



Mueller Co., LLC
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CERTIFICATE OF COMPLIANCE
Material and Production Test Certification
Mueller 4-12" 2361 Resilient Wedge Gate Valves

Date: April 23, 2021

WE HEREBY CERTIFY that MUELLER CO. 4-12" A2361/T2361 Series RWGV's are manufactured and tested at the Mueller ISO 9001 registered facility in Chattanooga, TN, USA. Mueller certifies these valves are UL 262 Listed, FM 1120/1130 Approved, are certified to ANSI/NSF 61 & 372 and meet the requirements of AWWA C515. Production testing is performed in accordance with these standards and meets the following specifications.

APPROVALS / PRODUCTION TESTING						
Size	Model No.	AWWA (psi)	UL (psi)	FM (psi)	Hydro Seat Test (psi)	Hydro Shell Test (psi)
4-12"	A2361/T2361	350	350	350	525/525	700

* NOTE: FM only approves Open Left valves.

Mueller certifies that the valve body, bonnet and wedge are manufactured in a Mueller foundry in Albertville, AL or Chattanooga, TN per Mueller QA procedures; each heat is tested and certified to be within the specification shown in the chart below under a controlled program and in accordance with ASTM A536 Ductile Iron.

Ductile Iron: ASTM A536										
CHEMICAL COMPOSITION										
Element	C	Si	Mn	S	Cu	P	Cr	Ti	Pb	Mo
Minimum	3.900	2.500	0.370	-----	0.140	-----	-----	-----	-----	-----
Maximum	3.950	2.800	0.420	0.022	0.180	0.050	0.080	0.015	0.005	-----

Mueller certifies that manganese bronze stems are manufactured under a controlled program and are in accordance with ASTM B138.

Manganese Bronze ASTM B138; Alloy C67600 (H02)									
Chemical Composition							Mechanical Properties		
Element	Cu	Fe	Pb	Mn	Sn	Zn	Tensile	Yield	Elongation
Minimum	57.00	0.40	0.50	0.05	0.50	Remainder	70,000	35,000	15.00%
Maximum	60.00	1.30	1.00	0.50	1.50	Remainder	-----	-----	-----

Mueller certifies that the SBR rubber wedge material noted in the order above is manufactured under a controlled program and is in accordance with Mueller Rubber Specification R-88.

SBR (Mueller Rubber Specification R-88); ASTM D2000				
Specification	Durometer	Tensile	Elongation	Compression Set
Minimum	73	2,000	200%	0.00
Maximum	83	----	----	18.00

Mueller certifies the coating supplied with these valves is Mueller® Pro-Gard™ Epoxy Coating, an exceptional fusion bonded epoxy electrostatically applied to valve internal and external surfaces to protect against corrosion. This coating is Sienna red in color, non-toxic and suitable for use with drinking water components. Mueller valves with Pro-Gard are certified to NSF 61 and meet or exceed AWWA C550 requirements. Valves have a standard coating of ten mils nominal thickness.

Mueller certifies that components for A2361/T2361 RWGV's are manufactured in accordance with Mueller Co. QA procedures which include but are not limited to relevant dimensional, visual, and functional inspection and verification.

Respectfully,

Matthew Littell

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