



The Valve Company

INDUSTRIEARMATUREN

INDUSTRIAL VALVES

KUGELHÄHNE

BALLVALVES



CE
0036

Design

VOELKEL cast steel ball valve are designed and manufactured to provide maximum service life and dependability. All ball valves are full ported and meet the design requirements of American petroleum Institute Standard API 600 & API 6D, British Standard BS 5351 and generally conform to American Society of Mechanical Engineers Standard ASME B 16.34. Valves are available in a complete range of body/bonnet materials and trims.

Available Modifications For VOELKEL Cast Steel Valves

- * Trim Changes
- * End Connection Modifications
- * Packing and Gasket Changes
- * Operator Mounting
- * Handwheel Extensions

Rang of Materials

Standard body/bonnet materials include nine grades of carbon, low alloy and stainless steels. For special applications they can be supplied in other grades of alloy and stainless steel. There's a full range of trim materials to match any service. Optional packing and gasket materials are available for a full range of service conditions.

- * Pressure Equalizing
- * AS or FD
- * Customer Specified Coatings
- * Weld End Bore Changes
- * Oxygen & Chlorine Cleaning & Packaging

Trunnion Mounted Cast Steel Ball Valve 150LB

Applicable standards:

- * STEEL BALL VALVES, API 608/API 6D
- * STEEL BALL VALVES, ISO 10434/ISO 14313
- * FIRE DURABLE, API 607
- * ANTI STATIC, API 608
- * STEEL VALVES, ASME B 16.34
- * FACE TO FACE, ASME B 16.10
- * END FLANGES, ASME B 16.5
- * BUTTWELDING ENDS, ASME B 16.25
- * INSPECTION AND TEST, API 598/API 6D

Design description:

- * FULL PORT DESIGN
- * BB, BOLTED BONNET, SPLIT BODY
- * THREE PIECE BODY FOR 12" & ABOVE
- * TRUNNION MOUNTED BALL TYPE
- * BLOW-OUT PROOF STEM
- * FIRE DURABLE CONSTRUCTION
- * ANTI STATIC DEVICE
- * STOPPER DEVICE
- * ISO5211 MOUNTING PAD
- * FLANGED OR BUTT WELDING ENDS
- * AVAILABLE WITH WG OPERATOR

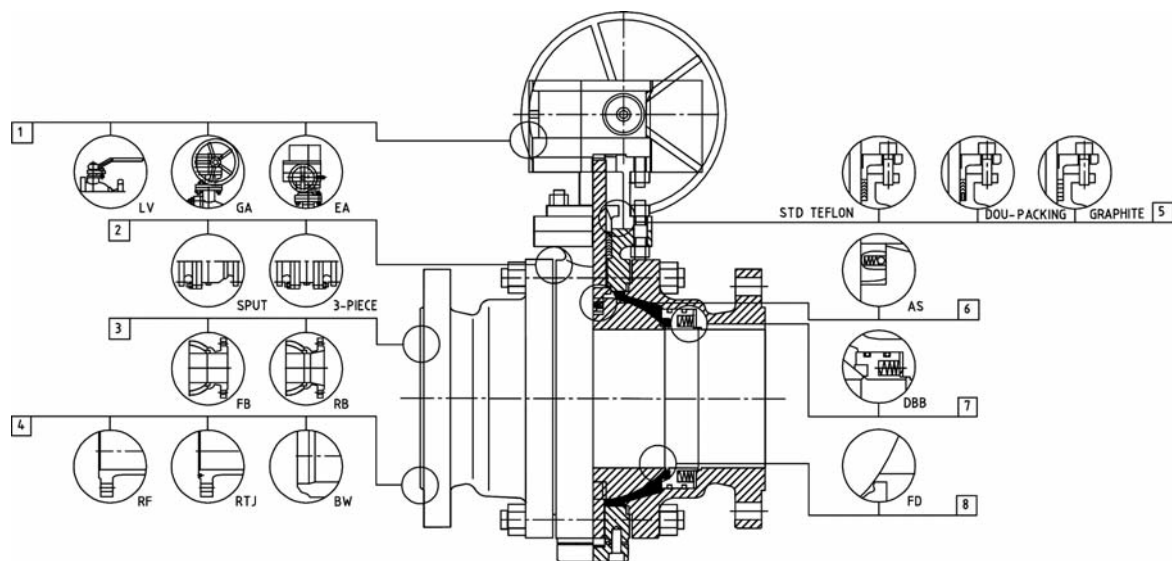


Fig. 407 TM Carbonsteel
Fig. 409 TM Stainless Steel

1 Operating

Extended lever for easy operation. Also available with gearing, motor actuators, pneumatic or hydraulic actuators for more difficult services.

3 BORE

Full Bore or Reduced Bore. Full-bore design provides exceptional flow control

5 Packing

STD Packing Multiple V-TEFLON packing, combined with live loading, maintains packing compression under high-cycle and severe service applications. Graphite packing use situation for high-temperature.

7 DDB

Double Block & Bleed, The body cavity is isolated when the ball is in either fully closed or fully opened position. The medium entrapped in it can easily be bled to avoid over pressure.

2 BODY & BONNET

Split or 3-piece, split body & bonnet for 12" & Small. Disassembles easily for repair or replacement of internal components.

4 End Connections

A choice of Flanged, RTJ flanged or Buttwelding end for piping flexibility

6 AS

Anti Static. A metallic contact is always granted between ball an stem/ body to discharge eventual statics build-up during service.

8 FD

Fire Durable. Designed to API 607 or BS 6755 to grant their operation suitability in case of fire. Secondary metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with API 607 will be provided with graphite packing and gaskets.

Design

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Available Modifications For VOELKEL Cast Steel Valves

- * Trim Changes
- * End Connection Modifications
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- * Handwheel Extensions

Range of Materials

Standard body/bonnet materials include nine grades of carbon, low alloy and stainless steels. For special applications they can be supplied in other grades of alloy and stainless steel. There's a full range of trim materials to match any service. Optional packing and gasket materials are available for a full range of service conditions.

- * Pressure Equalizing
- * AS or FD
- * Customer Specified Coatings
- * Weld End Bore Changes
- * Oxygen & Chlorine Cleaning & Packaging

Floating Cast Steel Ball Valve 150LB

Applicable standards:

- * STEEL BALL VALVES, API 608/API 6D
- * STEEL BALL VALVES, ISO 10434/ISO 14313
- * FIRE DURABLE, API 607
- * ANTI STATIC, API 608
- * STEEL VALVES, ASME B 16.34
- * FACE TO FACE, ASME B 16.10
- * END FLANGES, ASME B 16.5
- * BUTTWELDING ENDS, ASME B 16.25
- * INSPECTION AND TEST, API 598/API 6D

Design description:

- * FULL PORT DESIGN
- * BB, BOLTED BONNET, SPLIT BODY
- * FLOATING BALL TYPE
- * BLOW-OUT PROOF STEM
- * FIRE DURABLE CONSTRUCTION
- * ANTI STATIC DEVICE
- * STOPPER DEVICE
- * ISO5211 MOUNTING PAD
- * FLANGED OR BUTT WELDING ENDS
- * AVAILABLE WITH WG OPERATOR

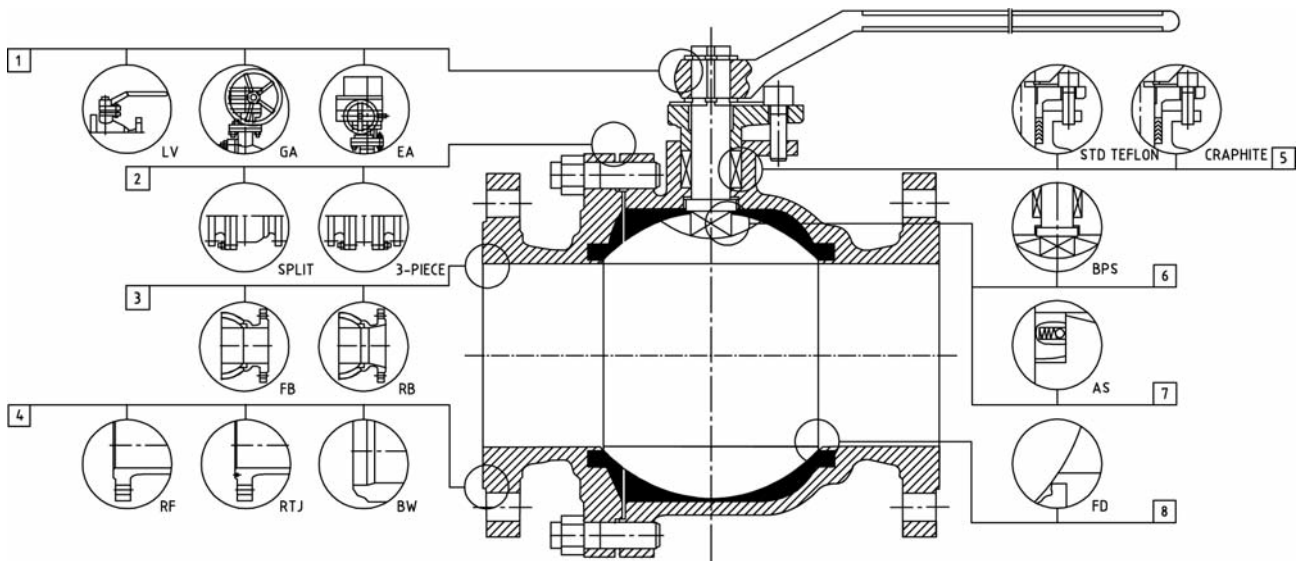


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Extended lever for easy operation. Also available with gearing, motor actuators, pneumatic or hydraulic actuators for more difficult services.

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Split or 3-piece, split body & bonnet for 12" & Small. Disassembles easily for repair or replacement of internal components.

3 BORE

Full Bore or Reduced Bore. Full-bore design provides exceptional flow control

4 End Connections

A choice of Flanged, RTJ flanged or Buttwelding end for piping flexibility

5 Packing

STD Packing Multiple V-TEFLON packing, combined with live loading, maintains packing compression under high-cycle and severe service applications. Graphite packing use situation for high-temperature.

6 BPS

Blow-out Proof Stem. A pressure-safe stem shoulder design that protects against failure under excess pressure.

7 AS

Anti Static. A metallic contact is always granted between ball and stem/ body to discharge eventual statics build-up during service.

8 FD

Fire Durable. Designed to API 607 or BS 6755 to grant their operation suitability in case of fire. Secondary metal-to-metal seal acts as backup if primary seal is destroyed by fire. Valves ordered for compliance with API 607 will be provided with graphite packing and gaskets.

**150Lb~600lbs
Floating Cast Steel Ball Valve**

ANSI Class 150 Lb

IN DN	½ 15	¾ 20	1 25	1 ½ 40	2 50	2 ½ 65	3 80	4 100	6 150	8 200	10 250	12 300	In. mm
L (RF)	108	117	127	165	178	190	203	229	394	457	553	610	mm
H	55	55	70	90	105	155	185	205	255	280	345	420	mm
W	130	130	160	200	350	400	500	500	600	800	800	800	mm
kg	2.3	3	4.5	7	9.5	15	19	33	93	160	200	280	RF

ANSI Class 300 Lb

IN DN	½ 15	¾ 20	1 25	1 ½ 40	2 50	2 ½ 65	3 80	4 100	6 150	8 200	10 250	12 300	In. mm
L (RF)	140	152	165	190	216	241	283	305	403	502	568	648	mm
H	55	55	70	90	105	153	187	206	255	280	345	420	mm
W	130	130	160	200	350	400	500	500	600	800	800	800	mm
kg	2.5	3.5	5.5	10.5	14.5	23.5	30	55	118	200	250	330	RF

ANSI Class 600 Lb

IN DN	½ 15	¾ 20	1 25	1 ½ 40	2 50	2 ½ 65	3 80	4 100	6 150	8 200	10 250	12 300	In. mm
L (RF)	165	190	216	241	292	330	256	432	559	-	-	-	mm
H	61.5	61.5	78	101	120	174	212	234	289	-	-	-	mm
W	130	160	200	350	400	500	600	600	800	-	-	-	mm
kg	3.3	4.5	7.2	13.5	19	31	39	71	153	-	-	-	RF/RTJ



SCHIEBER VENTILE

KUGELHÄHNE KLAPPEN



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