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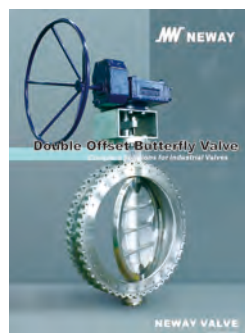
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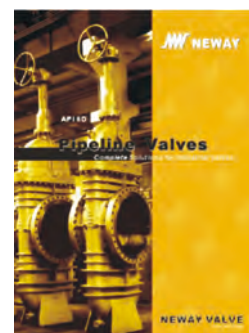
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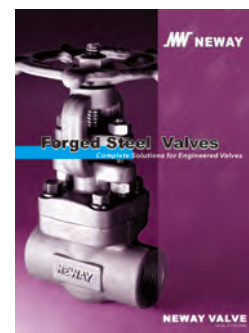
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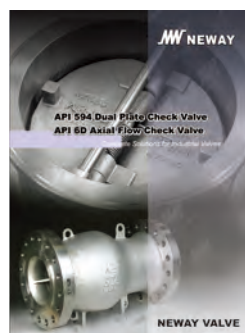
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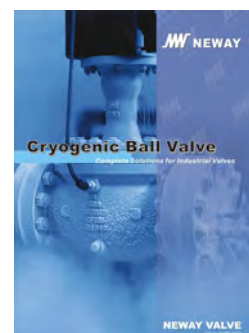
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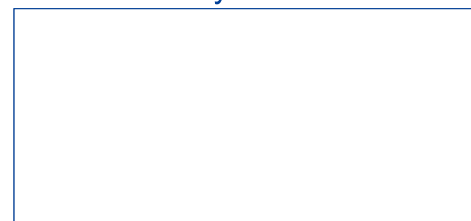


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NW NEWAY
NEWAY VALVE (SUZHOU) CO., LTD.

No.666 Taishan Road, Suzhou New District, P.R. China
Post Code:215129
Tel: 86-512-666-51365
Fax: 86-512-666-18930-2102
E-mail: overseas.sales@neway.com.cn
<http://www.newayvalve.com>

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NW NEWAY

Forged Steel Valves

Complete Solutions for Engineered Valves



NEWAY VALVE

Cat.no.:E-FSV-2020

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Complete Solutions for Industrial Valves

As a global leader of valve manufacturing, Neway(SSE:603699) is dedicated to the production, research, and development of industrial valves. Neway is committed to providing complete valve solutions to all industries through advanced engineering and innovation.

Neway's product line includes Ball, Butterfly, Gate, Globe, Check, Nuclear, Control, Subsea and Safety valves. Our high quality standards and innovative ability are recognized by many global end users and EPCs. Neway valves are utilized in a wide variety of industries and working conditions such as Refining, Chemical, Coal Chemical, Offshore(including subsea), Air Separation, LNG, Nuclear Power, Power Generation, and Pipeline Transmission applications.

Global Facilities & Service

Neway has developed a sophisticated multi-plant management system operating one valve assembly plant, one API6A valve plant, three foundries, and one R&D center. Our Largest assembly plant was expanded in 2013, and it now covers 230,000 square meters.

Advanced software (ANSYS, FE-Safe, CF-Design, Siemens PLM and NX) is applied here at Neway for the Research & Development of products. We use SAP to control the traceability and status of all products during the manufacturing process. In order to ensure the safety, eco-friendliness, and reliability of our products, we use the most advanced fire-safe, cryogenic, high pressure, and fugitive emission test equipment.

As part of Neway's global strategy, to provide better service to our customers, we have established our overseas subsidiaries in USA, Netherlands, Italy, Singapore and Dubai along with over 80 agents and distributors worldwide.

High Quality, High Value

Neway is dedicated to the pursuit of "Zero Defect". We maintain a quality management system that encompasses our entire operation from order entry, to final inspection. Through Neway's continuous efforts, our products have achieved industrial certificates including ISO 9001, API 6A, API 6D, CE/PED, ASME N & NPT, TA-Luft, ABS, CU-TR and Fire-Safe approvals.

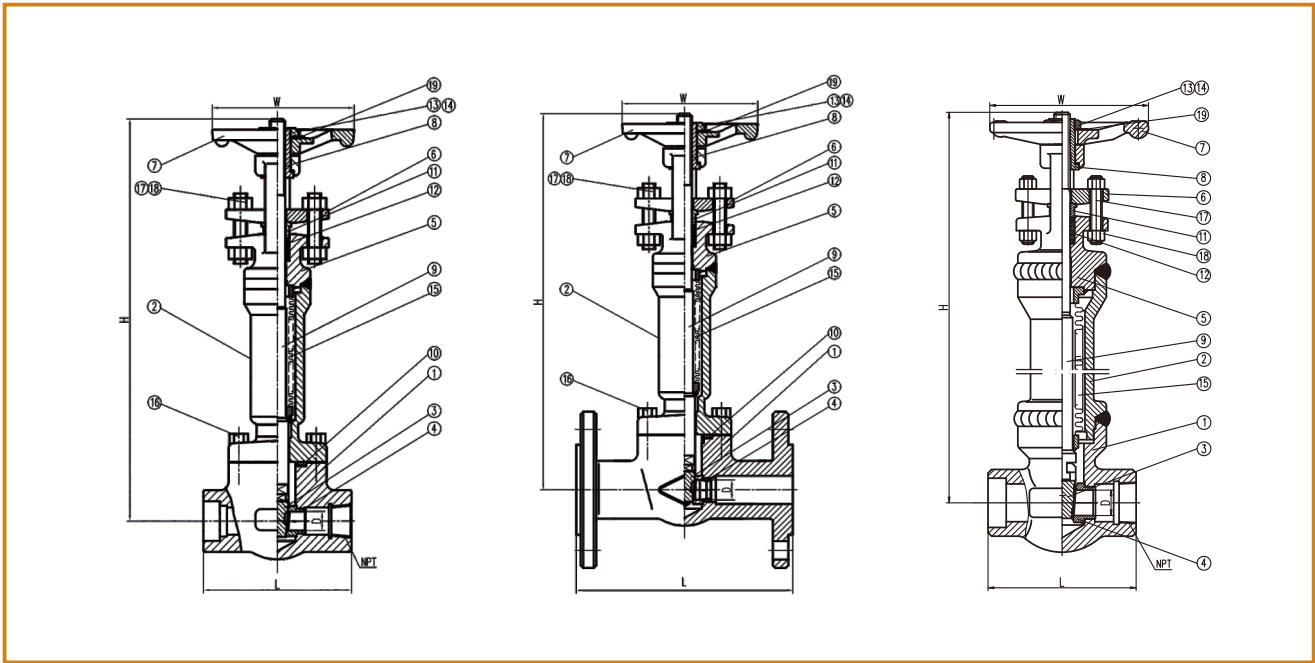
Quality Commitment



Neway recognizes the importance of valve quality for the safety and protection of personnel health and property. It is our quality commitment to focus our resources to provide our customers with first class products at a competitive price, designed, manufactured, inspected and tested in accordance with our customers CE/PED specifications and complying with all international standards. Current industrial standards do not always take into consideration the likelihood and consequences of possible deterioration in service, related to specific service fluids or the external environments in which they operate. Therefore we request that our customers communicate with our engineering department. Our valve optimization program continuously strives to provide valves that withstand deterioration in service, and ensure safety over the valves expected lifetime.

Forged Steel Bellows Gate Valve

G.A. Drawing & Dimensions of Belows Gate Valve



Bolted Bonnet

Overall-end Flange

Welded Bonnet

Material List

NO.	Description of Parts	Material		
		Standard	High Temperature	Stainless Steel
1	BODY	ASTM A105N	ASTM A182 F11/F22	ASTM A182 F304/F316
2	BONNET	ASTM A105N	ASTM A182 F11/F22	ASTM A182 F304/F316
3	WEDGE	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304/F316
4	SEAT RING	ASTM A276-410/STL.OVERLAY	ASTM A276-410/STL.OVERLAY	ASTM A182 F304/F316/STL.OVERLAY
5	YOKE	ASTM A105N	ASTM A182 F11/F22	ASTM A182 F304/F316
6	GLAND FLANGE	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8
7	HANDWHEEL	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON
8	STEM NUT	ASTM A276 420	ASTM A276 420	ASTM A276 420
9	STEM	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304/F316
10	GASKET	304SS/SPIRAL WOUND GRAPHITE	304SS/SPIRAL WOUND GRAPHITE	304/316SS/SPIRAL WOUND GRAPHITE
11	GLAND	ASTM A276 420	ASTM A276 420	ASTM A276 304/316
12	PACKING	GRAPHITE	GRAPHITE	DUCTILE IRON
13	HANDWHEEL NUT	CARBON STEEL	CARBON STEEL	ASTM A276 304
14	WASHER	ASTM A276 304	ASTM A276 304	ASTM A276 304
15	BELLOWS	ASTM A276 316Ti	ASTM A276 316Ti	ASTM A276 316Ti
16	STUD	ASTM A193 B7	ASTM A193 B16	ASTM A193 B8
17	STUD	ASTM A193 B8	ASTM A193 B8	ASTM A193 B8
18	NUT	ASTM A194 8	ASTM A194 8	ASTM A194 8
19	NAME PLATE	ASTM A276 304	ASTM A276 304	ASTM A276 304

Forged Steel Bellows Gate Valve

G.A. Drawing & Dimensions of Belows Gate Valve

Class 800 Bolted Bonnet or Welded Bonnet

Regular and Full Port - API602. Outside Screw & Yoke - Threaded and Socket Weld Ends

Regular Port	Size		1/2		3/4		1		1-1/4		1-1/2		2	
Full Port	Size		3/8		1/2		3/4		1		1-1/4		1-1/2	
End to End	L		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
			76	2.99	86	3.39	102	4.02	118	4.65	118	4.65	132	5.20
Bore Diameter	D		9.5	0.37	12.7	0.50	17.5	0.69	23.8	0.94	28.6	1.13	36.5	1.44
Center to Top (Open)	H	Bolted Bonnet	329.2	12.96	353.7	13.93	425.5	16.75	577.4	22.73	577.4	22.73	712.1	28.04
		Welded Bonnet	289.2	11.39	319.8	12.59	372.7	14.67	533.3	21.00	533.3	21.00	700	27.56
Handwheel	W		90	3.54	90	3.54	110	4.33	150	5.91	150	5.91	150	5.91
Approx. Weight	Kg/Lb		3.5	7.72	4.0	8.82	5.5	12.13	8.5	18.74	8.5	18.74	16	35.27

Class 900/1500 Welded Bonnet

Regular and Full Port - API602. Outside Screw & Yoke - Threaded and Socket Weld Ends

Regular Port	Size	1/2		3/4		1		1-1/4		1-1/2		2	
Full Port	Size	3/8		1/2		3/4		1		1-1/4		1-1/2	
End to End	L	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
		90	3.54	104	4.09	120	4.72	130	5.12	130	5.12	150	5.91
Bore Diameter	D	9.5	0.37	12.7	0.50	16	0.63	22.5	0.89	27	1.06	35	1.38
Center to Top (Open)	H	300	11.81	320	12.60	380	14.96	530	20.87	530	20.87	580	22.83
Handwheel	W	90	3.54	110	4.33	150	5.91	150	5.91	150	5.91	180	7.09
Approx. Weight	Kg/Lb	5	11.02	7.5	16.53	11.5	25.35	19	41.89	19	41.89	30	66.14

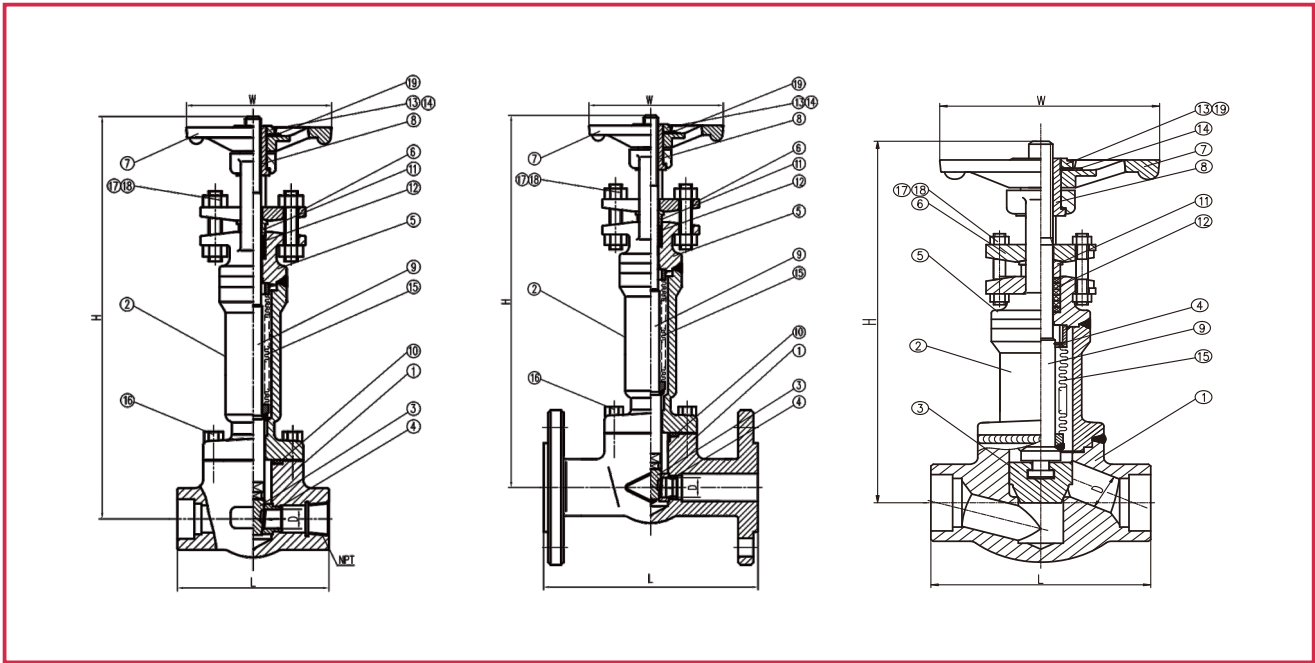
Class 150-300-600 Overall-end Flange, Bolted Bonnet, Structure Length-ASME B16.10

Regular Port - API 602. Outside Yoke & Overall-end Flange - ASME B16.5

Regular Port		Size	1/2		3/4		1		1-1/2		2	
End to End			mm	in	mm	in	mm	in	mm	in	mm	in
	Class 150	L	108	4.25	117	4.61	127	5	165	6.50	178	7.01
	Class 300	L	140	5.51	152	5.98	165	6.50	190	7.48	216	8.50
End to End	Class 600	L	165	6.50	190	7.48	216	8.50	241	9.49	292	11.50
	Bore Diameter	D	9.50	0.37	12.7	0.50	17.5	0.69	28.6	1.13	36.5	1.44
Center to Top (Open)		H	145.5	5.73	151.8	5.98	179.7	7.07	247	9.72	268.7	10.58
Handwheel		W	90	3.54	90	3.54	110	4.33	150	5.91	150	5.91
Approx. Weight	Class 150	Kg/Lb	3	6.61	3.8	8.38	4.8	10.58	10	22.05	15	33.07
	Class 300		3.4	7.50	4.5	9.92	5.7	12.57	11.5	25.35	17	37.48
	Class 600		4	8.82	5.2	11.46	6.6	14.55	12.7	28.00	18	39.68

Forged Steel Bellows Globe Valve

G.A. Drawing & Dimensions of Bellows Globe Valve



Bolted Bonnet

Overall-end Flange

Welded Bonnet

Material List

NO.	Description of Parts	Material		
		Standard	High Temperature	Stainless Steel
1	BODY	ASTM A105N/STL.OVERLAY	ASTM A182 F11/F22/STL.OVERLAY	ASTM A182 F304/F316/STL.OVERLAY
2	BONNET	ASTM A105N	ASTM A182 F11/F22	ASTM A182 F304/F316
3	DISC	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304/F316
4	PIN	ASTM A276 304	ASTM A276 304	ASTM A276 304
5	YOKE	ASTM A105N	ASTM A182 F11/F22	ASTM A182 F304/F316
6	GLAND FLANGE	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8
7	HANDWHEEL	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON
8	STEM NUT	ASTM A276 420	ASTM A276 420	ASTM A276 420
9	STEM	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304/F316
10	GASKET	304SS/SPIRAL WOUND GRAPHITE	304SS/SPIRAL WOUND GRAPHITE	304/316SS/SPIRAL WOUND GRAPHITE
11	GLAND	ASTM A276 420	ASTM A276 420	ASTM A276 304/316
12	PACKING	GRAPHITE	GRAPHITE	DUCTILE IRON
13	HANDWHEEL NUT	CARBON STEEL	CARBON STEEL	ASTM A276 304
14	WASHER	ASTM A276 304	ASTM A276 304	ASTM A276 304
15	BELLOWS	ASTM A276 316Ti	ASTM A276 316Ti	ASTM A276 316Ti
16	STUD	ASTM A193 B7	ASTM A193 B16	ASTM A193 B8
17	STUD	ASTM A193 B8	ASTM A193 B8	ASTM A193 B8
18	NUT	ASTM A194 8	ASTM A194 8	ASTM A194 8
19	NAME PLATE	ASTM A276 304	ASTM A276 304	ASTM A276 304

Forged Steel Bellows Globe Valve

G.A. Drawing & Dimensions of Bellows Globe Valve

Class 800 Bolted Bonnet or Welded Bonnet

Regular and Full Port - API602 . Outside Screw & Yoke - Threaded and Socket Weld Ends

Regular Port	Size		1/2		3/4		1		1-1/4		1-1/2		2	
Full Port	Size		3/8		1/2		3/4		1		1-1/4		1-1/2	
End to End	L		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
			76	2.99	86	3.39	102	4.02	140	5.51	140	5.51	170	6.69
Bore Diameter	D		9.5	0.37	12.7	0.50	17.5	0.69	23	0.91	28.6	1.13	36.5	1.44
Center to Top (Open)	H	Bolted Bonnet	356.1	14.02	363.5	14.31	416.3	16.39	506.3	19.93	506.3	19.93	599.2	23.59
		Welded Bonnet	311.7	12.27	353.5	13.92	363.8	14.32	464.8	18.30	452.3	17.81	563.8	22.20
Handwheel	W		110	4.33	110	4.33	110	4.33	150	5.91	150	5.91	180	7.09
Approx. Weight	Kg/Lb		3.5	7.72	4.5	9.92	5.5	12.13	11	24.25	11	24.25	17.5	38.58

Class 900/1500 Welded Bonnet

Regular and Full Port - API602 . Outside Screw & Yoke - Threaded and Socket Weld Ends

Regular Port	Size	1/2		3/4		1		1-1/4		1-1/2		2	
Full Port	Size	3/8		1/2		3/4		1		1-1/4		1-1/2	
End to End	L	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
		90	3.54	104	4.09	120	4.72	150	5.91	150	5.91	180	7.09
Bore Diameter	D	9.0	0.35	12.0	0.47	15.0	0.59	27	1.06	27	1.06	32	1.26
Center to Top (Open)	H	356.7	14.04	434.8	17.12	482.7	19.00	587.8	23.14	587.8	23.14	630	24.80
Handwheel	W	90	3.54	110	4.33	150	5.91	180	7.09	180	7.09	250	9.84
Approx. Weight	Kg/Lb	5.5	12.13	7.5	16.53	11.5	25.35	19	41.89	19	41.89	32	70.55

Class 150-300-600 Overall-end Flange, Bolted Bonnet, Structure Length-ASME B16.10

Regular Port - API 602. Outside Yoke & Overall-end Flange - ASME B16.5

Regular Port		Size	1/2		3/4		1		1-1/2		2	
End to End			mm	in	mm	in	mm	in	mm	in	mm	in
	Class 150	L	108	4.25	117	4.61	127	5.00	165	6.50	203	7.99
	Class 300	L	152	5.98	178	7.01	203	7.99	229	9.02	267	10.51
End to End	Class 600	L	165	6.50	190	7.48	216	8.50	241	9.49	292	11.50
		D	9.50	0.37	12.7	0.50	17.5	0.69	28.6	1.13	36.5	1.44
Bore Diameter		D	9.50	0.37	12.7	0.50	17.5	0.69	28.6	1.13	36.5	1.44
Center to Top (Open)		H	356.1	14.02	363.5	14.31	416.3	16.39	506.3	19.93	599.2	23.59
Handwheel		W	110	4.33	110	4.33	110	4.33	150	5.91	180	7.09
Approx. Weight	Class 150	Kg/Lb	5.5	12.13	6.0	13.23	8.5	18.74	14	30.86	21.5	47.40
	Class 300		6.0	13.23	7.0	15.43	10.5	23.15	17	37.48	25	55.12
	Class 600		6.5	14.33	7.5	16.53	11	24.25	18.5	40.79	26.5	58.42