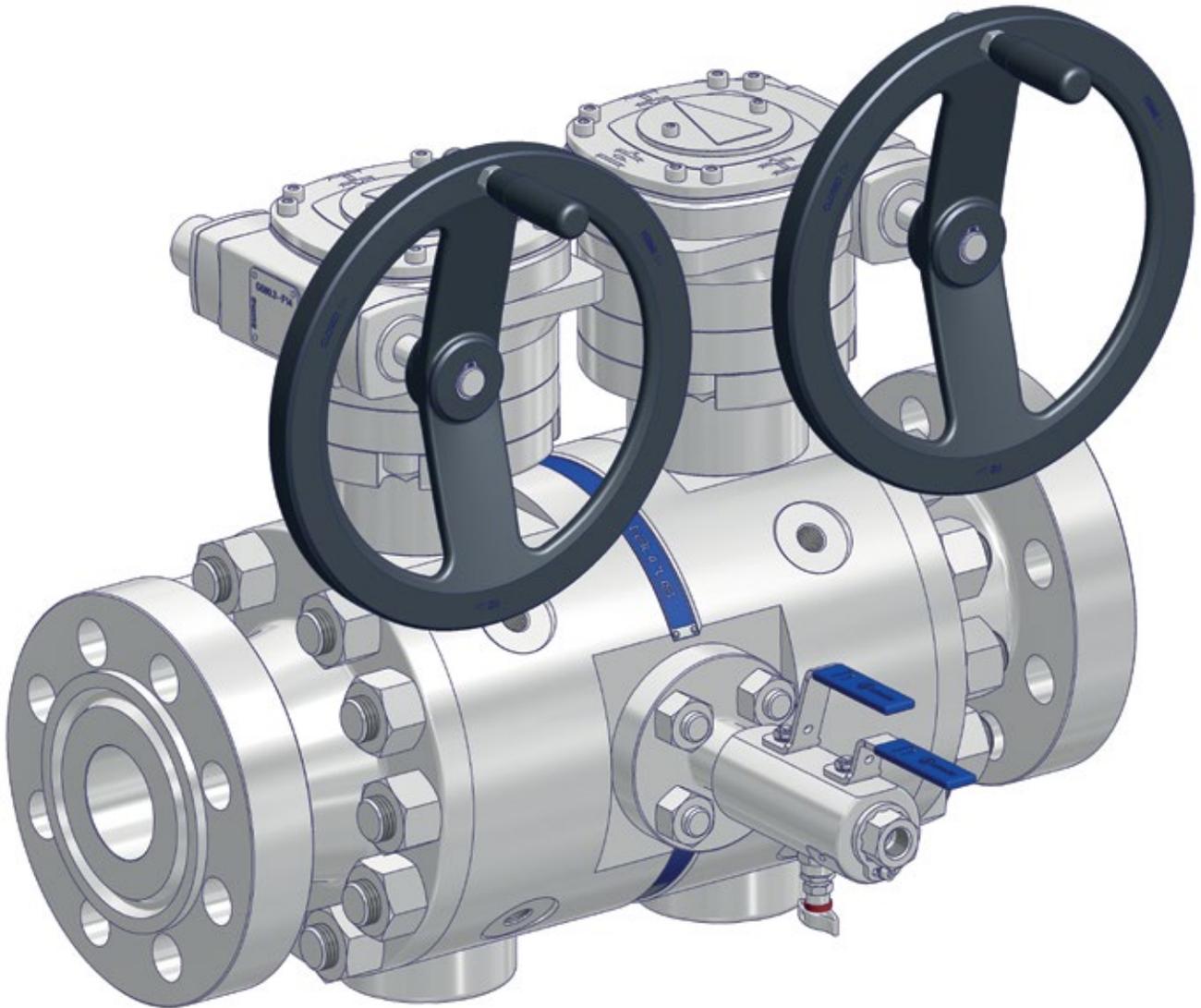
BASICALLY WE OFFER 2 DIFFERENT DESIGNS:

- 2 Piece Design
- 3 Piece Design
- Both Flanged Style and Side Entry

2 Piece Design, Flanged Style - Features

- Bore Size 1" through 2"
- Acc. to ASME B16.10 Standard Length
 - Floating Ball Design Class 600, 900 & 1,500
 - Trunnion Ball Design Class 900, 1,500
- Non Standard Length for Class 150 & 300 and also for Trunnion Ball Design Class 600
- Flanged Connections acc. to ASME B16.5
- Floating Ball Design and Trunnion Ball Design
- Vent: Integral Needle Valve
- Lockable Handle/Lever - removable, Gear Box Operation available. Actuator mounting flanges, unless otherwise specified, are in full accordance with ISO 5211.
- Forged Body

3 Piece Design, Flanged Style



3 Piece Design, Flanged Style - Features

- Bore Size 1" through 6"
- Non Standard Length face to face dimensions
- Flanged Connections acc. to ASME B16.5
- Floating Ball Design and Trunnion Ball Design
- Vent: Integral Needle Valve or Double Block & Bleed Option by VariAS-Block or Monoflange available
- Handle lockable and removable, Gear Box Operation as Standard. Actuator mounting flanges, unless otherwise specified, are in full accordance with ISO 5211.
- Forged Body

Ordering Information

Ordering Information

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
		T	D	3	D	L	-	2	F	C	2	F	C	-	Y	0	0	1	
T	Taurus																		
Bore Size																			
Trunnion Ball Design		Floating Ball Design																	
A	1" F 3" J 5"	1	1"	3	3"														
D	2" H 4" K 6"	2	2"																
Design																			
2	2 Piece Design																		
3	3 Piece Design																		
Type / Configuration																			
D	Double Block & Bleed / 2 Ball Isolates, Needle Vent (Integral Valve alt. Flanged Monoflange)																		
E	Double Block & Bleed / 2 Ball Isolates, Ball Vent (Flanged Ball Valve or Double Block & Bleed Valve)																		
B	Block & Bleed / Ball, Needle Vent (Integral Valve alt. Flanged Monoflange)																		
C	Block & Bleed / Ball, Ball Vent (Flanged Ball Valve or Double Block & Bleed Valve)																		
Body Material																			
C	A 105	D	Super Duplex UNS S32750																
L	Carbon Steel LF2	V	Alloy 625 UNS N06625																
S	1.4404 / 1.4401 / 316 / 316L	1	Alloy 825 UNS N08825																
F	Duplex UNS S31803																		
Inlet Connection																			
Flange Size and Flange Type																			
1F	1" RF 2T 2" RTJ 4F 4" RF 6T 6" RTJ																		
1T	1" RTJ 3F 3" RF 4T 4" RTJ																		
2F	2" RF 3T 3" RTJ 6F 6" RF																		
Flange Class																			
A	150 D 900																		
B	300 E 1,500																		
C	600 F 2,500																		
Outlet Connection																			
Flange Size and Flange Type																			
1F	1" RF 2T 2" RTJ 4F 4" RF 6T 6" RTJ																		
1T	1" RTJ 3F 3" RF 4T 4" RTJ																		
2F	2" RF 3T 3" RTJ 6F 6" RF																		
Flange Class																			
A	150 D 900																		
B	300 E 1,500																		
C	600 F 2,500																		
Vent Connection																			
N	Integral Vent Valve – Needle Type, Screwed Bonnet																		
Y	Integral Vent Valve – Needle Type, Flanged Bonnet (OS&Y)																		
B	Flanged Vent Valve – Ball Valve																		
V	Flanged Double Block & Bleed Valve (VariAS-Block)																		
M	Flanged Monoflange																		
Followed by a Sequential Number																			
Features and Options to be specified respectively are available																			
Bore	Trim Material	Stem Seal	Weld Inlay																
Full Bore	Carbon Steel Trim	FKM O-Ring	316 Weld Inlay																
Reduced Bore	Stainless Steel Trim Duplex Trim	HNBR O-Ring	625 Weld Inlay																
Operation	Ball Seat Material	Trim Material	General Options																
Actuated	Carbon Filled PTFE	Carbon Steel Trim	NACE Specification																
Gear Operated	Devlon	Stainless Steel Trim	Fire Safe																
Lever Operated	PEEK	Duplex Trim	Blind Flange on Vent																
Lockable Handle/Lever	Metal Seated																		
Anti-Tamper Vent Valve																			



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