

Resilient Wedge IPS Gate Valves



- AquaFuse ControlFlo gate valves are cast, machined, assembled, and tested 100% in the United States of America by Clow Valve.
- Stem nut independent of wedge for non-binding operation.
- Bolt and nut design instead of recessed socket head capscrews for ease of maintenance.
- Newest, state-of-the-art machining and coating technology.
- Meets all AWWA C509, C550, and NSF 61 standards.

Item	Operating Feature
STANDARD MATERIALS	
Body & Cover	Ductile Iron to ASTM A 536, 70-50-5
Coating	Heat Fused Epoxy to meet AWWA C550
Operating Nut	Iron to ASTM A126, CLASS B
Stem	Bronze ASTM B584, C86700
Wedge	Ductile Iron ASTM A536 / EPDM Encapsulated
Stuffing Box	Ductile Iron ASTM A536, Grade 70-50-5
Stem Nut	Bronze (NDZ) ASTM B763, Alloy C99500
Bolts & Nuts	Stainless Steel ASTM F593C / F594
O-rings	EPDM
OPTIONAL MATERIALS	
Pipe	Pipe 4710 to AWWA C906 in DR9, DR11, DR13.5 or DR17 IPS suitable for Butt Fusion or Electrofusion joining
Bolts & Nuts	316 Stainless available
Stem	Stainless Steel
Wedge	Ductile Iron ASTM A536 / EPDM Encapsulated

Engineering Features	
Valve Rating	All valves are rated at 250 PSI for AWWA service and hydrostatically tested to 500 PSI. All 4"–12", 18" and 20" valves are rated at 200 PSI for UL/FM service. All 14" and 16" valves are rated at 250 PSI for UL/FM service.
Epoxy Coating	Clow corrosion resistant fusion-bonded epoxy coating, conforming to AWWA C550 and NSF 61 Certified, protects both inside and outside of valve.
Polyethylene Ends	High Density bimodal PE4710/PE100, NSF-14, ANSI/NSF-61 with a Notch Tensile (PENT) value > 10,000 hrs, ASTM Method F1473.
Thrust Bearings	Delrin thrust bearings above and below the thrust collar reduce friction and minimize operating torque.
Stainless Steel Hardware	304 stainless steel nuts and bolts provide long-life corrosion protection.
Copper Alloy Stem	Long, trouble-free life with high strength, non-corrosive copper alloy stem and stem nut.
100% Coated Wedge	100% coated wedge ensures bubble-tight seal every time up to 250 PSI. With twin seal design.
Elliptical Bolt Holes	Hole design on MJ connection eliminates the need for anti-rotation bolts.
Lifting Lug	Integrated lifting lugs on follower plate for setting the valve into position. Available 4"–16".
Replaceable O-Rings	Two O-ring seals are replaceable with the valve fully open and subjected to full-rated working pressure.

Part Number	Description
OPERATING NUT OPERATOR	
AF263802901175009	AquaFuse ControlFlo 2" IPS Resilient Wedge Gate Valve DR11 Op-Nut
AF263803901175009	AquaFuse ControlFlo 3" IPS Resilient Wedge Gate Valve DR11 Op-Nut
AF263804901175009	AquaFuse ControlFlo 4" IPS Resilient Wedge Gate Valve DR11 Op-Nut
AF263806901175009	AquaFuse ControlFlo 6" IPS Resilient Wedge Gate Valve DR11 Op-Nut
AF263808901175009	AquaFuse ControlFlo 8" IPS Resilient Wedge Gate Valve DR11 Op-Nut
AF263810901175009	AquaFuse ControlFlo 8" IPS Resilient Wedge Gate Valve DR11 Op-Nut
AF263812901175009	AquaFuse ControlFlo 12" IPS Resilient Wedge Gate Valve DR11 Op-Nut
HAND-WHEEL OPERATOR	
AF263802901275009	AquaFuse ControlFlo 2" IPS Resilient Wedge Gate Valve DR11 Hand-Wheel
AF263803901275009	AquaFuse ControlFlo 3" IPS Resilient Wedge Gate Valve DR11 Hand-Wheel
AF263804901275009	AquaFuse ControlFlo 4" IPS Resilient Wedge Gate Valve DR11 Hand-Wheel
AF263806901275009	AquaFuse ControlFlo 6" IPS Resilient Wedge Gate Valve DR11 Hand-Wheel
AF263808901275009	AquaFuse ControlFlo 8" IPS Resilient Wedge Gate Valve DR11 Hand-Wheel
AF263810901275009	AquaFuse ControlFlo 10" IPS Resilient Wedge Gate Valve DR11 Hand-Wheel
AF263812901275009	AquaFuse ControlFlo 12" IPS Resilient Wedge Gate Valve DR11 Hand-Wheel

