

NINGJIN APC INDUSTRIES®



300PSI OS&Y Flanged End Gate Valve

Model: Z41-300

Resilient Wedge OS & Y Gate Valve – Flanged End

Technical Features

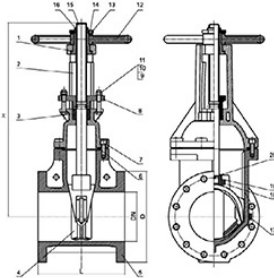
- Nominal Pressure: 300PSI
- Flange Standard: ASME / ANSI B 16.1 Class 125 or ASME / ANSI B 16.42 Class 150 or BS EN 1092-2 PN 16 or GB / T9113.1
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard: ASME B 16.10
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372, CCC
- Maximum Working 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	CS6400	ASTM B148
2	Bonnet	Ductile Iron	ASTM A538 Grade 65-45-12
3	Packing	Graphite	
4	Disc	Ductile Iron +EPDM	ASTM A538 Grade 65-45-12+ASTM D2000
5	Body	Ductile Iron	ASTM A538 Grade 65-45-12
6	Sealing Ring	EPDM	ASTM D2000
7	Bolt	Steel 1045	ASTM A29
8	Gland	Ductile Iron	ASTM A538 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 A538 Grade 65-45-12
13	Lock Nut	CS6400	ASTM B148
14	Locating Screw	Stainless Steel 304	ASTM A276
15	Stem	Stainless Steel 304	ASTM A276
16	Stem Nut	CS6400	ASTM B148
17	Plug	CS6400	ASTM B148
18	Lifting Nut	C78	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 OS&Y Grooved End Gate Valve

Model: Z81-300

Resilient Wedge OS & Y Gate valve – Grooved End

Technical Features

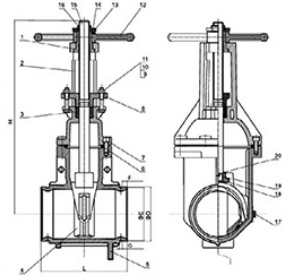
- Nominal Pressure: 300PSI
- Groove standard: Metric or ANSI / AWWA C606
- Face to Face Standard: ASME B 16.10
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600 PSI) conforms to UL 262, 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 CS6400	ASTM B148
2	Bonnet	Ductile Iron	ASTM A538 Grade 65-45-12
3	Packing	Graphite	
4	Disc	Ductile Iron +EPDM	ASTM A538 Grade 65-45-12+ASTM D2000
5	Body	Ductile Iron	ASTM A538 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 A538 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 A538 Grade 65-45-12
13	Lock Nut	CS6400	ASTM B148
14	Locating Screw	Stainless Steel 304 or Steel 1045	ASTM A276
15	Stem	Stainless Steel 304 or CS6400	ASTM A276
16	Stem Nut	CS6400	ASTM B148
17	Plug	CS6400	ASTM B148
18	Lifting Nut	C78/CF8M or CS6400	ASTM A351
19	Pin	Stainless Steel 304	ASTM A276
20	Sealing Ring	EPDM	ASTM D2000

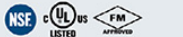
Dimensions

Size	DN	L	F	D	E	G	H
2½"	65	190	15.9	73	69.1	7.9	370
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
6"	150	267	15.9	165.1	160.8	9.5	607
8"	200	292	19	216.3	211.6	11.1	754
10"	250	330	19	273	268.3	12.7	890
12"	300	356	19	323.9	318.3	12.7	1031



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NINGJIN APC INDUSTRIES®



300PSI OS&Y Flanged X Grooved End Gate Valve

Model: Z481-300

Resilient Wedge OS & Y Gate Valve – Flanged x Grooved End

Technical Features

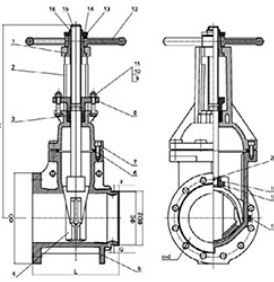
- Nominal Pressure: 300PSI
- Face to Face Standard: ASME B16.10
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Flange Standard: ASME / ANSI B 16.1 Class 125 or ASME / ANSI B 16.42 Class 150 or BS EN 1092-2 PN16 or GB / T9113.1
- Groove Standard: Metric or ANSI / AWWA C606
- Approvals: UL, CUL, FM, NSF / 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 CS6400	ASTM A276 or ASTM B148
2	Bonnet	Ductile Iron	ASTM A538 Grade 65-45-12
3	Packing	Graphite	
4	Disc	Ductile Iron +EPDM	ASTM A538 Grade 65-45-12+ASTM D2000
5	Body	Ductile Iron	ASTM A538 Grade 65-45-12
6	Sealing Ring	EPDM	ASTM D2000
7	Bolt	Stainless Steel 304 or Steel 1045	ASTM A276 or ASTM A29
8	Gland	Ductile Iron	ASTM A538 Grade 65-45-12
9	Nut	Stainless Steel 304 or Steel 1045	ASTM A276 or ASTM A29
10	Flat Washer	Stainless Steel 304 or Steel 1045	ASTM A276 or ASTM A29
11	Bolt	Stainless Steel 304 or Steel 1045	ASTM A276 or ASTM A29
12	Handwheel	Ductile Iron	ASTM A538 Grade 65-45-12
13	Lock Nut	CS6400	ASTM B148
14	Locating Screw	Stainless Steel 304 or Steel 1045	ASTM A276 or ASTM A29
15	Stem	Stainless Steel 304 or CS6400	ASTM A276 or ASTM B148
16	Stem Nut	CS6400	ASTM B148
17	Plug	CS6400	ASTM B148
18	Lifting Nut	C78 or CS6400	ASTM A351 or ASTM B148
19	Pin	Stainless Steel 304	ASTM A276
20	Sealing Ring	EPDM	ASTM D2000

Dimensions

Size	DN	L	D	F	D2	E	G	H
2½"	65	190	178	15.9	73	69.1	7.9	370
3"	80	203	191	15.9	88.9	84.9	7.9	420
4"	100	229	229	15.9	114.3	110.1	9.5	447
5"	125	254	254	15.9	139.7	135.5	9.5	547
6"	150	267	279	15.9	165.1	160.8	9.5	607
8"	200	292	343	19	216.3	211.6	11.1	754
10"	250	330	406	19	273	268.3	12.7	890
12"	300	356	483	19	323.9	318.3	12.7	1031



300PSI NRS Flanged End Gate Valve

Resilient Wedge NRS Gate valve – Flanged End

Technical Features

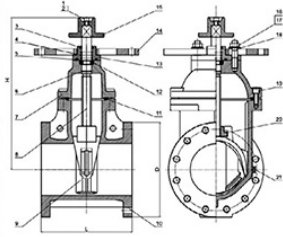
- Nominal Pressure: 300PSI
- Flange Standard: ASME / ANSI B 16.1 Class 125 or ASME / ANSI B 16.42 Class 150 or BS EN 1092-2 PN16 or GB / T9113.1
- Sizes: 2½", 3", 4", 5", 6", 8", 10", 12"
- Face to Face Standard: ASME B 16.10
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372, CCC
- Maximum Working Pressure: 300PSI (Maximum Testing Pressure: 600PSI) 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	Flat Washer	Steel 1045 or Stainless Steel 304	ASTM A29 or ASTM A276
2	Inter/Ingru 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 A538 Grade 65-45-12
8	Stem	Stainless Steel 304	ASTM A276
9	Disc	Ductile Iron +EPDM	ASTM A538 Grade 65-45-12+ASTM D2000
10	Body	Ductile Iron	ASTM A538 Grade 65-45-12
11	Sealing Ring	EPDM	ASTM D2000
12	Handwheel	Ductile Iron	ASTM A538 Grade 65-45-12
13	Gland	Ductile Iron	ASTM A538 Grade 65-45-12
14	Terminal Pad	Ductile Iron	ASTM A538 Grade 65-45-12
15	Link Block	Ductile Iron	ASTM A538 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	Inter/Ingru Screw	Steel 1045	ASTM A29
20	Master Screw	CS6400	ASTM B148
21	Plug	CS6400	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	524
10"	250	330	406	635
12"	300	356	483	720



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