



**AVK CONCENTRIC BUTTERFLY VALVE, ROTORK ACTUATION, 816/BFV/ROT/BG/GB WITH VULCANIZED LINER, CLASS 150B&250B - BELOW GROUND MJxMJ**  
**Mechanical Joint Ends - Valve Sizes 4" - 24"**

**Use:**  
 For water to maximum 160°F.

**Tests:**  
 Hydraulic tests to AWWA C504:

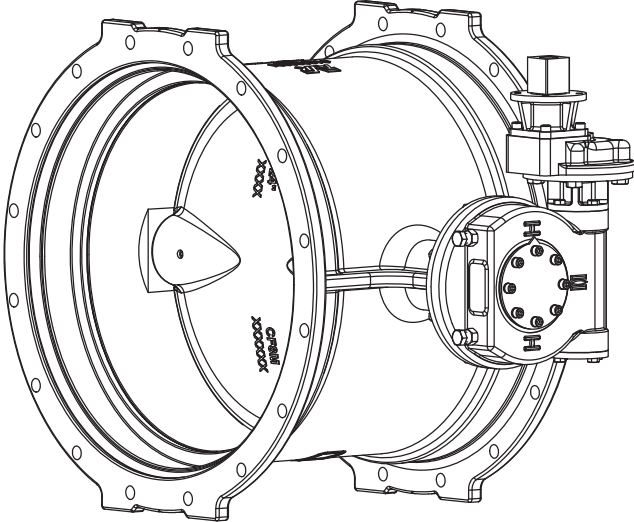
	150B	250B
Shell Test:	300 PSI	500 PSI
Seat Test:	150 PSI	250 PSI

**Approvals:**  
 Certified to: ANSI/NSF 61, ANSI/NSF 372

**Standard Materials:**

Body	Ductile iron ASTM A536 with vulcanized EPDM liner
Coating	Two Component, High Solids Epoxy
Stems	Standard: 17-4PH Stainless steel ASTM A564
Bushings	Copper alloy ASTM B505
Disc	Ductile iron ASTM A536 with Ni-Cu seat
Mounting hardware, Set Screw	Stainless steel
O-rings	ASTM D2000 Buna "N" nitrile rubber



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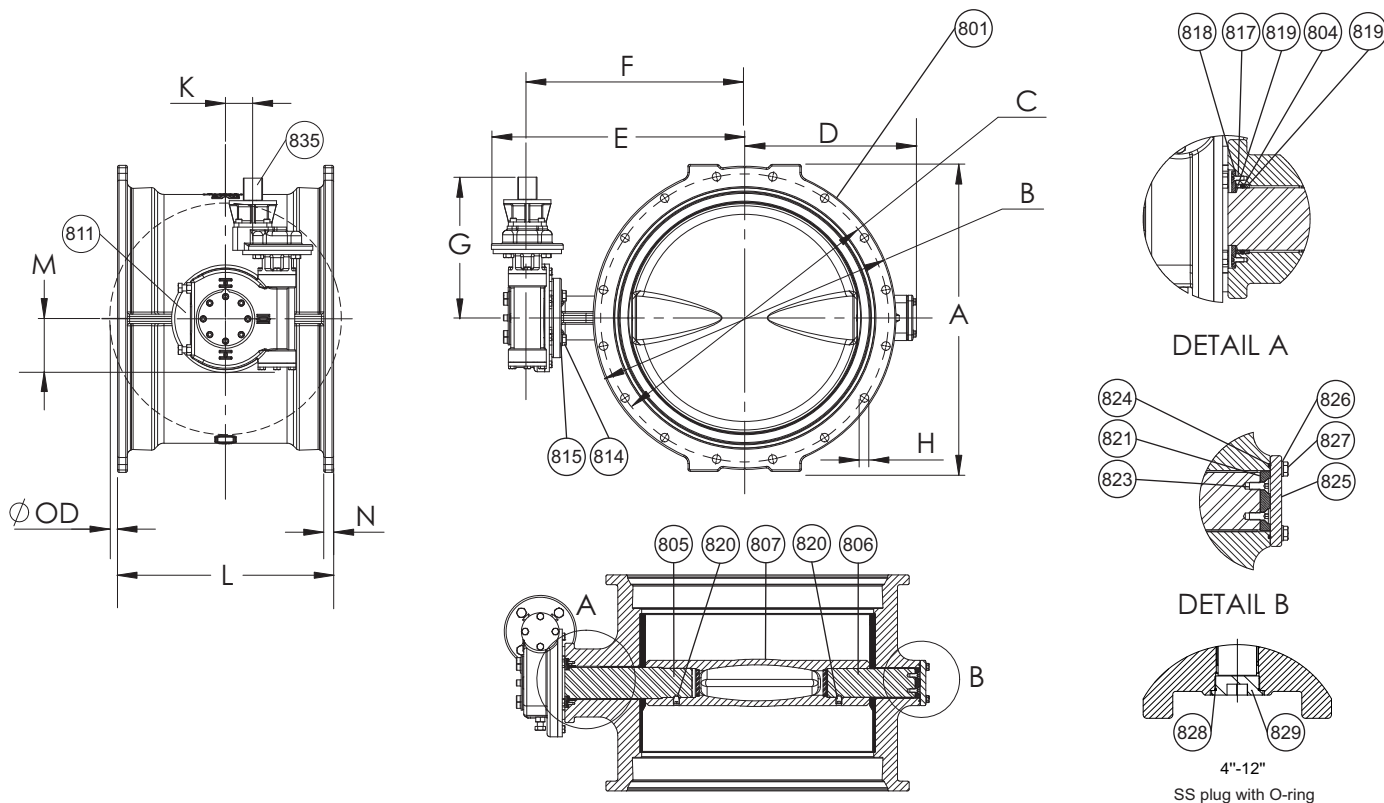
MJxMJ

Mechanical Joint Ends - Valve Sizes 4" - 24"

## Component List:

801. Body	811. Gearbox	820. Stem-Disc Screws	827. End Plate Bolts
804. Upper Shaft O-ring	814. Gearbox Bolt	821. Axial Bearing	828. Stem Plug O-ring
805. Drive Shaft	815. Gearbox Washer	822. Bearing Adjustment Screws*	829. Stem Plug
806. Stub Shaft	817. Stem Plate Retaining Screws	824. End Plate O-ring	835. Wrench Nut
807. Disc	818. Stem Plate	825. End Plate	836. Wrench Nut Set Screw*
810. Gearbox Key*	819. O-ring Retainer	826. End Plate Washers	

\* Not shown



Ref No.	Size	A	B	C	D	E	F	G	H	K	L	M	N	ØOD	TO OPEN		
															150/250	HOLES	WT. LBS.
816-100-MM-BG-RGB	4"	9.09"	9.09"	7.50"	4.50"	9.84"	7.38"	6.77"	0.88"	2.80"	8.13"	2.71"	0.60"	NA	9/9	8	53
816-150-MM-BG-RGB	6"	11.06"	11.06"	9.50"	5.50"	11.12"	8.66"	6.77"	0.88"	2.80"	9.25"	2.71"	1.00"	NA	9/9	8	73
816-200-MM-BG-RGB	8"	13.31"	13.31"	11.75"	6.75"	12.15"	9.69"	7.17"	0.88"	3.38"	10.50"	3.94"	1.13"	NA	10/10	8	110
816-250-MM-BG-RGB	10"	15.69"	15.69"	14.00"	8.00"	13.76"	11.30"	7.17"	0.88"	3.38"	11.75"	3.94"	1.19"	NA	10/10	8	148
816-300-MM-BG-RGB	12"	17.88"	17.88"	16.25"	9.50"	14.75"	12.29"	7.17"	0.88"	3.38"	13.00"	3.94"	1.25"	NA	10/10	8	179
816-350-MM-BG-RGB	14"	20.71"	20.25"	18.75"	10.70"	16.48"	14.02"	7.17"	0.88"	3.38"	16.25"	3.94"	1.38"	NA	10/10	10	261
816-400-MM-BG-RGB	16"	22.91"	22.50"	21.00"	12.28"	18.41"	15.95"	7.17"	0.88"	3.38"	17.50"	3.94"	1.44"	NA	10/10	12	357
816-450-MM-BG-RGB	18"	25.20"	24.83"	23.25"	13.56"	19.40"	16.94"	7.80"	0.88"	4.11"	18.75"	4.33"	1.56"	NA	10/12	12	528
816-500-MM-BG-RGB	20"	27.48"	27.08"	25.50"	14.70"	28.07"	18.98"	14.21"	0.88"	5.35"	20.25"	5.35"	1.70"	NA	12/24	14	624
816-600-MM-BG-RGB	24"	31.97"	31.58"	30.00"	17.85"	31.89"	22.80"	14.21"	0.88"	5.35"	22.50"	5.35"	1.88"	0.78"	24/38	16	870

NA - Not Applicable

