

High-Performance Metric Ball Valves



Item	Operating Feature
Design Application	Water, Irrigation, Agriculture, Sewer
Sizes	32mm up to 400mm
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	ISO Standard 16 BAR (232 PSI)
Temperature Range	-29° C to 60° C
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	
AFBV0032M-MFN0-000	AquaFuse ControlFlo 32mm Ball Valve DR11 PE4710/PE100 Full Port NPC
AFBV0040M-MSN0-000	AquaFuse ControlFlo 40mm Ball Valve DR11 PE4710/PE100 STD Port NPC
AFBV0050M-MSN0-000	AquaFuse ControlFlo 50mm Ball Valve DR11 PE4710/PE100 STD Port NPC
AFBV0063M-MFN0-000	AquaFuse ControlFlo 63mm Ball Valve DR11 PE4710/PE100 Full Port NPC
AFBV0090M-MFN0-000	AquaFuse ControlFlo 90mm Ball Valve DR11 PE4710/PE100 Full Port NPC
AFBV0110M-MFN0-000	AquaFuse ControlFlo 110mm Ball Valve DR11 PE4710/PE100 Full Port NPC
HIGH PERFORMANCE TYPE 1/4 TURN WITH BYPASS SYSTEM	
AFBV0110MY-MFB0-009	AquaFuse ControlFlo 110mm Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV0160MY-MSB0-009	AquaFuse ControlFlo 160mm Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV0200MY-MSB0-009	AquaFuse ControlFlo 200mm Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV0250MY-MFB0-009	AquaFuse ControlFlo 250mm Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV0315MY-MFB0-009	AquaFuse ControlFlo 315mm Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV0355MY-MFB0-009	AquaFuse ControlFlo 355mm Ball Valve DR11 PE4710/PE100 Full Port PC With ByPass
AFBV0400MY-MFB0-009	AquaFuse ControlFlo 400mm 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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