

# AVK CONCENTRIC BUTTERFLY VALVE ROTORK ACTUATION, 816/BFV/ROT/BG/GB WITH VULCANIZED LINER, CLASS 150B&250B - BELOW GROUND WAF



Wafer Ends - Valve Sizes 3" - 20"

**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

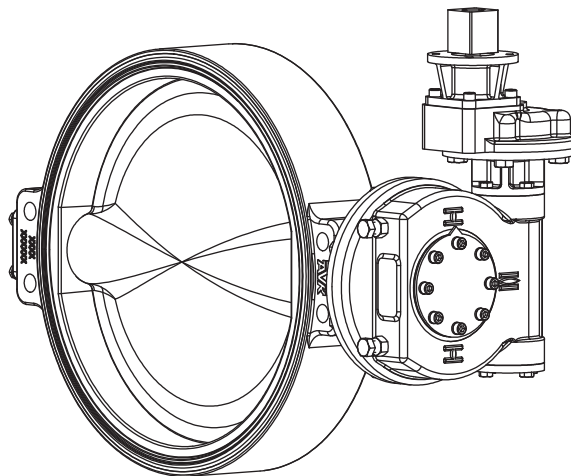
**Approvals:**  
Certified to: ANSI/NSF 61, ANSI/NSF 372

**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

( \* ) 3"-4" disc material is CF8M 316 stainless steel



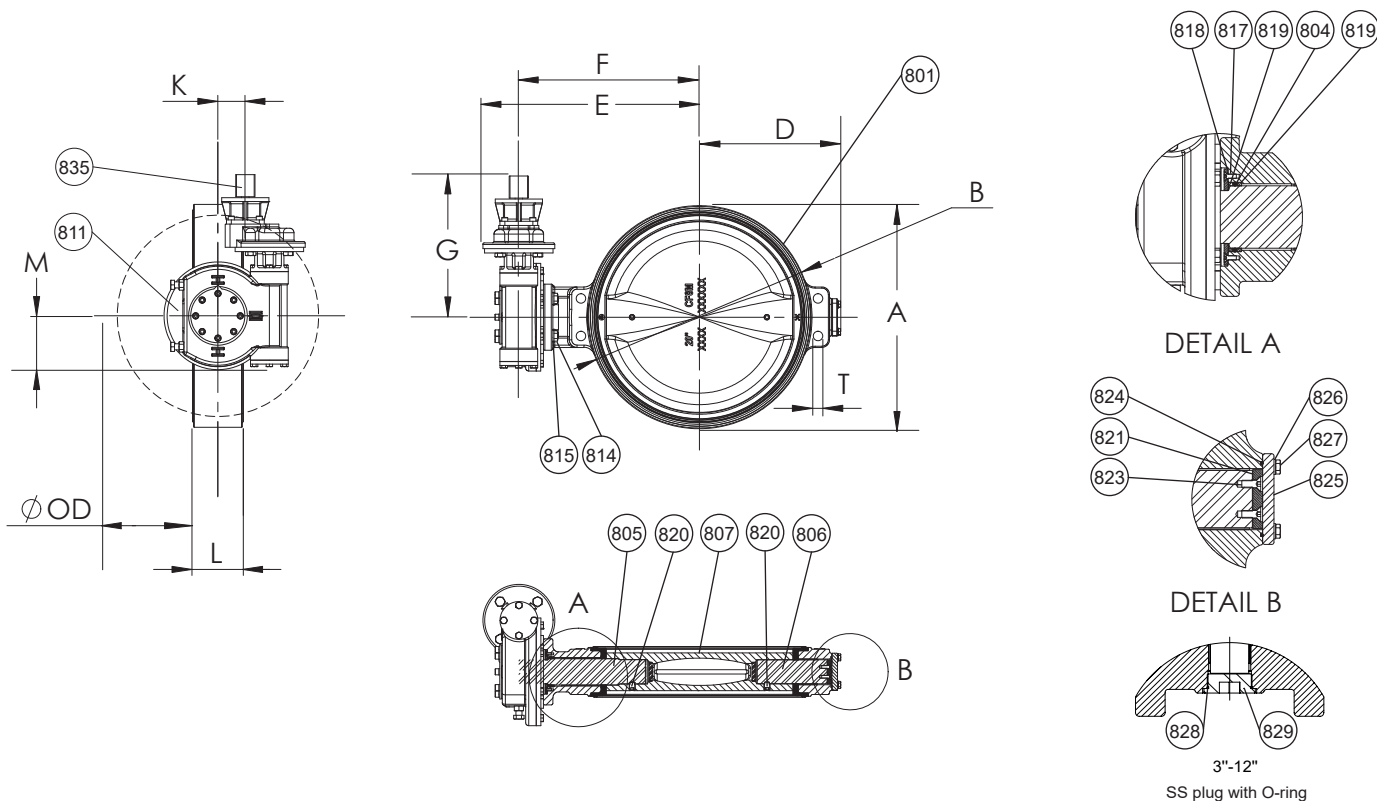
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## Component List:

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	D	E	F	G	K	L	M	T	ØOD	TURNS		SHPG.
													150/250	TO OPEN	
816-080-WAF-BG-RGB	3"	5.31"	2.20"	3.75"	9.32"	6.86"	6.77"	2.80"	2.12"	2.71"	NA	0.47"	9/9	32	
816-100-WAF-BG-RGB	4"	6.42"	3.29"	4.50"	9.84"	7.38"	6.77"	2.80"	2.37"	2.71"	NA	0.84"	9/9	38	
816-150-WAF-BG-RGB	6"	8.27"	5.30"	5.50"	11.12"	8.66"	6.77"	2.80"	2.93"	2.71"	0.88"	1.56"	9/9	49	
816-200-WAF-BG-RGB	8"	10.51"	7.46"	6.75"	12.15"	9.69"	7.17"	3.38"	3.06"	3.94"	0.88"	2.50"	10/10	73	
816-250-WAF-BG-RGB	10"	12.76"	9.51"	8.00"	13.76"	11.30"	7.17"	3.38"	3.24"	3.94"	1.00"	3.40"	10/10	95	
816-300-WAF-BG-RGB	12"	14.76"	11.53"	9.50"	14.75"	12.29"	7.17"	3.38"	3.53"	3.94"	1.00"	4.27"	10/10	108	
816-350-WAF-BG-RGB	14"	17.36"	13.48"	10.70"	16.48"	14.02"	7.17"	3.38"	3.95"	3.94"	1.13"	5.05"	10/10	151	
816-400-WAF-BG-RGB	16"	19.76"	15.46"	12.28"	18.41"	14.02"	7.17"	3.38"	4.29"	3.94"	1"-8UNC-2B	5.88"	10/10	214	
816-450-WAF-BG-RGB	18"	21.85"	17.42"	13.56"	19.40"	16.94"	7.80"	4.11"	4.76"	4.33"	1-1/8"-7UNC-2B	6.65"	10/12	337	
816-500-WAF-BG-RGB	20"	24.13"	19.36"	14.70"	28.07"	18.98"	14.21"	5.35"	5.28"	5.35"	1-1/8"-7UNC-2B	7.39"	12/24	409	

