AquaFuse® ControlFlo®

NSF/ANSI Standard 61 - Drinking Water System Components

360 Series Ball Valves

Item	Engineering Features
Serviceable Design	Patented gear design is easily replaced if needed, and with the valve fully open or closed, and subjected to fully-rated working pressure, thus Eliminating the need to replace the entire valve.
Water Hammer Prevention	Prevents lateral line water hammer protecting swing joints, sprinklers, and surrounding turf from damage.
Anti-Break Stem Design	Unique protected stem design eliminates over torquing issues and stem breakage, unlike that of other valves
Valve Position Indicator	Clear visual indicator shows valves working position "Open-Throttle-Close"
Extremely Low Operating Torque	Valve can be fully operated from open to closed by hand while under fully-rated working pressure.
Design Application	Water, Irrigation, Agriculture, Sewer
Sizes	2" IPS & 3" IPS / 63mm & 90mm
Design/Testing	NSF-61, EN12201-4:2001, ASME B16.40, Compatible with AWWA C901
Materials (PE)	High Density bimodal PE 4710 & PE100, NSF-14, ANSI/NSF-61
Notch Tensile (PENT) (PE)	> 10,000 hrs, ASTM Method F1473
Operating Pressure	ASTM Standard SDR 11 (200 PSI), ISO Standard 16 BAR (232 PSI)
Temperature Range	-20° F to 140° F / -29° C to 60° C
Port Type	Full Port
Pipe Connections	Butt Fusion, Socket Fusion, or Electrofusion
Actuation	Gear 360° Turn to Open to Close

IPS & Metric Valve Sizes and Dimensions (approx.)

Nominal Valve Size/SDR	D inch/mm	L inch/mm	H inch/mm	C inch/mm	I inch/mm	Port Type	Cv Factor US gal/min @ 1 psi loss	E inch/mm	Weight lbs/kg
2 IPS / SDR 11	2.37 / 60.30	19.60 / 498	9.65 / 250	7.01 / 178	1.77 / 45	Full	164	6.69 / 170	4.19 / 1.90
63mm / SDR 11	2.48 / 63	19.60 / 498	9.65 / 250	7.01 / 178	1.77 / 45	Full	164	6.69 / 170	4.19 / 1.90
3 IPS / SDR 11	3.50 / 88.90	21.26 / 540	11.28 / 286.50	7.81 / 198.5	2.52 / 64	Full	375	7.00 / 178	8.60 / 3.90
90mm / SDR 11	3.54 / 90	21.26 / 540	11.28 / 286.50	7.81 / 198.5	2.52 / 64	Full	375	7.00 / 178	8.60 / 3.90

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Construction and Materials	
Component	**Material**
Body	Polyethylene
End	Polyethylene
Ball Seal	Nitrile
Ball	Polypropylene
P.G. Operator	Acetal (POM)
Stem	Acetal (POM)
Weather Seal	Nitrile
Stem Seal	Nitrile
Retainer	Polypropylene

Part Number	Description
AFBV0200Y-MFN0-360	AquaFuse ControlFlo 2" IPS 360 Ball Valve PE4710/PE100 DR11 Full Port
AFBV0063M-MFN0-360	AquaFuse ControlFlo 63mm 360 Ball Valve PE4710/PE100 DR11 Full Port
AFBV0300Y-MFN0-360	AquaFuse ControlFlo 3" IPS 360 Ball Valve PE4710/PE100 DR11 Full Port
AFBV0090M-MFN0-360	AquaFuse ControlFlo 90mm 360 Ball Valve PE4710/PE100 DR11 Full Port
AFBVK	360/SBV Telescoping Ball Valve Key 19"/482mm - 30"/762mm

Note: All AquaFuse ControlFlo ball valves far exceed the minimum requirements set forth by ANSI/NSF-61 & NSF-14, EN12201-4:2001, ASME B16.40, and compatible with AAWWA C901 & AWWA C906 where applicable. PE4710/PE100 bimodal resin with a PENT value at 2.4 MPa and 80 °C of >10,000 hours per ASTM F1473 and it is listed by the Plastics Pipe Institute (PPI TR-4, as both PE 4710 and PE 100) and is certified to ANSI/NSF Standard 14, ANSI/NSF Standard 61, CSA B137.1 and CSA 137.4.

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