

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20181213-EX15973  
**Report Reference** EX15973-20130627  
**Issue Date** 2018-DECEMBER-13

**Issued to:** JINAN MEIDE CASTING CO LTD  
Meide Science and Technology Park  
Pingyin Industrial Park  
JINAN, SHANDONG 250400 CHINA

**This certificate confirms that representative samples of** GATE VALVES  
See Addendum Pages

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** Safety for Gate Valves for Fire Protection Service, UL 262 and ULC/ORD-C262

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Gate Valve

Model	Type	Size, in (mm)	Rated Pressure, psi	End Configuration
Z41X-300	OS&Y	2,2.5,3,4,5,6,8,10, 12	300	F by F (ANSI Flange)
Z41X-250		2,2.5,3,4,5,6,8,10, 12	250	
Z41X-200		2,2.5,3,4,5,6,8,10, 12	200	
Z41X-PN16-300		2,2.5,3,4,5,6,8	300	
Z41X-PN16-250		10, 12	250	F by F (BS Flange)
Z41X-PN16-200		2,2.5,3,4,5,6,8,10,12	200	
Z45X-300	NRS	2.5,3,4,5,6,8,10, 12	300	F by F (ANSI Flange)
Z45X-250		2.5,3,4,5,6,8,10, 12	250	
Z45X-200		2.5,3,4,5,6,8,10, 12	200	
Z45X-PN16-300		2.5,3,4,5,6,8	300	F by F (BS Flange)
Z45X-PN16-250		10, 12	250	
Z45X-PN16-200		2.5,3,4,5,6,8,10,12	200	
Z81X-300	OS&Y	2,2.5,3,4,5,6,8,10, 12	300	G by G
Z81X-250		2,2.5,3,4,5,6,8,10, 12	250	
Z81X-200		2,2.5,3,4,5,6,8,10, 12	200	
Z81X-PN16-300		2,2.5,3,4,5,6,8	300	G by G
Z81X-PN16-250		10, 12	250	
Z81X-PN16-200		2,2.5,3,4,5,6,8,10,12	200	
Z85X-300	NRS	2.5,3,4,5,6,8,10, 12	300	G by G
Z85X-250		2.5,3,4,5,6,8,10, 12	250	
Z85X-200		2.5,3,4,5,6,8,10, 12	200	
Z85X-PN16-300		2.5,3,4,5,6,8	300	G by G
Z85X-PN16-250		10, 12	250	
Z85X-PN16-200		2.5,3,4,5,6,8,10,12	200	
Z51X-300	OS&Y	2,2.5,3,4,5,6,8,10, 12	300	F by G (ANSI Flange)
Z51X-250		2,2.5,3,4,5,6,8,10, 12	250	
Z51X-200		2,2.5,3,4,5,6,8,10, 12	200	
Z51X-PN16-300		2,2.5,3,4,5,6,8	300	F by G (BS Flange)
Z51X-PN16-250		10, 12	250	
Z51X-PN16-200		2,2.5,3,4,5,6,8,10,12	200	
Z55X-300	NRS	2.5,3,4,5,6,8,10, 12	300	F by G (ANSI Flange)
Z55X-250		2.5,3,4,5,6,8,10, 12	250	



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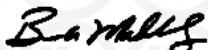


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Z55X-200	2.5,3,4,5,6,8,10,12	200	F by G (BS Flange)
Z55X-PN16-300	2.5,3,4,5,6,8	300	
Z55X-PN16-250	10,12	250	
Z55X-PN16-200	2.5,3,4,5,6,8,10,12	200	

Model	Type	Size, in	Rated Pressure, psi	End configuration
Z31X-300	OS&Y	2,3,4,6,8,10,12	300	MJ by MJ
Z31X-250			250	
Z31X-200			200	
XZ81X-300		2,2.5,3,4,5,6,8,10,12	300	G by G
XZ81X-250			250	
XZ81X-200			200	
XZ81X-PN16		2,2.5,3,4,5,6,8,10,12	232	F by F (BS)
XZ41X-PN16-300		2,2.5,3,4,5,6,8	300	
XZ41X-PN16-250		10,12	250	
XZ41X-PN16		2,2.5,3,4,5,6,8,10,12	232	
XZ41X-PN10		8,10,12	175	
Z41X-PN16		2,2.5,3,4,5,6,8,10,12	232	
Z41X-PN10		8,10,12	175	F by F (DIN)
Z41X-F4-PN16		2,2.5,3,4,5,6,8,10,12	232	
Z41X-F4-PN10		8,10,12	175	
XZ41X-F4-PN16		2,2.5,3,4,5,6,8,10,12	232	
XZ41X-F4-PN10		8,10,12	175	F by F (ANSI)
XZ41X-300		2,2.5,3,4,5,6,8,10,12	300	
XZ41X-250			250	
XZ41X-200			200	
Z35X-300	NRS	3,4,6,8,10,12	300	MJ by MJ
Z35X-250			250	
Z35X-200			200	
Z35XC-300			300	
Z35XC-250		250	G by G	
Z35XC-200		200		
Z35XC-2-300		300		
Z35XC-2-250		4,6,8,10,12	250	
Z35XC-2-200		200		
Z85XC-2-300		4,5,6,8,10,12	300	
Z85XC-2-250			250	



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Z85XC-2-200			200	
Z45X-1-F4-PN16		2.5,3,4,5,6,8,10,12	232	F by F (DIN)
Z45X-1-F4-PN10		8,10,12	175	
Z45X-1-PN16		2.5,3,4,5,6,8,10,12	232	F by F (BS)
Z45X-1-PN10		8,10,12	175	
Z45X-1-PN16-300		2.5,3,4,5,6,8	300	
Z45X-1-PN16-250		10,12	250	
Z45XC-F4-PN16		2.5,3,4,5,6,8,10,12	232	F by F (DIN)
Z45XC-F4-PN10		8,10,12	175	

Model	Type	Size, in	Rated Pressure, psi	End configuration
Z45XC-PN16		2.5,3,4,5,6,8,10,12	232	F by F (BS)
Z45XC-PN10		8,10,12	175	
Z45XC-PN16-300		2.5,3,4,5,6,8	300	
Z45XC-PN16-250		10,12	250	
Z45XC-300			300	F by F (ANSI)
Z45XC-250		2.5,3,4,5,6,8,10,12	250	
Z45XC-200			200	
Z45XC-2-300			300	
Z45XC-2-250		4,5,6,8,10,12	250	
Z45XC-2-200			200	
Z45XC-2-PN16-300		4,5,6,8	300	F by F (BS)
Z45XC-2-PN16-250		10,12	250	
Z45XC-2-PN16		4,5,6,8,10,12	232	
Z45XC-2-PN10		8,10,12	175	F by F (DIN)
Z45XC-2-F4-PN16		4,5,6,8,10,12	232	
Z45XC-2-F4-PN10		8,10,12	175	F by F (BS)
Z45X-PN16		2.5,3,4,5,6,8,10,12	232	
Z45X-PN10		8,10,12	175	F by F (DIN)
Z45X-F4-PN16		2.5,3,4,5,6,8,10,12	232	
Z45X-F4-PN10		8,10,12	175	
Z01X	OS&Y	2,3,4,6,8,10,12	300	F BY MJ
			250	
			200	
Z05X	NRS	3,4,6,8,10,12	300	F BY MJ
			250	
			200	

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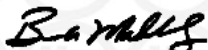
Z05XC	NRS	3,4,6,8,10,12	300	F BY MJ
			250	
			200	
Z05XC-2	NRS	4,6,8,10,12	300	F BY MJ
			250	
			200	

**Note:**  
 OS&Y – Outside Stem and Yoke, NRS – Non-rising Stem  
 G- Grooved, F-Flange, MJ- Mechanical joint

ANSI Flange complies with ANSI B16.1 Class125; has alternative construction with EN1092-2, PN16/PN10 bolt hole.  
 Groove complies with AWWA C606.  
 BS Flange complies with EN1092-2 PN16.  
 DIN Flange complies with DIN EN1092-2 PN16.

Model	Type	Size, in	Rated Pressure, psi	End configuration
XZ01X	OS&Y	3,4,6,8,10,12	300	F BY MJ
			250	
			200	
XZ31X	OS&Y	2,3,4,6,8,10,12	300	MJ BY MJ
			250	
			200	
XZ51X	OS&Y	2,2-1/2,3,4,5,6,8,10,12	300	F BY G
			250	
			200	

**Note:**  
 F-Flange  
 G, Grooved  
 MJ- Mechanical joint  
 Model XZ01X, XZ31X and XZ51X are operated by handwheel.



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Model	Type	Size, in.	Rated Pressure, psi	End configuration
XZ41X-250	OS&Y	14, 16, 18, 20, 24	250	F by F (ANSI Flange)
XZ41X-200			200	
XZ41X-175			175	
XZ41X-PN16			232	F by F (BS Flange)
XZ41X-PN10			175	
Z45X-250	NRS	14, 16, 18, 20, 24	250	F by F (ANSI Flange)
Z45X-200			200	
Z45X-175			175	
Z45XC-250			250	F by F (ANSI Flange)
Z45XC-200			200	
Z45XC-175			175	
Z45X-PN16			232	F by F (BS Flange)
Z45X-PN10			175	
Z45XC-PN16			232	
Z45XC-PN10			175	

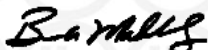
Model	Type	Size, in.	Rated Pressure, psi	End configuration
Z45XC-2-250	NRS	14, 16, 18, 20, 24	250	F by F (ANSI Flange)
Z45XC-2-200			200	
Z45XC-2-175			175	
Z45XC-2-PN16			232	F by F (BS Flange)
Z45XC-2-PN10			175	

Note:

OS&Y – Outside Stem and Yoke, NRS – Non-rising Stem

ANSI Flange comply with ANSI B16.1 CLASS125

BS Flange comply with EN1092-2 PN10/PN16



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