

AquaFuse ControlFlo[™] Ball Valves

High Density PE4710



Item	Operating Feature
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	32° F to 140° F / 0° 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

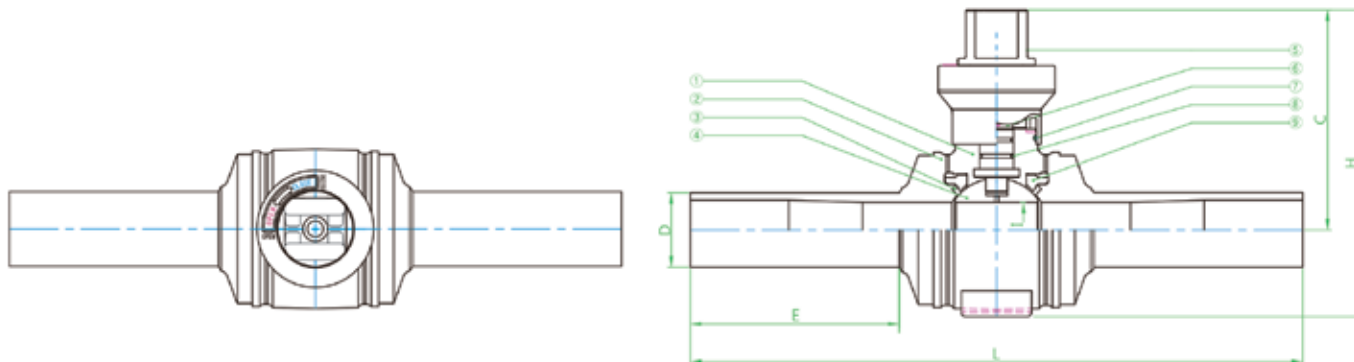
Inspection Standards

EN12201-4:2001 / ASME B16.40

ISO 9001 & ISO 14001

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Construction and Materials		
No.	Component	Material
1	Body	Polyethylene
2	End	Polyethylene
3	Ball Seal	Nitrile
4	Ball	Polypropylene
5	P.G. Operator	Acetal (POM)
6	Stem	Acetal (POM)
7	Weather Seal	Nitrile
8	Stem Seal	Nitrile
9	Retainer	Polypropylene

Part Number	Description
AFBV0200Y-MFN0-360	AquaFuse ControlFlo 2" IPS Ball Valve 4710 DR11 Full Port
AFBV0063M-MFN0-360	AquaFuse ControlFlo 63mm Ball Valve 4710 DR11 Full Port
AFBV0300Y-MFN0-360	AquaFuse ControlFlo 3" IPS Ball Valve 4710 DR11 Full Port
AFBV0090M-MFN0-360	AquaFuse ControlFlo 90mm Ball Valve 4710 DR11 Full Port

Note: All AquaFuse ball valves far exceed the minimum requirements set forth by NSF-61, EN12201-4:2001, ASME B16.40, and compatible with AWWA C901. Please contact your AquaFuse representative for a complete Test Data Package (TDP) that includes more detail on the testing that was performed.

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