

High-Performance IPS Ball Valves



Item	Operating Feature
Design Application	Water, Irrigation, Agriculture, Sewer
Sizes	1" IPS up to 16" IPS
Design/Testing	NSF-61, EN12201-4:2001, ASME B16.40, Compatible with AWWA C901 & C906
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 200 PSI
Temperature Range	-20° F to 140° F
Port Type	Full and Standard Port
Pipe Connections	Butt Fusion, Socket Fusion, or Electrofusion
Actuation	1/4 Turn to Open to Close

Construction and Materials

Component	Material
Body	Polyethylene
End	Polyethylene
Ball Seal	Nitrile
Ball	Polypropylene
Operator	Acetal (POM)
Stem	Acetal (POM)
Weather Seal	Nitrile
Stem Seal	Nitrile
Retainer	Polypropylene

Part Number	Description
HIGH PERFORMANCE TYPE 1/4 TURN	
AFBV0070Y-MFN0-000	AquaFuse ControlFlo 1" IPS Ball Valve DR11 PE4710/PE100 Full Port NPC
AFBV0080Y-MSN0-000	AquaFuse ControlFlo 1.25" IPS IPS Ball Valve DR11 PE4710/PE100 STD Port NPC
AFBV0090Y-MSN0-000	AquaFuse ControlFlo 1.50" IPS Ball Valve DR11 PE4710/PE100 STD Port NPC
AFBV0200Y-MFN0-000	AquaFuse ControlFlo 2" IPS Ball Valve DR11 PE4710/PE100 Full Port NPC
AFBV0300Y-MFN0-000	AquaFuse ControlFlo 3" IPS Ball Valve DR11 PE4710/PE100 Full Port NPC
AFBV0400Y-MFN0-000	AquaFuse ControlFlo 4" IPS Ball Valve DR11 PE4710/PE100 Full Port NPC
HIGH PERFORMANCE TYPE 1/4 TURN WITH BYPASS SYSTEM	
AFBV0400Y-MFB0-009	AquaFuse ControlFlo 4" IPS Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV0600Y-MFB0-009	AquaFuse ControlFlo 6" IPS Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV0800Y-MFB0-009	AquaFuse ControlFlo 8" IPS Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV1000Y-MFB0-009	AquaFuse ControlFlo 10" IPS Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV1200Y-MFB0-009	AquaFuse ControlFlo 12" IPS Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV1400Y-MFB0-009	AquaFuse ControlFlo 14" IPS Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV1600Y-MFB0-009	AquaFuse ControlFlo 16" IPS Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass

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 B137.4.



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