

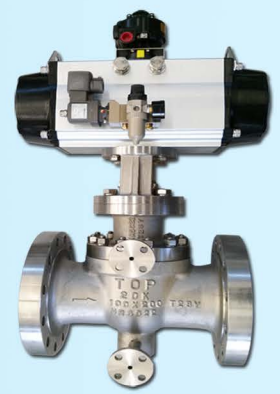
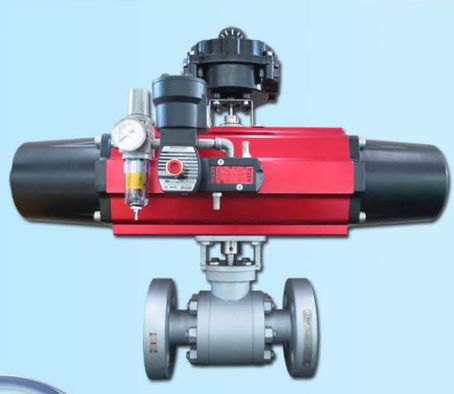


# Fluid Control Product



BUREAU VERITAS

All kinds of special valve  
Metal seat ball valve & Cryogenic ball valve.  
[www.topvalves.co.kr](http://www.topvalves.co.kr)



**TOP VALVE CO.,LTD.**

# TOP VALVE is..

## COMPANY PROFILE



### HEAD QUARTER AND FACTORY

<b>Address</b>	5-1, Dongbuk-ro 1135beon-gil, Sangdong-myeon, Gimhae-si, Gyongsangnam-do, Korea
<b>Tel</b>	82-55-323-6800
<b>Fax</b>	82-55-323-2002
<b>E-mail</b>	Sales Dep't / topvalve@topvalves.co.kr
<b>Homepage</b>	<a href="http://www.topvalves.co.kr">http://www.topvalves.co.kr</a>

## COMPANY HISTORY

July.25, 1993	Established Asia Special Valve Co.
Aug, 1993	Metal Seat Ball Valve the beginning localization reclamation
Sep, 1993	Started exporting INDIAMESIAN Ball Valve
Nov, 1993	Company registration The Korea Water Resources Development Corporation
Oct, 1994	LG Chem is the development of delivery(Full Jacketed Metal Seat Ball Valve)
Dec, 1994	Started exporting Japan Haruta Gate Valve
Mar, 1995	Renamed Top Valve & Moved to Sasang-Gu, Busan
May, 1995	Started exporting Pakistan Strainer
Aug, 1996	Started exporting Gate Valve (Canada Velan Valve)
Nov, 1997	LG Construction is the development of delivery
Dec, 1997	Korea District Heating Corporation, supplies strainer
July, 1998	Taeon thermal power plant supplies strainer
July, 1998	Hadong thermal power plant supplies strainer
Feb, 1999	Moved to Gimhae-city, Gyeongnam
Feb, 1999	Company registration The LG Electronics (Development of an underwater motor pump parts)
Aug, 1999	Patent Registration valve housing pipe connection (No:0168535)
Sep, 1999	Patent Registration Strainer(Y, Bucket, T, Duplex type) (No:0170452)
Sep, 1999	High temperature and high pressure Metal Seat Ball valves, Patent Registration (No:0179852)
Sep, 1999	Protection type valve side glass valves, Patent Registration (No:0170282)
Sep, 1999	Patent Registration Screw Bonnet Valve (No:0170852)
Dec, 2003	Company registration The Kumkang Valve Corp.
Jun, 2004	Moved to Jangyu, Gimhae-city, Gyeongnam
Oct, 2004	Moved to Daejeo-dong, Gangseo-Gu, Busan
Aug, 2008	Purchase a building site for Casting & seting Factory (Jilrye, Sanbon-ri, Gimhae Gyeongnam)
Jun, 2009	Moved to Jinae-dong, Gimhae-city, Gyeongnam
Oct, 2009	Acquired ISO 9001, ISO 14001
Nov, 2009	Company registration - POSCO
Nov, 2009	Approved Gas Valve Manufacture by KGS
Jun, 2010	Company registration - KOLON
Jun, 2010	Moved to Sangdong, Gimhae-city, Gyeongnam
Apr, 2012	Acquired of FIRE SAFETY(PTS)
May, 2012	Acquired of API-6D
Dec, 2012	Established R&D Center
Dec, 2012	Received 1 Million Dollar Export Tower Award on 49th Trade Day
Nov, 2013	Received of SME Quality Award
Dec, 2013	Received 5 Million Dollar Export Tower Award on 50th Trade Day
Apr, 2014	Company registration - NIOC (No : 181955)
Jun, 2014	Acquired of CE 0035
Oct, 2014	Company registration - IOOC (No : 523)
Dec, 2014	Received 10 Million Dollar Export Tower Award on 51th Trade Day
Mar, 2015	Acquired of FIRE SAFETY(BV)
Mar, 2015	Company registration - ICOFC





# Sales Reference

## Year results

DATE	RECEIVER	DESCRIPTION
Nov, 2005	HYUNDAI HEAVY INDUSTRY CO. LTD	300#-4" etc 52 SET
Dec, 2005	SAMSUNG ENG CO. LTD	600#-2" etc 125 SET
Feb, 2006	KOREA F&P CO. LTD	2500#-2" etc 164 SET
Apr, 2006	OCI CO. LTD	150#-400A 3 SET
Aug, 2006	HYUNDAI HEAVY INDUSTRY CO. LTD	1500#-1.1/2" etc 980 SET
Sep, 2006	CHEVRON TEXACO	1500#-1" etc 180 SET
Apr, 2007	MOHO PJT	1500#-2" etc 490 SET
Jul, 2007	OCI CO. LTD	600#-6" etc 320 SET
Nov, 2007	DSME CO. LTD	16K-250A etc 1,752 SET
Jan, 2008	DSME CO. LTD	16K-250A etc 2,100 SET
Sep, 2008	HYUNDAI HEAVY INDUSTRY CO. LTD	300#-3" etc 589 SET
Dec, 2008	STX O&S CO. LTD	16K-50A etc 490 SET
Feb, 2009	HYUNDAI HEAVY INDUSTRY CO. LTD	300#-2" etc 74 SET
Mar, 2009	SOUDI KAYAN PJT	150#-12" etc 195 SET
Oct, 2009	DOOSAN HEAVY INDUSTRY CO. LTD	300#-24" etc 39 SET
Feb, 2010	WOONGJIN POLYSILICON CO. LTD	800#-3/4" etc 132 SET
	TAIPEI-CTCI PRJ	150#-8" etc 287 SET
Aug, 2010	TC GULF PJT	150#-24" etc 319 SET
Sep, 2010	IRAN LNG PJT	150#-6" etc 33 SET
	PT TRACON - NH3 PRJ	150#-16" etc 107 SET
Jan, 2011	BONGKOT PROJECT	150#-2" etc 42 SET
	KASO 210090 PROJECT	900#-6" etc 14 SET
Feb, 2011	RUWAI REFINERY EXPANSION PROJECT	600#-16" etc 1,193 SET
Apr, 2011	SHWE FIELD DEVELOPMENT PROJECT	600#-2" etc 104 SET
Jan, 2012	HYO SUNG PROJECT	20K-150A etc 57 SET
Mar, 2012	DOOSAN HEAVY INDUSTRY CO. LTD	600#-10" etc 6 SET
	HK SILICON PROJECT	150#-4" etc 264 SET
	SOUTH PARS PROJECT	600#-16" etc 11 SET
Apr, 2012	SOUTH PARS 15&16	600#-3" etc 49 SET
	SOUTH PARS 15&16	150#-2" etc 178 SET
May, 2012	SOUTH PARS 13&2224	600#-6"x 4" etc 42 SET
	SOUTH PARS 15&16	150#-2" etc 245 SET
Jun, 2012	SOUTH PARS 13&2224	600#-8" etc 8 SET
	SOUTH PARS 15&16	150#-3" etc 301 SET
Jul, 2012	SOUTH PARS 13&2224	600#-24" etc 12 SET
	SOUTH PARS 15&16	300#-3" etc 83 SET
	SOUTH PARS 13&2224	150#-2" etc 39 SET
Aug, 2012	SOUTH PARS 15&16	150#-26" etc 101 SET
	SOUTH PARS 13&2224	150#-40" etc 102 SET
Sep, 2012	SOUTH PARS 15&16	150#-24" etc 5 SET
	SOUTH PARS 13&2224	150#-40" etc 766 SET
Oct, 2012	SOUTH PARS 13&2224	150#-8" etc 1,999 SET
Nov, 2012	SOUTH PARS 13&2224	150#-4" etc 16 SET
Dec, 2012	SOUTH PARS 13&2224	600#-6" etc 16 SET
Feb, 2013	SOUTH PARS 0014	150#-30" etc 252 SET
Mar, 2013	SOUTH PARS 0014	150#-40" etc 442 SET
May, 2013	EXXON MOBIL	600#-16" etc 118 SET
Jun, 2013	SVT STX DSG PJT	1500#-16" etc 640 SET
Sep, 2013	ZUBAIR OIL FIELD DEVELOPMENT PJT	300#-18" etc 663 SET
Nov, 2013	GS RABIGH II PROJECT	GATE, 150#-3/4" etc 644 SET
Dec, 2013	SVT STX DSG PJT	150#-20" etc 119 SET
Jan, 2014	ZUBAIR OIL FIELD DEVELOPMENT PJT	150#-12" etc 947 SET
Feb, 2014	ZUBAIR OIL FIELD DEVELOPMENT PJT	900#-18" etc 410 SET
Jul, 2014	GS RABIGH II PROJECT	GATE, 150#-3/4" etc 1151
Aug, 2014	ZUBAIR OIL FIELD DEVELOPMENT PJT	150#-12" etc 177 SET
Sep, 2014	BLOCK PM307 BERTAM FIELD DEVELOPMENT PJT	300#-4" etc 60 SET
Oct, 2014	BLOCK PM307 BERTAM FIELD DEVELOPMENT PJT	150#-40A etc 89 SET
Nov, 2014	POSCO SNG PJT	600#-150A etc 28 SET
Nov, 2014	DOOSAN INDUSTRIES&CONSTRUCTION	150#-30" etc 16 SET
Jan, 2015	KALIMANTAN PROJECT	2500#-4" etc 22 SET
Feb, 2015	HWA-SUNG PROJECT	600#-2" etc 56 SET
Mar, 2015	MALAYSIA TNB PROJECT	300#-1.1/2" etc 99 SET
Mar, 2015	DSME-PETRONAS FLOATINA LNG PJT	GATE, 150#-3" etc 138 SET
Apr, 2015	ABUDABI PROJECT	GATE, 150#-2 etc 22 set
May, 2015	GS RABIGH II PROJECT	GATE, 150#-1.1/2" etc 87 set
Jun, 2015	DOOSAN TRIPOLI PROJECT	150#-30" etc 16 set
Jul, 2015	GS RABIGH II PROJECT	GATE, 150#-1.1/2" etc 191 set
Jul, 2015	DSME-AGBAMI PROJECT	150#-1/2" etc 22 set
Jul, 2015	CNOOC YUEDONG LNG TERMINAL PJT	CRYOGENIC 1500#-2" etc 41 set
Aug, 2015	DOOSAN VINH TAN 4 THEMAL POWER PJT	150#-4" etc 11set
Aug, 2015	CNOOC YUEDONG LNG TERMINAL PJT	CRYOGENIC 150#-2" etc 10 set
Aug, 2015	KHNP YANGYANG PSPP PROJECT	METAL BALL 900#-6" 4 set
Aug, 2015	KICT_COLD REGIONS RESOURCE TRANSFER NETWORK	METAL BALL V/V 600#-30" 1 set
Sep, 2015	DAEWOO E&C POCHON CCPP	PNEUMATIC BALL V/V 300#-16"etc 88SET
Oct, 2015	GS RABIGH II PROJECT	GATE, 150#-1.1/2" etc 482 set
Nov, 2015	TAICHUNG LNG PLANT PHII EXPENSION PJT	TOP ENTRY BALL VALVE 300#-6" 2 set
Dec, 2015	1114-JURONG SHIPYARD	3-WAY BALL V/V 150#-6" etc 7 set
Dec, 2015	HYUNDAI OILBANK BTX PROJECT	150#-1.1/2" etc 196 set
Jan, 2016	LOCK WOOD-TH	1-PIECE BALL V/V 300#-8" 13 set
Feb, 2016	LOCK WOOD-TH	300#-4" etc 60 set
Mar, 2016	KHALDA OIL&GAS DEVELOPMENT	600#-4" etc 119 set
Mar, 2016	KHNP YANGYANG PSPP PROJECT	METAL BALL V/V 900#-4" 2 set
Apr, 2016	SC&T UHP METERING PROJECT	300#-24" etc 77 set
Apr, 2016	KARI GROUND FIRING TEST FACILITY OF ENGINE	CRYOGENIC BALL 150#-10" etc 5 set





## ANSI / ASTM / BS / API 6D / API 6A

Product Level	Valve Type	Pressure (Lbs)	Size (NPS)	Product Level	Valve Type	Pressure (Lbs)	Size (NPS)	
<b>SIDE ENTRY</b>	<b>Floating</b>	150 ~ 300	~ 8"	<b>TOP ENTRY</b>	<b>Trunnion</b>	150 ~ 300	~ 48"	
<b>Ball Valve</b>		600	~ 4"	<b>Ball Valve</b>		600	~ 40"	
		900 ~ 1500	~ 2"			900	~ 36"	
		2500	~ 1.1/2"			1500	~ 24"	
	<b>Trunnion</b>	150 ~ 300	~ 60"		2500	~ 12"		
600		~ 48"	<b>TOP ENTRY</b>	<b>Trunnion</b>	150 ~ 300	~ 48"		
900		~ 36"	<b>Metal Seated Ball Valve</b>		600	~ 40"		
1500		~ 24"			900	~ 36"		
2500	~ 12"	1500			~ 24"			
<b>CRYOGENIC</b>	<b>Floating</b>	150 ~ 300		~ 6"	<b>3-WAY</b>	<b>Split Body</b>	150 ~ 300	~ 24"
		600	~ 4"	600			~ 16"	
		900 ~ 1500	~ 2"	900			~ 12"	
		2500	~ 1.1/2"	1500			~ 12"	
<b>Ball Valve (Side-entry)</b>	<b>Trunnion</b>	150 ~ 300	~ 48"	<b>DBB VALVE</b>	<b>Floating</b>	150 ~ 600	~ 24"	
		600	~ 40"			900	~ 24"	
		900	~ 36"			<b>Trunnion</b>	1500	~ 12"
		1500	~ 24"				2500	~ 12"
<b>METAL SEAT</b>	<b>Floating</b>	150 ~ 300	~ 6"	<b>STRAINER</b>	<b>Y-TYPE BUCKET T-TYPE DUPLEX</b>	150 ~ 300	~ 56"	
		600	~ 4"					
		900 ~ 1500	~ 2"					
		2500	~ 1.1/2"					
<b>Ball Valve (Side-entry)</b>	<b>Trunnion</b>	150 ~ 300	~ 48"	◆ NOTE. 1. Face to face : ASME B16.10 2. End flange dimension : ASME B16.5 3. Design pressure : ASME B16.34 / BS5351 4. Fire safe : API 6FA 5. General test : API 598 (Observe customer specification)				
		600	~ 48"					
		900	~ 36"					
		1500	~ 24"					
2500	~ 12"							
<b>JACKETED</b>	<b>Uni-Body</b>	150 ~ 300	~ 10"					
<b>Ball Valve</b>	<b>Split-Body</b>	150 ~ 600	~ 48"					

All valves are available for pneumatic and MOV operation.

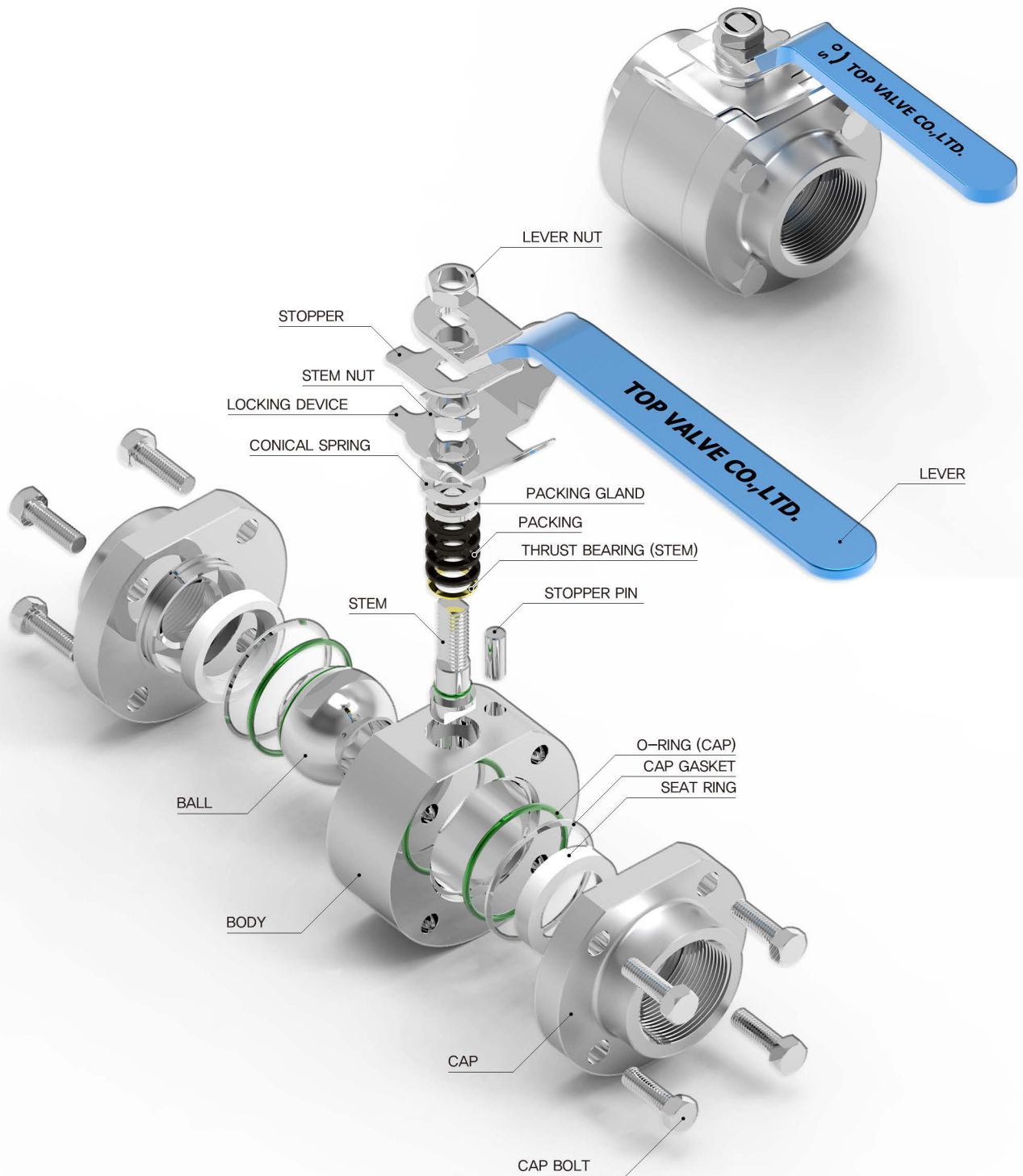
## Capacity

Assembly Capacity	5000 Pcs / TOP STD 150#-4" / month	US \$ 3.0 Milion / month
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http://www.topvalves.co.kr

# Floating Ball Valve Range

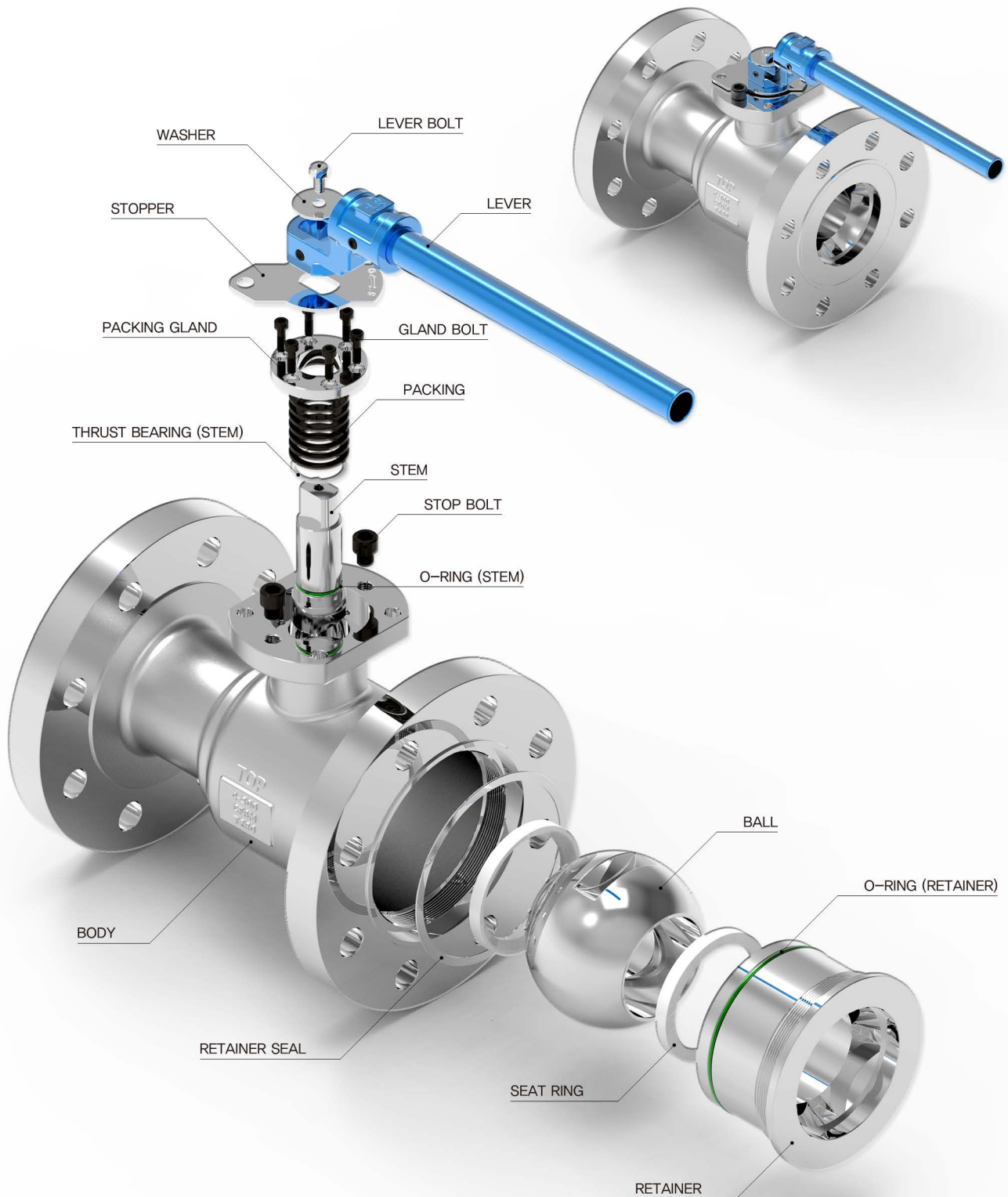
## Split Body (3-Piece) Forged Ball Valve



Ball Type	End Connection	Port	Class	Size
Forged Body	ASME B 1.20.1 (Screwed)	Reduced	150 / 2500	1/2" ~ 2"
	ASME B 16.11 (Socket Weld)	Full	150 / 2500	1/2" ~ 2"
Face to Face	TOP VALVE STANDARD			
Pressure Test	API 598 / API 6D			

# Floating Ball Valve Range

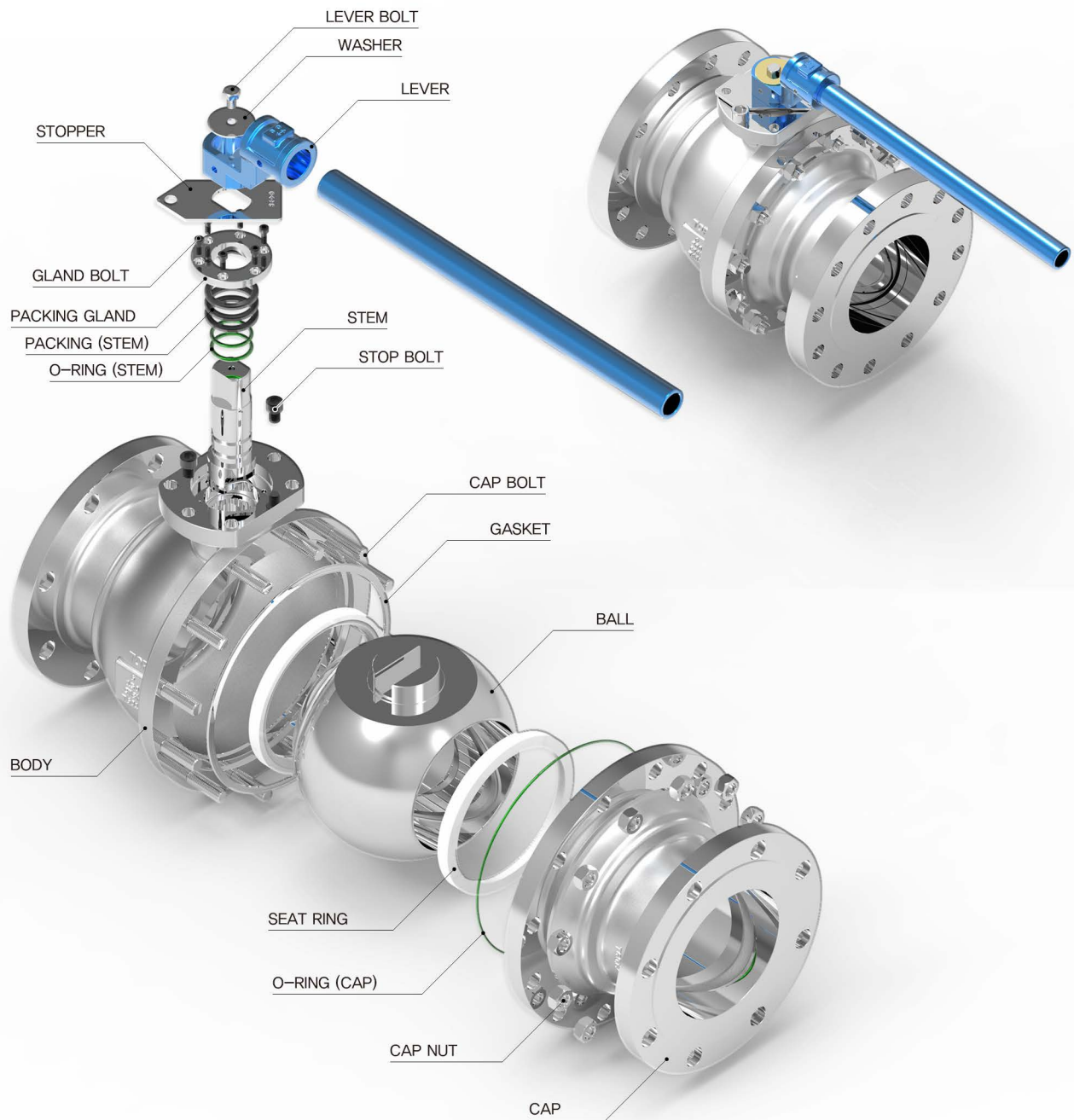
## Uni Body (1-Piece) Floating Ball Valve



Ball Type	End Connection	Port	Class	Size
Uni Body (1-Piece)	ASME B16.5	Reduced	150 / 300	1/2" ~ 10"
Face to Face	ASME B16.10 / API 6D (Short Pattern)			
Pressure Test	API 598 / API 6D			

# Floating Ball Valve Range

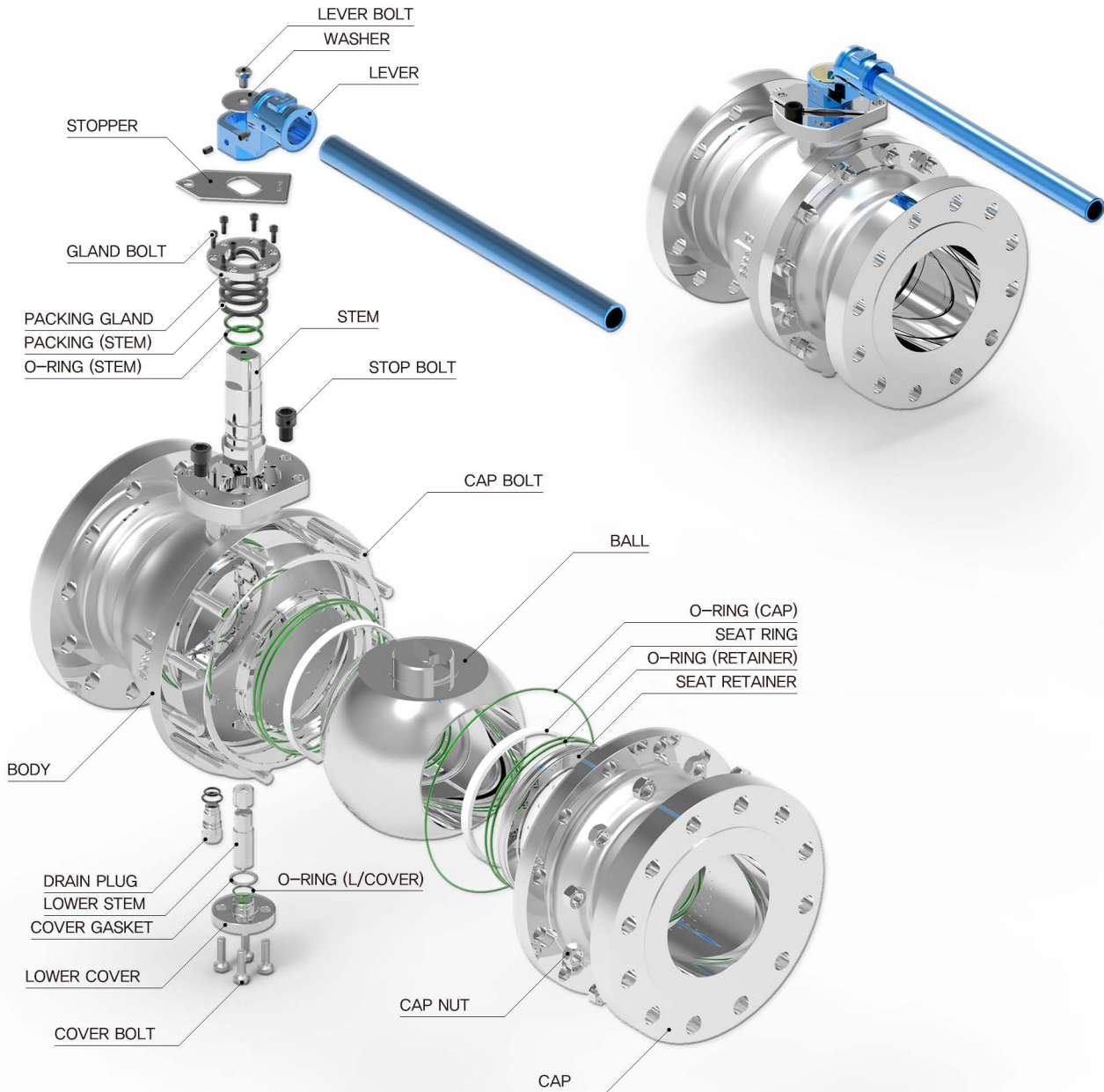
## Split Body (2-Piece) Floating Ball Valve



Ball Type	End Connection	Port	Class	Size
Split Body (2-Piece)	ASME B16.5 (Flanged)	Reduced	150	1/2" ~ 10"
			300	1/2" ~ 10"
			600	1/2" ~ 4"
	ASME B16.25 (Butt Weld)	Full	150	1/2" ~ 8"
			300	1/2" ~ 8"
			600	1/2" ~ 4"
Face to Face	ASME B16.10 / API 6D			
Pressure Test	API 598 / API 6D			

# Trunnion Ball Valve Range

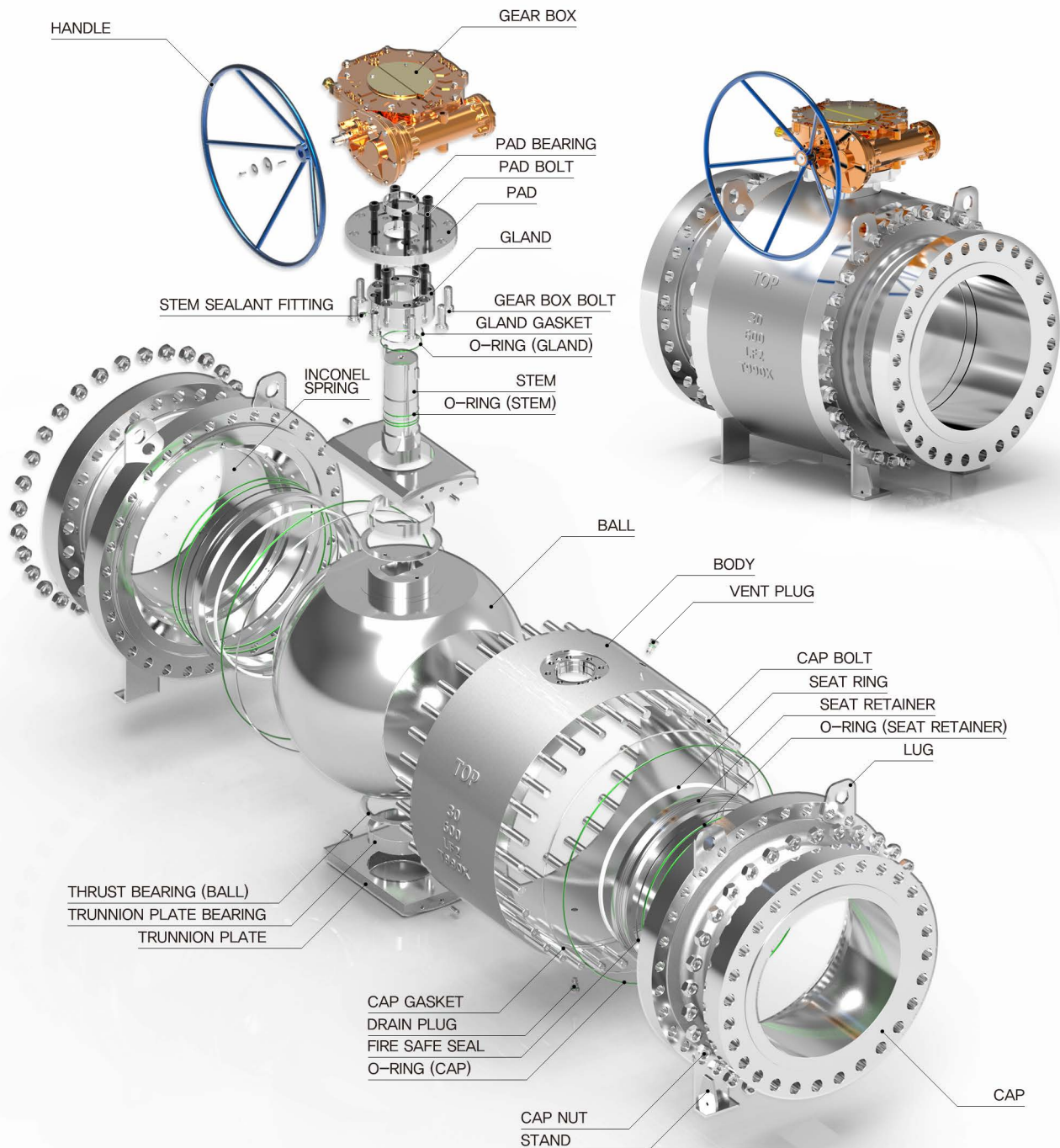
## Split Body (2-Piece) Trunnion Ball Valve



Ball Type	End Connection	Port	Class	Size
Split Body (2-Piece)	ASME B16.5 (Flanged)	Reduced	150	1.1/2" ~ 24"
			300	1.1/2" ~ 24"
			600	1.1/2" ~ 16"
			900	1.1/2" ~ 12"
			1500	1.1/2" ~ 8"
	ASME B16.25 (Butt Weld)	Full	150	1.1/2" ~ 24"
			300	1.1/2" ~ 24"
			600	1.1/2" ~ 16"
			900	1.1/2" ~ 12"
			1500	1.1/2" ~ 8"
Face to Face	ASME B16.10 / API 6D			
Pressure Test	API 598 / API 6D			

# Trunnion Ball Valve Range

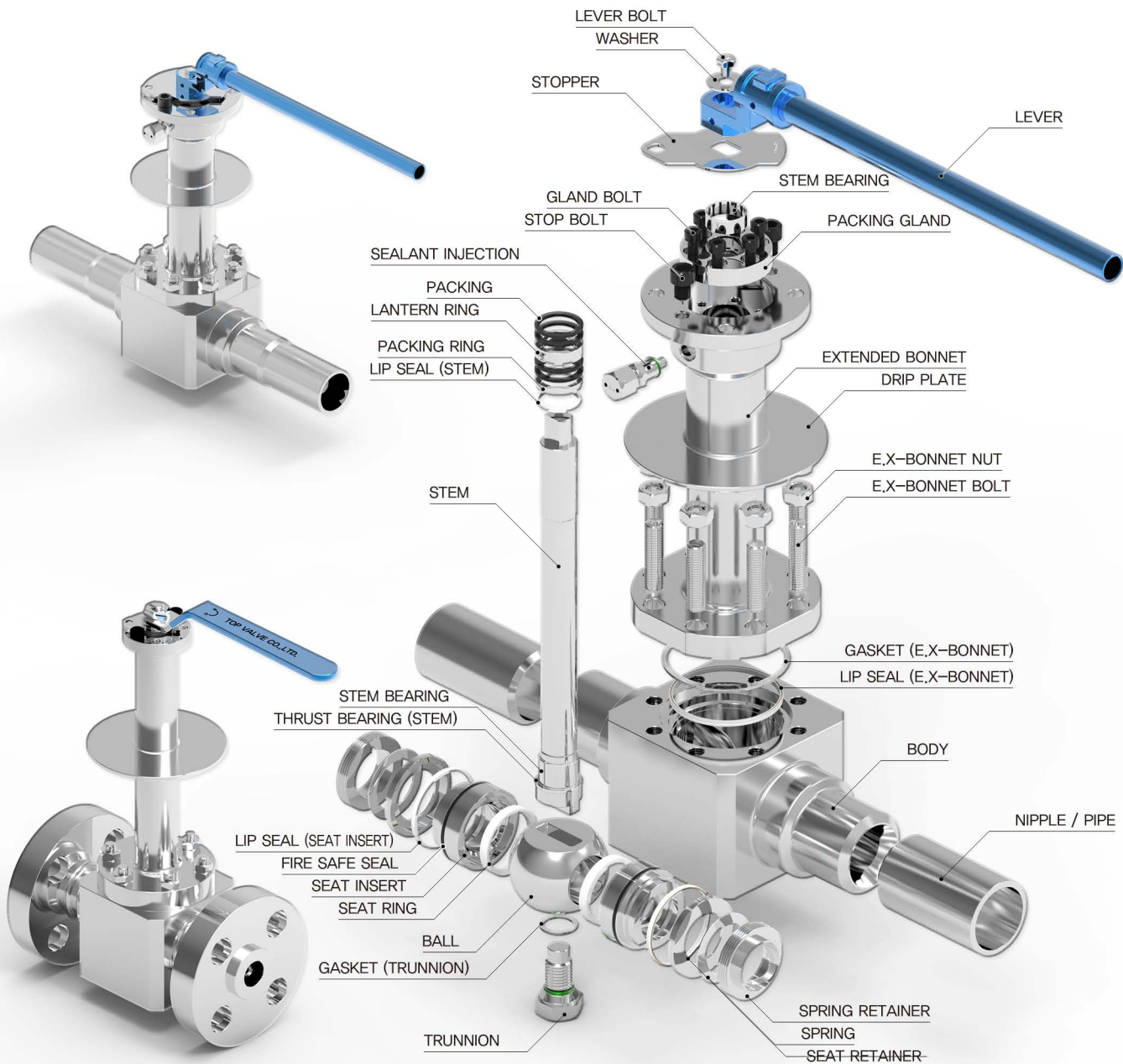
## Split Body (3-Piece) Trunnion Ball Valve



Ball Type	End Connection	Port	Class	Size
Split Body (3-Piece)	ASME B16.5 (Flanged)	Reduced	150	1.1/2" ~ 60"
			300	1.1/2" ~ 60"
	ASME B16.47 (Flanged)	Full	600	1.1/2" ~ 48"
			900	1.1/2" ~ 36"
	MSS SP 44 (Flanged)		1500	1.1/2" ~ 24"
	ASME B16.25 (Butt Weld)		2500	1.1/2" ~ 12"
Face to Face		ASME B16.10 / API 6D		
Pressure Test		API 598 / API 6D		

# Cryogenic Ball Valve Range

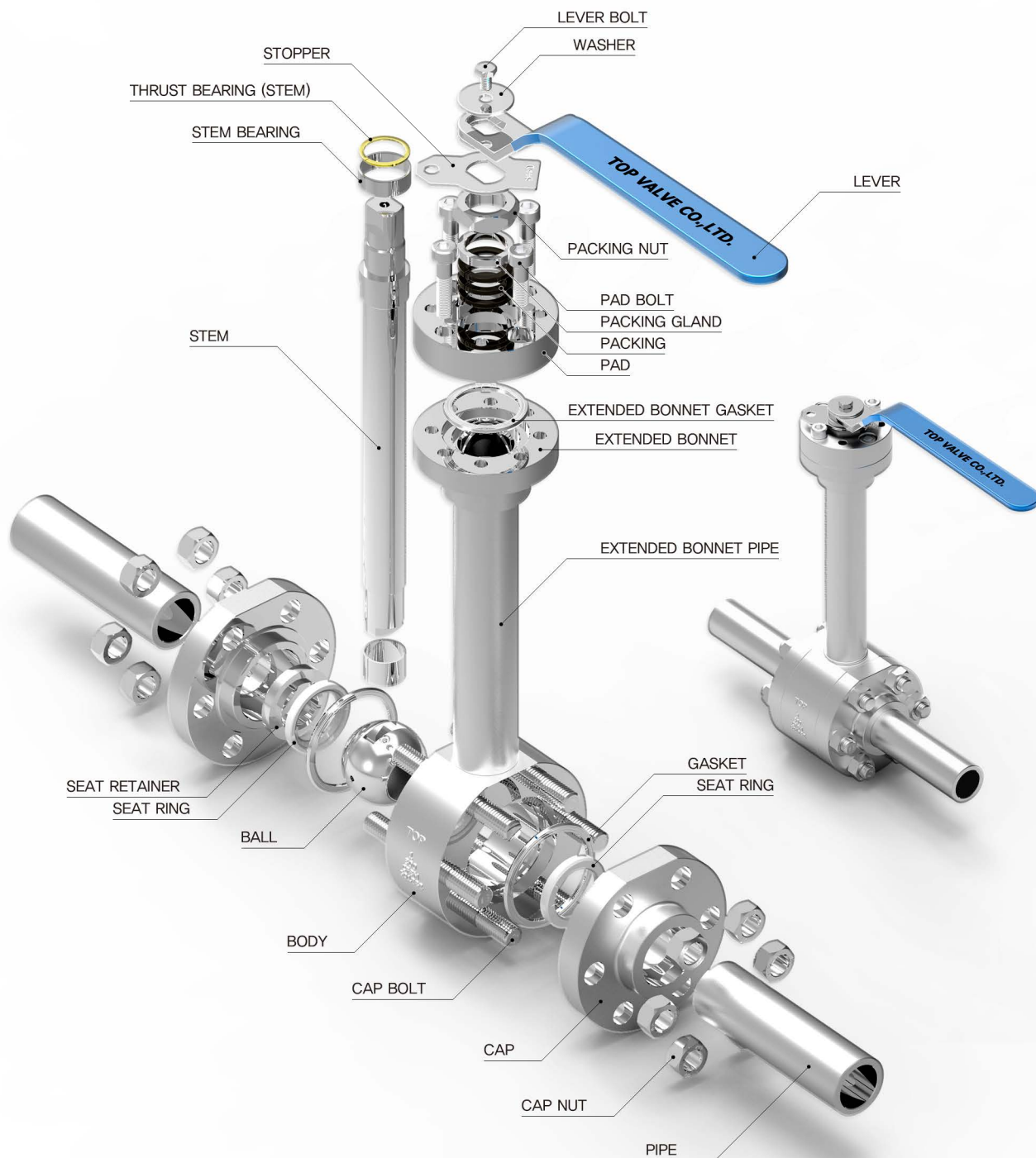
## Cryogenic Top Entry Ball Valve



Ball Type	End Connection	Port	Class	Size
Top Entry (1-Piece)	ASME B16.5 (Flanged)	Reduced	150	1/2" ~ 48"
	ASME B16.47 (Flanged)		300	1/2" ~ 48"
	ASME B16.25 (Butt Weld)		600	1/2" ~ 40"
	ASME B 1.20.1 (Screwed)	Full	900	1/2" ~ 36"
	ASME B 16.11 (Socket Weld)		1500	1/2" ~ 24"
			2500	1/2" ~ 12"
Face to Face	ASME B16.10 / API 6D			
Pressure Test	API 598 / API 6D / BS 6364			

# Cryogenic Ball Valve Range

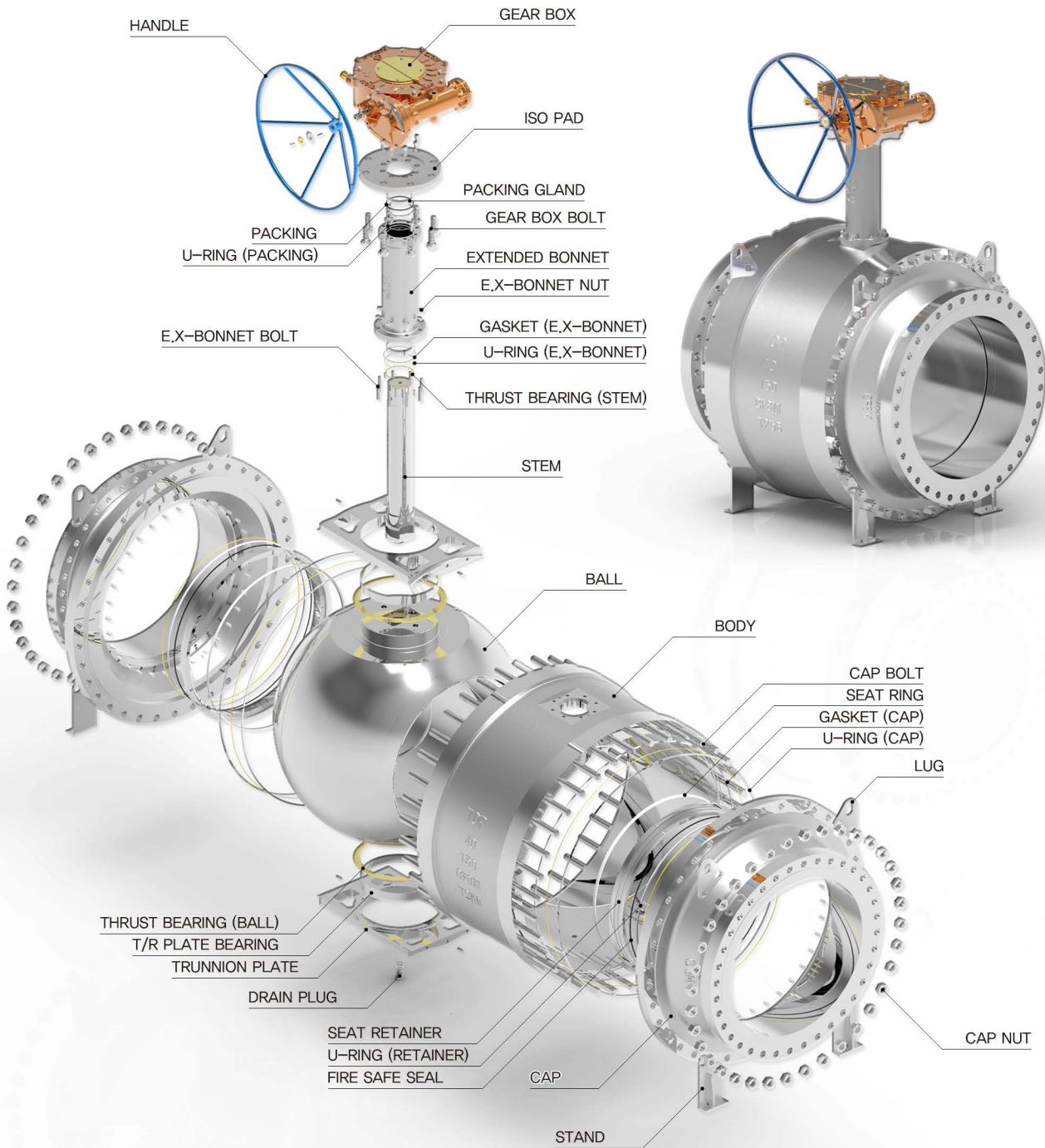
## Split Body (3-Piece) Forged Cryogenic Ball Valve



Ball Type	End Connection	Port	Class	Size
Forged Body	ASME B 1.20.1 (Screwed)	Reduced	150 / 2500	1/2" ~ 2"
		Full	150 / 2500	1/2" ~ 2"
	ASME B 16.11 (Socket Weld)	Reduced	150 / 2500	1/2" ~ 2"
		Full	150 / 2500	1/2" ~ 2"
Face to Face	TOP VALVE STANDARD			
Pressure Test	API 598 / API 6D / BS 6364			

# Cryogenic Ball Valve Range

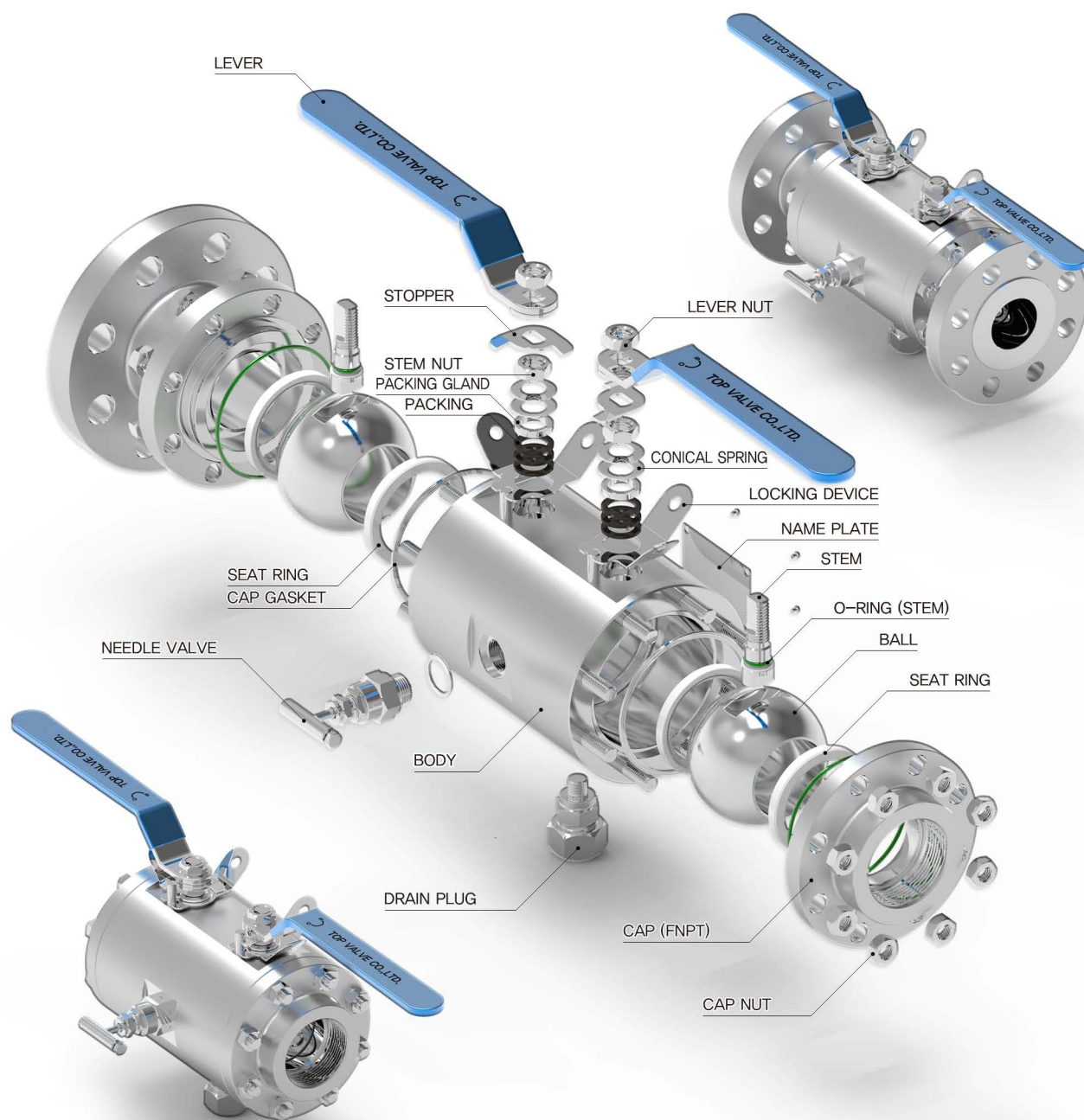
## Split Body (2/3-Piece) Cryogenic Ball Valve



Ball Type	End Connection	Port	Class	Size
Split Body	ASME B16.5 (Flanged)	Reduced	150	1/2" ~ 48"
			300	1/2" ~ 48"
	ASME B16.47 (Flanged)	Full	600	1/2" ~ 40"
			900	1/2" ~ 36"
	MSS SP 44 (Flanged)		1500	1/2" ~ 24"
	ASME B16.25 (Butt Weld)		2500	1/2" ~ 12"
Face to Face	ASME B16.10 / API 6D			
Pressure Test	API 598 / API 6D / BS 6364			

# DBB Ball Valve Range

## Split Body (3-Piece) Double Block & Bleed Ball Valve



Ball Type	End Connection	Port	Class	Size
Forged Body	ASME B 16.5 (Flanged)	Reduced	150 / 900	1/2" ~ 24"
			1500 / 2500	1/2" ~ 12"
	ASME B16.25 (Butt Weld)	Full	150 / 900	1/2" ~ 24"
			1500 / 2500	1/2" ~ 12"
	ASME B 1.20.1 (Screwed)	Reduced	150 / 900	1/2" ~ 2"
			1500 / 2500	1/2" ~ 2"
	ASME B 16.11 (Socket Weld)	Full	150 / 2500	1/2" ~ 2"
			150 / 2500	1/2" ~ 2"
Face to Face	TOP VALVE STANDARD			
Pressure Test	API 598 / API 6D			



## Split Body (3–Piece) Forged Metal Seat Ball Valve

Ball Type	End Connection	Port	Class	Size
Forged Body	ASME B 1.20.1 (Screwed)	Reduced	150 / 2500	1/2" ~ 3"
		Full	150 / 2500	1/2" ~ 2"
	ASME B 16.11 (Socket Weld)	Reduced	150 / 2500	1/2" ~ 3"
		Full	150 / 2500	1/2" ~ 2"
Face to Face	TOP VALVE STANDARD	Pressure Test		API 598 / API 6D

## Split Body (2/3–Piece) Floating Metal Seat Ball Valve

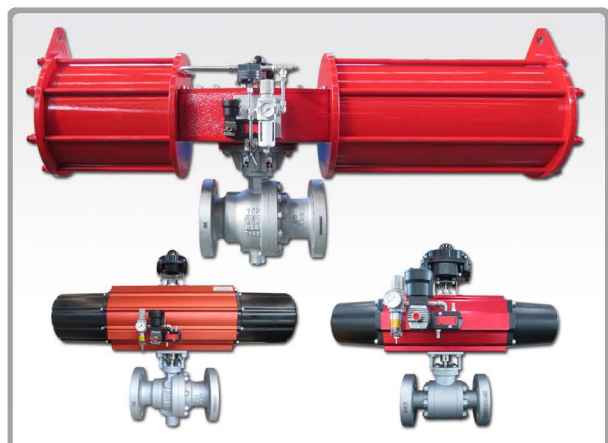
Ball Type	End Connection	Port	Class	Size
Split Body (2–Piece)	ASME B16.5 (Flanged)	Reduced	150	1/2" ~ 6"
			300	1/2" ~ 6"
			600	1/2" ~ 4"
	ASME B16.25 (Butt Weld)	Full	150	1/2" ~ 4"
			300	1/2" ~ 4"
			600	1/2" ~ 3"
Face to Face	ASME B16.10 / API 6D	Pressure Test		API 598 / API 6D

## Split Body (2/3–Piece) Trunnion Metal Seat Ball Valve

Ball Type	End Connection	Port	Class	Size
Split Body (2/3–Piece)	ASME B16.5 (Flanged)	Reduced	150	1.1/2" ~ 48"
			300	1.1/2" ~ 48"
			600	1.1/2" ~ 40"
			900	1.1/2" ~ 36"
			1500	1.1/2" ~ 24"
			2500	1.1/2" ~ 12"
	ASME B16.47 (Flanged)	Full	150	1.1/2" ~ 48"
			300	1.1/2" ~ 48"
			600	1.1/2" ~ 40"
			900	1.1/2" ~ 36"
			1500	1.1/2" ~ 24"
			2500	1.1/2" ~ 12"
MSS SP 44 (Flanged)	Full	150	1.1/2" ~ 48"	
		300	1.1/2" ~ 48"	
ASME B 16.25 (Butt Weld)	Full	600	1.1/2" ~ 40"	
		900	1.1/2" ~ 36"	
ASME B 16.25 (Butt Weld)	Full	1500	1.1/2" ~ 24"	
		2500	1.1/2" ~ 12"	
Face to Face	ASME B16.10 / API 6D	Pressure Test		API 598 / API 6D



TRUNNION METAL SEAT BALL VALVE



ACTUATOR METAL SEAT BALL VALVE

# Top entry & 3-Way Ball Valve Range

## Top entry Soft & Metal Seat Ball Valve

Ball Type	End Connection	Port	Class	Size
Top entry Soft Seat & Metal Seat Ball Valve	ASME B 1.20.1 (Screwed)	Reduced Full	150 / 300	1/2" ~ 2"
			600 / 900	1/2" ~ 2"
			1500 / 2500	1/2" ~ 2"
	ASME B16.5 (Flanged)	Reduced	150	1/2" ~ 48"
			300	1/2" ~ 48"
			600	1/2" ~ 40"
			900	1/2" ~ 36"
			1500	1/2" ~ 24"
ASME B16.47 (Flanged)	Full	2500	1/2" ~ 12"	
MSS SP 44 (Flanged)				
ASME B16.25 (Butt Weld)				
Face to Face	ASME B16.10 / API 6D			
Pressure Test	API 598 / API 6D			



TOP ENTRY METAL SEAT BALL VALVE



FORGED TOP ENTRY BALL VALVE

## 3-Way Soft & Metal Seat Ball Valve

Ball Type	End Connection	Port	Class	Size
Split Body (3-Way Ball)	ASME B16.5 (Flanged)	Full	150	1.1/2" ~ 24"
			300	1.1/2" ~ 24"
	600		1.1/2" ~ 16"	
	900		1.1/2" ~ 12"	
	1500		1.1/2" ~ 12"	
ASME B16.25 (Butt Weld)				
Face to Face	TOP VALVE STANDARD	Pressure Test	API 598 / API 6D	



3-WAY METAL SEAT BALL VALVE



3-WAY BALL VALVE



PNEUMATIC BALL VALVE

# Jacketed & Strainer Range



## Jacketed Ball Valve

Ball Type	End Connection	Port	Class	Size
Uni Body (1-Piece)	ASME B16.5(Flanged)	Reduced	150 / 300	1/2" ~ 10"
Split Body (2/3-Piece)	ASME B16.5(Flanged)	Full	150	1/2" ~ 48"
	ASME B16.47(Flanged)		300	1/2" ~ 48"
	MSS SP 44(Flanged)		600	1/2" ~ 42"
Face to Face	ASME B16.10 / API 6D	Pressure Test		API 598 / API 6D



**JACKETED BALL VALVE 150LB-3B**



**JACKETED BALL VALVE 150LB-10B**

## Strainer (Y/T/Bucket/Cone Type)

Ball Type	End Connection	Port	Class	Size
Y-Type(Casting)	ASME B16.5(Flanged)	Full	150/300/600	1/2" ~ 16"
Y-Type(Welded)			150/300/600	1.1/2" ~ 36"
Duplex-Type(Casting)	ASME B16.47(Flanged)		150/300/600	1/2" ~ 16"
Bucket-Type(Casting)	MSS SP 44(Flanged)		150/300/600	1/2" ~ 16"
Bucket-Type(Welded)	ASME B16.25		150/300/600	1.1/2" ~ 36"
T-Type(Welded)	(Butt Weld)		150/300/600	1.1/2" ~ 36"
Cone-Type(Welded)		150/300/600	1/2" ~ 48"	
Face to Face	TOP VALVE STANDARD			



# Main Products

## Cryogenic Valve



## Special Valve





## Manufacturing Facilities



## Inspection / Test Facilities



# TOP VALVE Products

- ◆ Side Entry Ball Valves from 1/2" up to 60"
- ◆ Top Entry Ball Valves from 1/2" up to 48"
- ◆ Cryogenic Ball Valves from 1/2" up to 48"
- ◆ Metal Seat Ball Valves from 1/2" up to 48"
- ◆ 3-Way Ball Valves from 1/2" up to 24"
- ◆ Jacketed Ball Valves from 1/2" up to 48"
- ◆ Pulley Welded Ball Valves from 2" up to 48"
- ◆ Double Block & Bleed Ball Valve from 1/2" up to 24"
- ◆ Strainer(Bucket/Y/T/Cone/Duplex) from 1/2" up to 56"



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