



شركة أزيدك  
لأجهزة السلامة

## Title

Material Submittal for Fire  
Valves

## Brand

APC



شركة أزيدك  
لأجهزة السلامة

# Index

- **Technical Data Sheets (Catalogues).**
- **UL Certificates.**
- FM Approval.



شركة أزيدك  
لأجهزة السلامة

# *Technical Data Sheets (Catalogues).*

الإدارة: جدة - حي الصفا - شارع الأمير ماجد - الصفا بلازا - مبنى A الدور الثالث مكتب 340 - س.ت: 403026741 - هاتف - 6342166 - 0126880407 -

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المعرض | : جدة - شارع البلدية - مركز الفانوس | المعرض 2: مكة - شارع الحج

الفروع: الرياض - ينبع - المدينة - الطائف - خميس مشيط - الدمام

info@azeidk.com www.Azeidk.com

## 200PSI OS&Y Flanged End Gate Valve

Model: Z41

### Resilient Wedge OS&Y Gate Valve – Flanged End

#### Technical Features

- Nominal Pressure: 200PSI
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB / T9113.1
- Face to Face Standard: ASME B16.10
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12" with FM UL CUL
- 14", 16" with FM only
- Approvals: FM, UL, CUL, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 200PSI (Maximum Testing Pressure: 400 PSI) conforms to UL 262, ULC / ORD C262-92 , FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

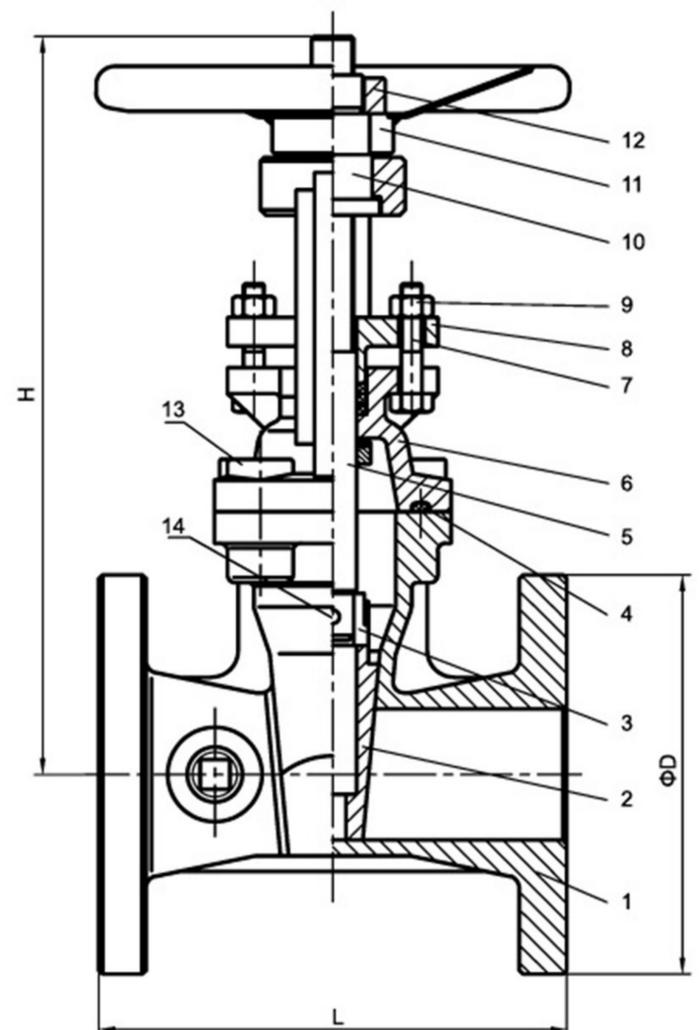


#### Valve Material List

NO.	Name	Material	Standard
1	Body	Ductile Iron	ASTM A536 65-45-12
2	Disc	Ductile Iron +EPDM	ASTM A536 65-45-12 +ASTM D2000
3	Connecting Part	C95400	ASTM B148
4	Sealing Pad	EPDM	ASTM D2000
5	Stem	Stainless Steel 304	ASTM A276
6	Yoke	Ductile Iron	ASTM A536 65-45-12
7	Bolt	Steel 1045	ASTM A29
8	Gland	Ductile Iron	ASTM A536 65-45-12
9	Nut	Steel 1045	ASTM A29
10	Rotating Nut	C95400	ASTM B148
11	Handwheel	Steel 1045	ASTM A29
12	Lock Nut	Steel 1045	ASTM A29
13	Countersunk Head Bolt	Steel 1045	ASTM A29
14	Cylinder Pin	Stainless Steel 304	ASTM A276

#### Dimensions

Size	L	H	øD
2"	178	313	152
2½"	190	340	178
3"	203	387	191
4"	229	440	229
5"	254	546	254
6"	267	607	279
8"	292	786	343
10"	330	946	406
12"	356	1110	483



## 300PSI OS&Y Grooved End Gate Valve

Model: Z81-300

### Resilient Wedge OS & Y Gate valve – Grooved End

#### Technical Features

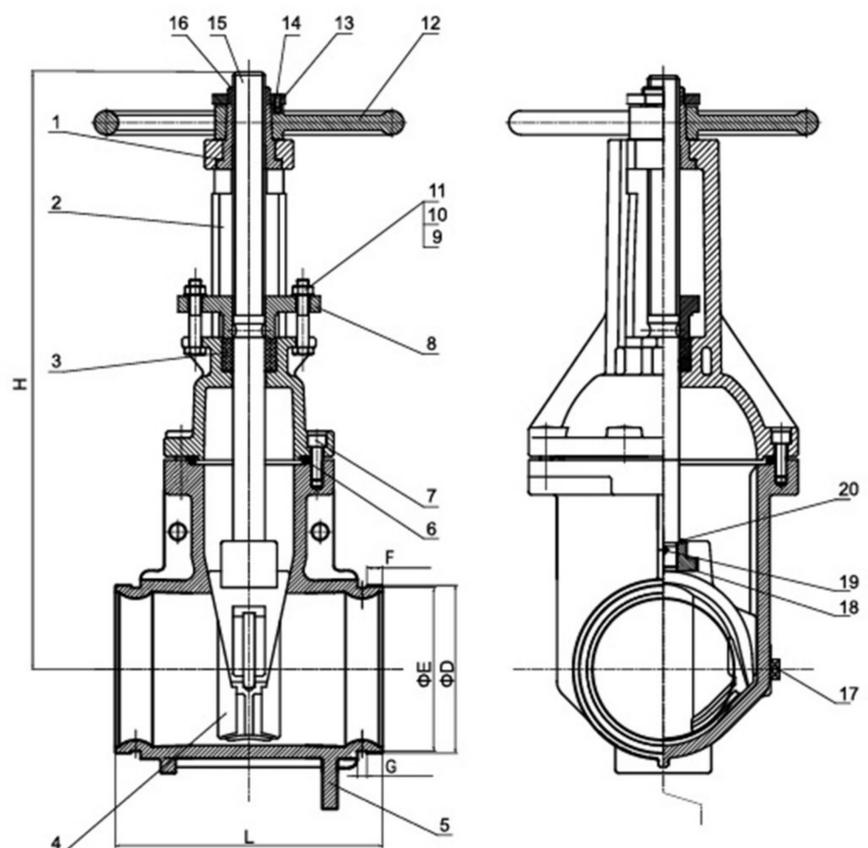
- Nominal Pressure: 300PSI
- Groove standard: Metric or ANSI / AWWA C606
- Face to Face Standard: ASME B16.10
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600 PSI) conforms to UL 262, ULC / ORD C 262-92 , FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

#### Valve Material List

NO.	Name	Material	Standard
1	Gasket	Stainless Steel 304 or C95400	ASTM B148
2	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
3	Packing	Graphite	
4	Disc	Ductile Iron +EPDM	ASTM A536 Grade 65-45-12+ASTM D2000
5	Body	Ductile Iron	ASTM A536 Grade 65-45-12
6	Sealing Ring	EPDM	ASTM D2000
7	Bolt	Stainless Steel 304 or Steel 1045	ASTM A29
8	Gland	Ductile Iron	ASTM A536 Grade 65-45-12
9	Nut	Stainless Steel 304 or Steel 1045	ASTM A29
10	Flat Washer	Stainless Steel 304 or Steel 1045	ASTM A29
11	Bolt	Stainless Steel 304 or Steel 1045	ASTM A29
12	Handwheel	Ductile Iron	ASTM A536 Grade 65-45-12
13	Lock Nut	C95400	ASTM B148
14	Locating Screw	Stainless Steel 304 or Steel 1045	ASTM A276
15	Stem	Stainless Steel 304 or C95400	ASTM A276
16	Stem Nut	C95400	ASTM B148
17	Plug	C95400	ASTM B148
18	Lifting Nut	CF8/CF8M or C95400	ASTM A351
19	Pin	Stainless Steel 304	ASTM A276
20	Sealing Ring	EPDM	ASTM D2000

#### Dimensions

Size	DN	L	F	D	E	G	H
2½"	65	190	15.9	73	69.1	7.9	370
				76.1	72.3		
3"	80	203	15.9	88.9	84.9	7.9	420
4"	100	229	15.9	114.3	110.1	9.5	447
5"	125	254	15.9	139.7	135.5	9.5	547
				141.3	137		
6"	150	267	15.9	165.1	160.8	9.5	607
				168.3	163.9		
8"	200	292	19	216.3	211.6	11.1	754
10"	250	330	19	219.1	214.3	12.7	890
				273	268.3		
12"	300	356	19	323.9	318.3	12.7	1031



## 300PSI OS&Y Flanged End Gate Valve

Model: Z41-300

### Resilient Wedge OS & Y Gate valve – Flanged End

#### Technical Features

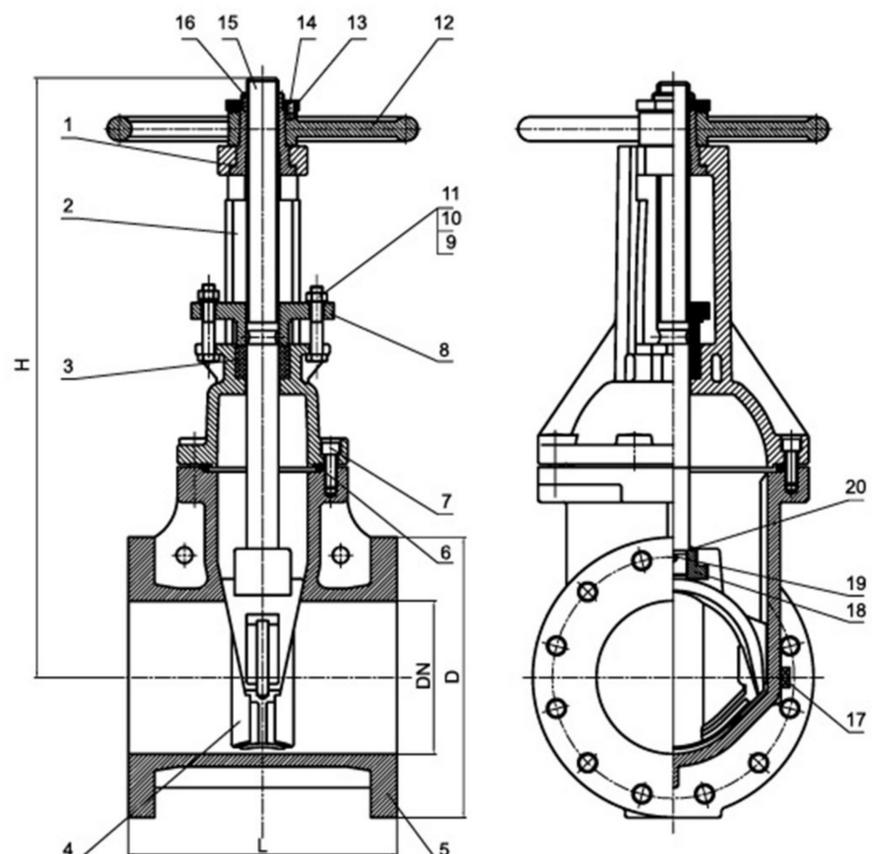
- Nominal Pressure: 300PSI
- Flange Standard: ASME / ANSI B 16.1 Class 125 or ASME / ANSI B 16.42 Class 150 or BS EN 1092-2 PN 16 or GB / T9113.1
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard : ASME B 16.10
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372, CCC
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600 PSI) conforms to UL 262, ULC / ORD C 262-92 , FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

#### Valve Material List

NO.	Name	Material	Standard
1	Gasket	C95400	ASTM B148
2	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
3	Packing	Graphite	
4	Disc	Ductile Iron +EPDM	ASTM A536 Grade 65-45-12+ASTM D2000
5	Body	Ductile Iron	ASTM A536 Grade 65-45-12
6	Sealing Ring	EPDM	ASTM D2000
7	Bolt	Steel 1045	ASTM A29
8	Gland	Ductile Iron	ASTM A536 Grade 65-45-12
9	Nut	Steel 1045	ASTM A29
10	Flat Washer	Steel 1045	ASTM A29
11	Bolt	Steel 1045	ASTM A29
12	Handwheel	Ductile Iron	ASTM A536 Grade 65-45-12
13	Lock Nut	C95400	ASTM B148
14	Locating Screw	Stainless Steel 304	ASTM A276
15	Stem	Stainless Steel 304	ASTM A276
16	Stem Nut	C95400	ASTM B148
17	Plug	C95400	ASTM B148
18	Lifting Nut	CF8	ASTM A351
19	Pin	Stainless Steel 304	ASTM A276
20	Sealing Ring	EPDM	ASTM D2000

#### Dimensions

Size	DN	L	D	H
2½"	65	190	178	370
3"	80	203	191	420
4"	100	229	229	447
5"	125	254	254	547
6"	150	267	279	607
8"	200	292	343	754
10"	250	330	406	890
12"	300	356	483	1031



## 300PSI Flanged Swing Check Valve

Model: MH-XQH-300

### Flanged End

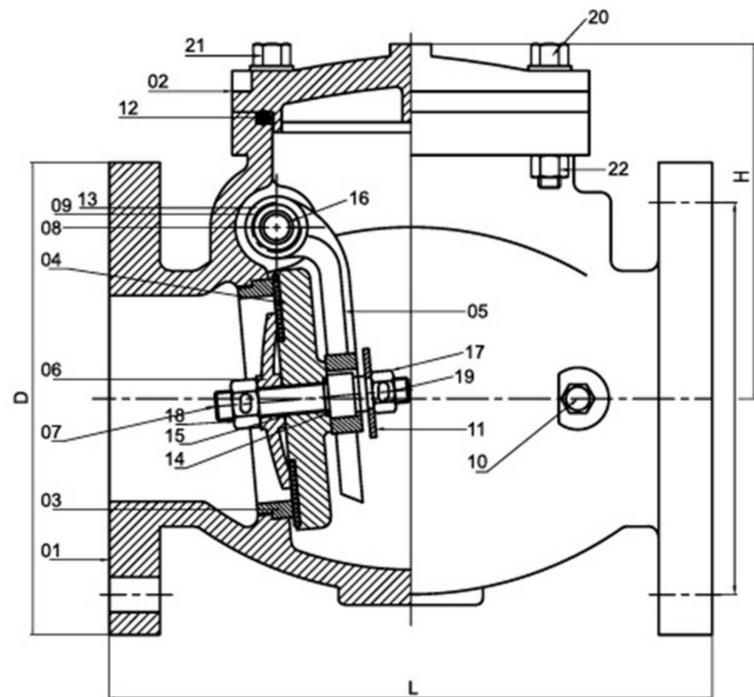
#### Technical Features

- Nominal Pressure: 300PSI
- Conforms: AWWA C508
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB / T9113.1
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard: ASME B16.10
- Approvals: UL, FM
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL 312 & FM class 1210
- Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Applications:  
Used both vertically and horizontally;  
Used in one-way flow pipeline to prevent the water from back flow



#### Valve Material List

NO.	Name	Material	Standard
1	Body	Ductile Iron	ASTM A536 65-45-12
2	Bonnet	Ductile Iron	ASTM A536 65-45-12
3	Seat Ring	C95400	ASTM A148
4	Disc	Ductile Iron+EPDM	ASTM A536 65-45-12+ASTM D2000
5	Rocker Arm	Ductile Iron	ASTM A536 65-45-12
6	Baffle Plate	C95400	ASTM A148
7	Middle Stem	Stainless Steel 304	ASTM A276
8	Stem	Stainless Steel 304	ASTM A276
9	Bracket Screw	Stainless Steel 304	ASTM A276
10	Plug	C95400	ASTM A148
11	Gasket	Stainless Steel 304	ASTM A276
12	O-ring	EPDM	ASTM D2000
13	O-ring	EPDM	ASTM D2000
14	O-ring	EPDM	ASTM D2000
15	O-ring	EPDM	ASTM D2000
16	Bronze Bushing	Powder Metallurgy	
17	Nut	Stainless Steel 304	ASTM A276
18	Nut	Stainless Steel 304	ASTM A276
19	Cotter Pin	Stainless Steel 304	ASTM A276
20	Bolt	Steel 1045	ASTM A29
21	Bolt	Steel 1045	ASTM A29
22	Nut	Steel 1045	ASTM A29



#### Dimensions

Size	DN	L	D	H
2"	DN50	203	152	142
2½"	DN65	216	178	148
3"	DN80	241	191	163.5
4"	DN100	292	229	172
5"	DN125	330	254	237
6"	DN150	356	279	233
8"	DN200	495	343	301
10"	DN250	622	406	348
12"	DN300	698	483	419

## 350PSI Grooved Swing Check Valve

Model: MH-XQH-350G

### Grooved End

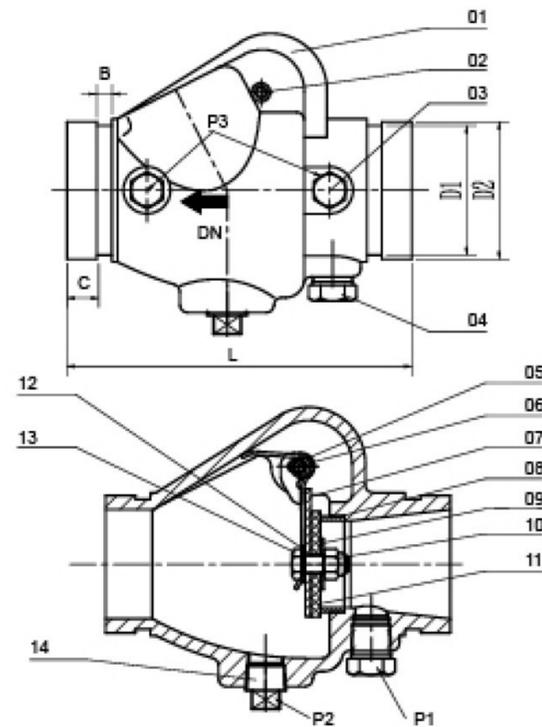
#### Technical Features

- Nominal Pressure: 350PSI
- Groove standard : ANSI / AWWA C606 or Metric
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, FM
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB / T9113.1
- Maximum Working Pressure: 350PSI (Maximum Testing Pressure: 700 PSI) conforms to UL 312 & FM class 1210
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Applications: Used in one-way flow pipeline to prevent the water from back flow
- Other Connections: Flange\*Flange; Groove\*Flange; Flange\*Groove



#### Valve Material List

NO.	Name	Material
1	Valve Body	Ductile Iron
2	Bolt	Steel 1045
3	Plug	Steel 1045
4	Plug	Steel 1045
5	Spring	Stainless Steel 304
6	Hinge Pin	Stainless Steel 304/Ductile Iron
7	Clapper	Stainless Steel 304
8	Seat	C95400
9	Clamping Ring	Stainless Steel 304
10	Locknut	Stainless Steel 304
11	Facing Seal	EPDM
12	Gasket	EPDM
13	Bolt	Stainless Steel 304
14	Plug	Steel 1045



#### Dimensions

Size	L	D1	D2	B	C	P1			P2				P3		
2"	169	57.15	60.3	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT
2½"	181	69.09	73	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
		72.26	76.1			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT
3"	198	84.94	88.9	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT
4"	214	110.08	114.3	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
		137.03	141.3			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT
5"	248	135.48	139.7	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
		137.03	141.3			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT
6"	270	160.78	165.1	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
		163.96	168.3			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT
8"	325	211.6	216.3	11.13	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
		214.4	219.1			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT
10"	457	268.3	273	12.7	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
		268.3	273			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT
12"	535	318.3	323.9	12.7	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ¼-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc⅝-19	Rc½-14
		318.3	323.9			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ¼-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	⅝-18NPT	½-14NPT

## 300PSI NRS Flanged End Gate Valve

Model: Z45-300

### Resilient Wedge NRS Gate valve – Flanged End

#### Technical Features

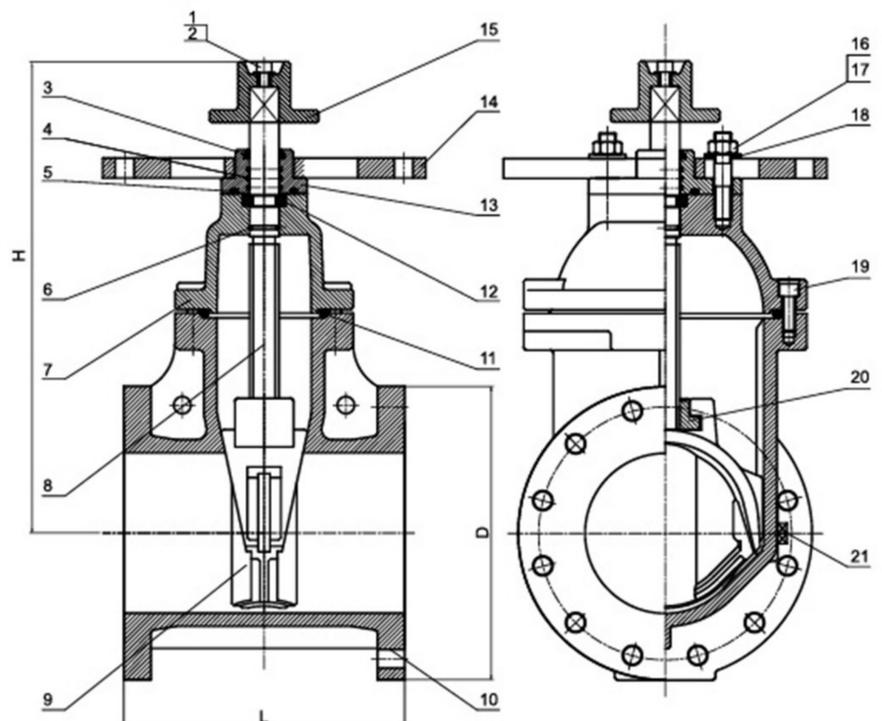
- Nominal Pressure: 300PSI
- Flange Standard: ASME / ANSI B16.1 Class 125 or ASME / ANSI B16.42 Class 150 or BS EN1092-2 PN16 or GB / T9113.1
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard: ASME B16.10
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372, CCC
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) conforms to UL262, ULC / ORD C262-92, FM 1120 / 1130
- Maximum Working Temperature: 80°C / 176°F
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or Coating upon request
- NPT plug on body with 2 operating nuts
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

#### Valve Material List

NO.	Name	Material	Standard
1	Flat Washer	Steel 1045 or Stainless Steel 304	ASTM A29 or ASTM A276
2	Inner Hexagon Screw	Steel 1045 or Stainless Steel 304	ASTM A29 or ASTM A276
3	Sealing Gland	EPDM	ASTM D2000
4	O-Ring	EPDM	ASTM D2000
5	Sealing Ring	EPDM	ASTM D2000
6	O-Ring	EPDM	ASTM D2000
7	Bonnet	Ductile Iron	ASTM A536 Grade 65-45-12
8	Stem	Stainless Steel 304	ASTM A276
9	Disc	Ductile Iron +EPDM	ASTM A536 Grade 65-45-12+ASTM D2000
10	Body	Ductile Iron	ASTM A536 Grade 65-45-12
11	Sealing Ring	EPDM	ASTM D2000
12	Retaining Ring	C95400	ASTM B148
13	Gland	Ductile Iron	ASTM A536 Grade 65-45-12
14	Terminal Pad	Ductile Iron	ASTM A536 Grade 65-45-12
15	Link Block	Ductile Iron	ASTM A536 Grade 65-45-12
16	Nut	Stainless Steel 304 or Steel 1045	ASTM A276 or ASTM A29
17	Studs	Stainless Steel 304 or Steel 1045	ASTM A276 or ASTM A29
18	Washer	Steel 1045	ASTM A29
19	Inner Hexagon Screw	Steel 1045	ASTM A29
20	Master Screw	C95400	ASTM B148
21	Plug	C95400	ASTM B148

#### Dimensions

Size	DN	L	D	H
2½"	65	190	178	292
3"	80	203	191	322
4"	100	229	229	342
5"	125	254	254	412
6"	150	267	279	448
8"	200	292	343	534
10"	250	330	406	635
12"	300	356	483	720





شركة أزيدك  
لأجهزة السلامة

# *UL Certificates.*

الإدارة: جدة - حي الصفا - شارع الأمير ماجد - الصفا بلازا - مبنى A الدور الثالث مكتب 340 - س.ت: 403026741 - هاتف - 6342166 - 0126880407 -

فاكس تحويلة: 111-: 0581444606

المعرض | : جدة - شارع البلدية - مركز الفانوس | المعرض 2: مكة - شارع الحج

الفروع: الرياض - ينبع - المدينة - الطائف - خميس مشيط - الدمام

info@azeidk.com www.Azeidk.com

# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L15667-21791-10013102-0  
**Report Reference** EX15667-20131001  
**Date** 17-Jan-2023

**Issued to:** Ningjin APC Industries Incorporated Company  
18 OF TAISHAN RD NINGJIN, SHANDONG 253400  
China

**This is to certify that  
representative samples of**

HMRZ - Gate Valves  
See Addendum Page for Product Designation(s).

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

**Standard(s) for Safety:** UL 262 - Standard for Gate Valves for Fire-Protection  
Service

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

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides 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.

*Deborah Jennings-Conner*

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L15667-21791-10013102-0  
**Report Reference** EX15667-20131001  
**Date** 17-Jan-2023

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

Model	Category Description
Z41	Gate Valves
Z41-200	Gate Valves
Z41-300	Gate Valves
Z41-300A	Gate Valves
Z45	Gate Valves
Z45-200	Gate Valves
Z45-300	Gate Valves
Z45-300A	Gate Valves
Z45-300FJA	Gate Valves
Z45-300MJA	Gate Valves
Z481	Gate Valves
Z481-200	Gate Valves
Z481-300	Gate Valves
Z481-300A	Gate Valves
Z485	Gate Valves
Z485-200	Gate Valves
Z485-300	Gate Valves
Z485-300A	Gate Valves
Z81	Gate Valves
Z81-200	Gate Valves
Z81-300	Gate Valves
Z81-300A	Gate Valves
Z85	Gate Valves
Z85-200	Gate Valves
Z85-300	Gate Valves
Z85-300A	Gate Valves

*Deborah Jennings-Conner*

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-L15667-21821-10013102-1  
**Report Reference** EX15667-20131001  
**Date** 17-Jan-2023

**Issued to:** Ningjin APC Industries Incorporated Company  
18 OF TAISHAN RD NINGJIN, SHANDONG 253400  
China

**This is to certify that  
representative samples of**

HMRZ7 - Gate Valves Certified for Canada  
See Addendum Page for Product Designation(s).

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

**Standard(s) for Safety:** ULC/ORD C262-92 - Standard for Gate-Valves for Fire-  
Protection Service

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

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Look for the UL Certification Mark on the product.

*Deborah Jennings-Conner*

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-L15667-21821-10013102-1  
**Report Reference** EX15667-20131001  
**Date** 17-Jan-2023

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

Model	Category Description
Z41	Gate Valves
Z41-200	Gate Valves
Z41-300	Gate Valves
Z41-300A	Gate Valves
Z45	Gate Valves
Z45-200	Gate Valves
Z45-300	Gate Valves
Z45-300A	Gate Valves
Z45-300FJA	Gate Valves
Z45-300MJA	Gate Valves
Z481	Gate Valves
Z481-200	Gate Valves
Z481-300	Gate Valves
Z481-300A	Gate Valves
Z485	Gate Valves
Z485-200	Gate Valves
Z485-300	Gate Valves
Z485-300A	Gate Valves
Z81	Gate Valves
Z81-200	Gate Valves
Z81-300	Gate Valves
Z81-300A	Gate Valves
Z85	Gate Valves
Z85-200	Gate Valves
Z85-300	Gate Valves
Z85-300A	Gate Valves

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-2247456-0  
**Report Reference** EX16384-20141023  
**Date** 17-Jan-2023

**Issued to:** Ningjin APC Industries Incorporated Company  
18 OF TAISHAN RD NINGJIN, SHANDONG 253400  
China

**This is to certify that  
representative samples of**

HMER7 - Check Valves Certified for Canada  
See Addendum Page for Product Designation(s).

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

**Standard(s) for Safety:** UL/ULC 312, Edition: 11, Issue Date: 2022-6-2

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

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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# CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2247456-0  
Report Reference EX16384-20141023  
Date 17-Jan-2023

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

Model	Category Description
MH-XQH-300	Swing
MH-XQH-350F	Swing
MH-XQH-350G	Swing
MH-XQH-350GF-A	Swing
MH-XQH-350GF-B	Swing

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L16384-21771-32014102-3  
**Report Reference** EX16384-20141023  
**Date** 17-Jan-2023

**Issued to:** Ningjin APC Industries Incorporated Company  
18 OF TAISHAN RD NINGJIN, SHANDONG 253400  
China

**This is to certify that representative samples of** HMER - Check Valves  
See Addendum Page for Product Designation(s).

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

**Standard(s) for Safety:** UL/ULC 312, Edition: 11, Issue Date: 2022-6-2

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

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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Look for the UL Certification Mark on the product.

*Deborah Jennings-Conner*

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L16384-21771-32014102-3  
**Report Reference** EX16384-20141023  
**Date** 17-Jan-2023

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

Model	Category Description
MH-XQH-300	Swing
MH-XQH-350F	Swing
MH-XQH-350G	Swing
MH-XQH-350GF-A	Swing
MH-XQH-350GF-B	Swing

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-L15667-21821-10013102-1  
**Report Reference** EX15667-20131001  
**Date** 17-Jan-2023

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

Model	Category Description
Z41	Gate Valves
Z41-200	Gate Valves
Z41-300	Gate Valves
Z41-300A	Gate Valves
Z45	Gate Valves
Z45-200	Gate Valves
Z45-300	Gate Valves
Z45-300A	Gate Valves
Z45-300FJA	Gate Valves
Z45-300MJA	Gate Valves
Z481	Gate Valves
Z481-200	Gate Valves
Z481-300	Gate Valves
Z481-300A	Gate Valves
Z485	Gate Valves
Z485-200	Gate Valves
Z485-300	Gate Valves
Z485-300A	Gate Valves
Z81	Gate Valves
Z81-200	Gate Valves
Z81-300	Gate Valves
Z81-300A	Gate Valves
Z85	Gate Valves
Z85-200	Gate Valves
Z85-300	Gate Valves
Z85-300A	Gate Valves

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L15667-21791-10013102-0  
**Report Reference** EX15667-20131001  
**Date** 17-Jan-2023

**Issued to:** Ningjin APC Industries Incorporated Company  
18 OF TAISHAN RD NINGJIN, SHANDONG 253400  
China

**This is to certify that  
representative samples of**

HMRZ - Gate Valves  
See Addendum Page for Product Designation(s).

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

**Standard(s) for Safety:** UL 262 - Standard for Gate Valves for Fire-Protection  
Service

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

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Z45	Gate Valves
Z45-200	Gate Valves
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Z45-300A	Gate Valves
Z45-300FJA	Gate Valves
Z45-300MJA	Gate Valves
Z481	Gate Valves
Z481-200	Gate Valves
Z481-300	Gate Valves
Z481-300A	Gate Valves
Z485	Gate Valves
Z485-200	Gate Valves
Z485-300	Gate Valves
Z485-300A	Gate Valves
Z81	Gate Valves
Z81-200	Gate Valves
Z81-300	Gate Valves
Z81-300A	Gate Valves
Z85	Gate Valves
Z85-200	Gate Valves
Z85-300	Gate Valves
Z85-300A	Gate Valves

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**Report Reference** EX15667-20131001  
**Date** 17-Jan-2023

**Issued to:** Ningjin APC Industries Incorporated Company  
18 OF TAISHAN RD NINGJIN, SHANDONG 253400  
China

**This is to certify that  
representative samples of**

HMRZ7 - Gate Valves Certified for Canada  
See Addendum Page for Product Designation(s).

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

**Standard(s) for Safety:** ULC/ORD C262-92 - Standard for Gate-Valves for Fire-  
Protection Service

**Additional Information:** See the UL Online Certifications Directory at  
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Z45-300A	Gate Valves
Z45-300FJA	Gate Valves
Z45-300MJA	Gate Valves
Z481	Gate Valves
Z481-200	Gate Valves
Z481-300	Gate Valves
Z481-300A	Gate Valves
Z485	Gate Valves
Z485-200	Gate Valves
Z485-300	Gate Valves
Z485-300A	Gate Valves
Z81	Gate Valves
Z81-200	Gate Valves
Z81-300	Gate Valves
Z81-300A	Gate Valves
Z85	Gate Valves
Z85-200	Gate Valves
Z85-300	Gate Valves
Z85-300A	Gate Valves

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شركة أزيدك  
لأجهزة السلامة

# *FM-Approval.*

الإدارة: جدة - حي الصفا - شارع الأمير ماجد - الصفا بلازا - مبنى A الدور الثالث مكتب 340 - س.ت: 403026741 - هاتف - 6342166 - 0126880407 -

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المعرض | : جدة - شارع البلدية - مركز الفانوس | المعرض 2: مكة - شارع الحج

الفروع: الرياض - ينبع - المدينة - الطائف - خميس مشيط - الدمام

info@azeidk.com www.Azeidk.com



# Certificate of Compliance

This certificate is issued for the following:

## Fire Service Water Control Valves (OS&Y and NRS Type Gate Valves)

### Outside Screw and Yoke Type (OS&Y)

Models Z41, Z41-300, Z41-300A, Z81, Z81-300, Z81-300A, Z481, Z481-300, Z481-300A

And

### Non-Rising Stem Type (NRS)

Models Z45, Z45-300, Z45-300A, Z45-MJA, Z45-FJA, Z85, Z85-300, Z85-300A, Z485, Z485-300, Z485-300A

#### Prepared for:

Ningjin APC Industries Incorporated Company  
No 18 of Taishan Road,  
Ningjin, Shandong 253400,  
China

#### Manufactured at:

Ningjin APC Industries Incorporated Company  
No 18 of Taishan Road,  
Ningjin, Shandong 253400,  
China

Approval Standard: FM 1120, 1130 (April 1997)

Approval Identification: PR449564

Approval Granted: 7 May 2018

Revision Request: RR236436

Date Authorized: 23 March 2023

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in dark ink, appearing to read 'D. B. Fuller', written over a horizontal line.

David B. Fuller  
VP, Manager – Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062



Member of the FM Global Group





# Certificate of Compliance

This certificate is issued for the following:

## Swing Check Valves

**Models MH-XQH-300, MH-XQH-350GF-A, MH-XQH-350GF-B, MH-XQH-350F, MH-XQH-350G**

### Prepared for:

Ningjin APC Industries Incorporated Company  
No 18 of Taishan Road,  
Ningjin, Shandong 253400,  
China

### Manufactured at:

Ningjin APC Industries Incorporated Company  
No 18 of Taishan Road,  
Ningjin, Shandong 253400,  
China

Approval Standard: FM 1210 (June 2004)

Approval Identification: 3057989  
Revision Request: RR236436

Approval Granted: 27 March 2019  
Date Authorized: 23 March 2023

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

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David B. Fuller  
VP, Manager – Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062



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# Certificate of Compliance

This certificate is issued for the following:

## Fire Service Water Control Valves (OS&Y and NRS Type Gate Valves)

### Outside Screw and Yoke Type (OS&Y)

Models Z41, Z41-300, Z41-300A, Z81, Z81-300, Z81-300A, Z481, Z481-300, Z481-300A

And

### Non-Rising Stem Type (NRS)

Models Z45, Z45-300, Z45-300A, Z45-MJA, Z45-FJA, Z85, Z85-300, Z85-300A, Z485, Z485-300, Z485-300A

#### Prepared for:

Ningjin APC Industries Incorporated Company  
No 18 of Taishan Road,  
Ningjin, Shandong 253400,  
China

#### Manufactured at:

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Ningjin, Shandong 253400,  
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