



Leading Technology Solutions For Engineering Valve

SNY VALVE (YANCHENG) CO., LTD.

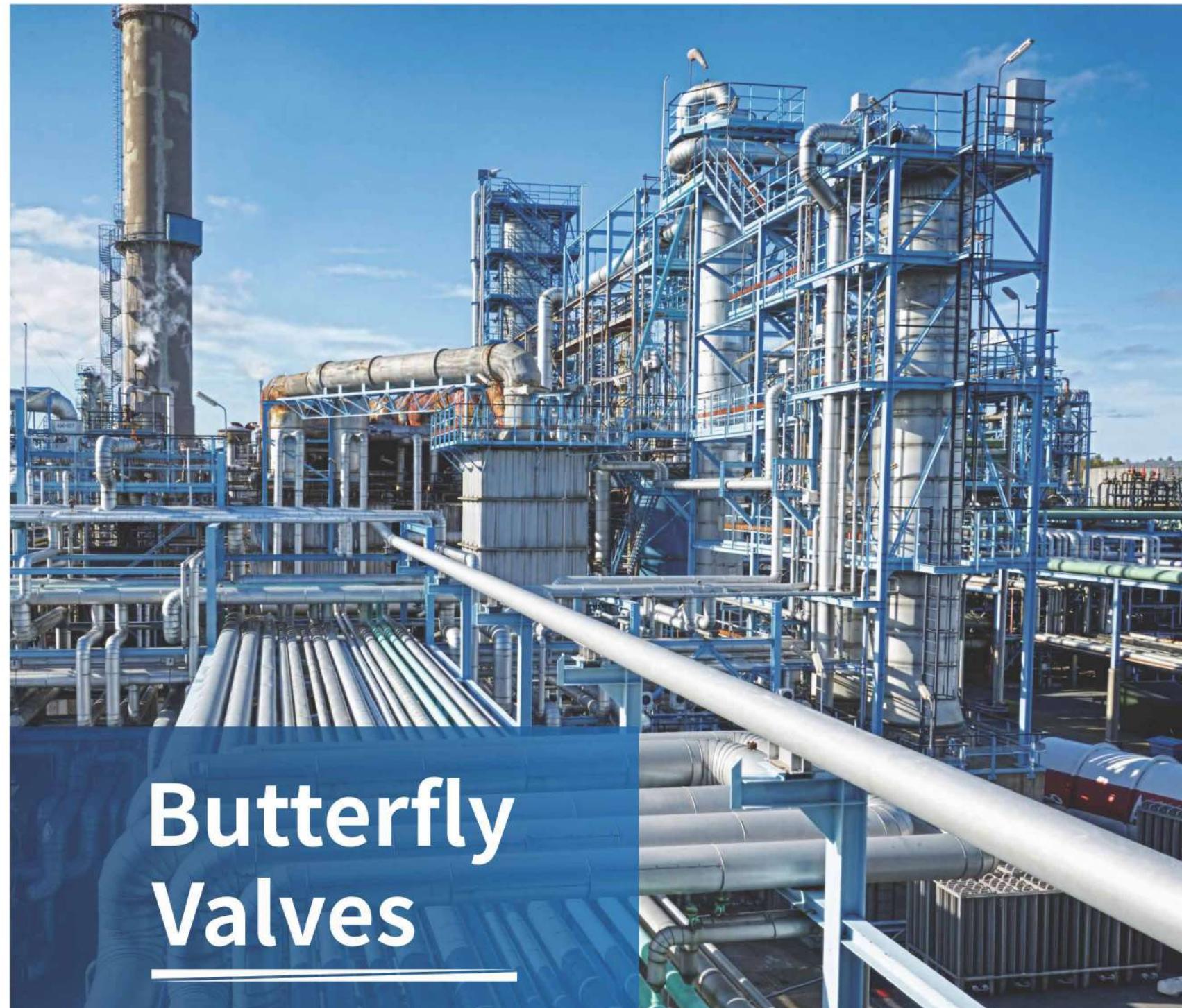
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Website



WeChat



Butterfly Valves

SNY VALVE (YANCHENG) CO., LTD.

MEET

THE

BEST



Leading Technology Solutions For Engineering Valve

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HEADQUARTERS

Established in 2003
Area: 34,000 m²
Located in Tinghu District,
Yancheng City



Established in 2023
Area: 53,333 m²
Located in Yancheng E&T
Development Zone,
Yancheng City.

NEW PLAN



Responsible for Global Marketing
Promotion and Technical Innovation
Located in Suzhou



Technical Strength

SNY VALVE has a first-class technology research and development team, and we have nearly 100 of all kinds of patents and copyrights. Company are capable of physical & chemical analysis, mechanical performance testing, NDT, impact test at ambient temperature and low temperature, hardness testing, metallographic analysis, coordinate measuring, valve torque testing, valve life testing, high-temperature & cryogenic testing, etc., products have been certified through fire safe, fugitive emission, TAT tests.

COMPANY PROFILE

SNY VALVE (YANCHENG) CO., LTD.

SNY is committed to providing global customers with reliable and complete range of solution for engineering valve. Established in 2003 with CNY 150 million registered capital, SNY VALVE is a national high-tech comprehensive enterprise which integrating valve R&D manufacturing and sales. SNY VALVE headquarters is located in Yancheng city with two manufacturing workshops. We have sales centers in Yancheng, Suzhou and Beijing. SNY VALVE covers an area of over 100,000 sq. meters with more than 300 sets of production, test & inspection facilities. SNY VALVE has established long-term cooperative relations with many large enterprises at home and abroad, been approved by many end users and EPC companies, and products export to middle east, Europe, America, etc.

Main Products

SNY VALVE products are widely applied in oil, gas, petroleum refining, petrochemical, power, mining, metallurgy, LNG shipbuilding and other industries. Our product range are NPS 1/4~160 inch (DN6~DN4000), Class150~2500 (PN16~PN420). Our mainly products are gate valves, globe valves, check valves, ball valves, API6D valve, and we are actively developing special valves used for severe service such as cryogenic, ultra-high temperature and high corrosion. Products are designed according to standards of ANSI, ASTM, API, BS, JIS, DIN, GB, ISO, MSS, etc., and design temperature from -254 to 650 Deg.C. Material are available of carbon steel, stainless (including duplex and super duplex), and other alloys steel (low alloy, nickel-based alloy, Inconel, Monel, Hastelloy),etc.

Established in 2006
Area: 58,000 m²
Located in Yancheng E&T
Development Zone,
Yancheng City.

THE SECOND FACTORY

STRATEGIC DEVELOPMENT CENTER



30+
International QMS
certifications

115
Authorized
patents



QUALIFICATION



HONORS

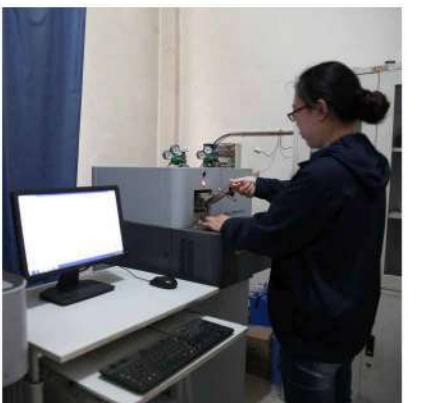
The company has successively won the honorary titles of "Demonstration Enterprise of Safety Culture Construction in Jiangsu Province", "Excellent Enterprise of Management Innovation in Jiangsu Province", "Excellent Small and Medium-sized Enterprise of Science and Technology in Yancheng City", "Grade A Enterprise of Commercial Credit in Yancheng City", "Three Star Enterprise of Yancheng City", "Science and Technology Innovation Award of Yancheng City" and "Advanced Enterprise of Harmonious Labor Relations in Yancheng City".



SNY VALVE is committed to provide the highest possible quality industrial valves at the most cost effective way to customers worldwide. We have been certified with ISO9001, ISO14001, OHSAS18001, CE/PED, API6D, API609, API600, ABS, CU-TR, TS, and obtained API607 / API 6Fa fire safe approvals.

QUALITY CONTROL

SNY VALVE has been certified with ISO 9001 & API Spec.Q1 for quality management system. SNY quality assurance and quality control capabilities are followed and implemented based on global standards. We have



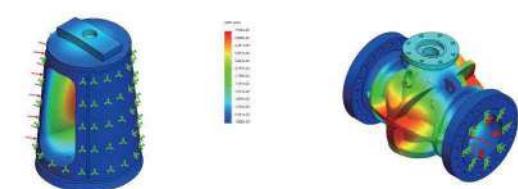
Raw material quality is ensured by a stringent vendor qualification system. By NDT (Radiographic Test, Magnetic Particle Test, Penetrant Test & Ultrasonic Test), Positive Material Identification (PMI), Tensile Test, and Hardness Test to evaluate samples & small lot production, as well as surveillance audits and sample check to ensure the compliance as per customers' requirements. Valves manufactured at SNY valves are 100% pressure-tested. The product design has been validated through various special testing as per applicable industry standards such as Fire Safe Test, Low Temperature Test, Cryogenic Test, Vacuum Test, Fugitive Emission Test, High Pressure Gas Test, Elevated Temperature Test and so on.

TECHNICAL INNOVATION

SNY VALVE always focus on technical innovation. It has one province technique center and one cryogenic valve engineering center. Technical team utilizes the most advanced computer technology to improve the existing products and develop the new products. Up to now, SNY VALVE possesses more than 90 patents.



SNY VALVE design philosophy is to develop a safe and cost-efficient valve. Through the latest software of 3D, CAD & Solid works, engineer is available to fictitiously check and verify if the parts & valves can be assembled precisely before they are actually made, which can speed up the development process & saves the costs. SNY VALVE technical personnel are always ready to offer on-line or on-site technical training and support for all of our customers.



FACTORY MANAGEMENT

“

SNY VALVE organically integrates the advanced manufacturing equipment and the staffs. By using the most advanced hardware and software, centralizing the production resources, increasing our efficiency and continuously improving the process control, we are able to meet or exceed the different requirement of customers. Company implement 6S management onsite to reduce waste and improve process control.

Advanced management software such as K/3 (ERP) & OA (Collaborative Management Software) play an important role in SNY VALVE. Synchro nized supervision & management are performed through the whole manufacturing process to improve productivity & efficiency.



”

PRODUCTION FACILITIES

300+ All kinds of advanced production and processing testing equipment.

SNY developed comprehensive and advanced inspection and test facilities to control the quality from rough castings or forgings to final products, which enable us to perform radiographic test, liquid penetrant test, magnetic-particle test, spectrum analysis, Material Positive Identification, impact test, tensile test, hardness test, fire safe test, cryogenic test, vacuum test, low fugitive emission test, high pressure gas test, ultrasonic testing and hydrostatic test.

The latest computer technology has been extensively applied in SNY manufacturing, which includes a large number of numeric control machines (machining center, CNC horizontal and vertical lathe and CNC drilling machine etc.)



SNY Business Philosophy



Stable & Reliable Quality

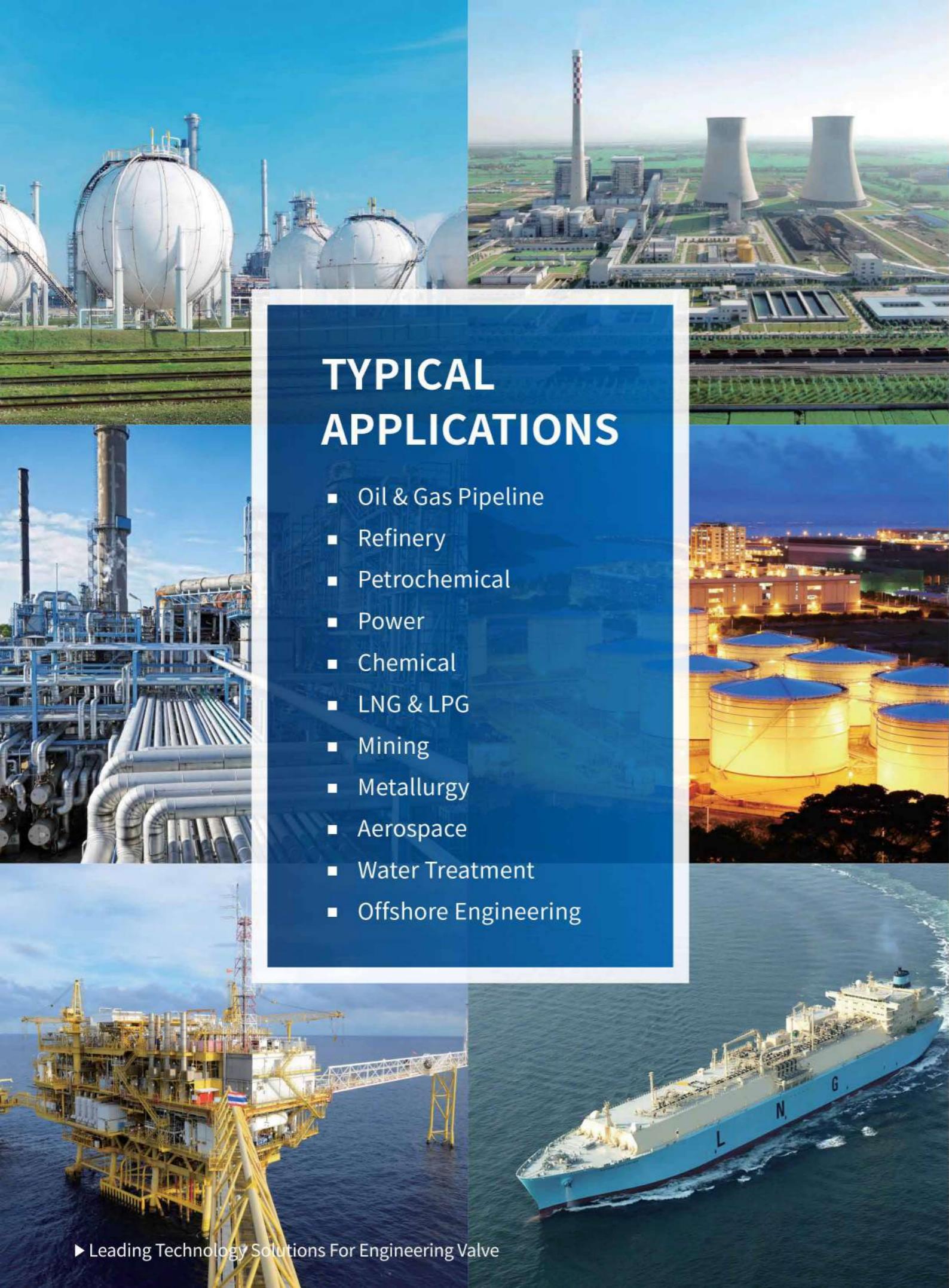


Reasonable Price



On-time Delivery

HOW TO ORDER



TYPICAL APPLICATIONS

- Oil & Gas Pipeline
- Refinery
- Petrochemical
- Power
- Chemical
- LNG & LPG
- Mining
- Metallurgy
- Aerospace
- Water Treatment
- Offshore Engineering

Nominal Size	Valve Type	Nominal Pressure	End Connection	Operation	Special Requirement	Body Material	Trim Material	Special Material
Example: A 1 0	B T T	C 6	D R	E G	F S H	G C F 8 M	H 6 9 9 8	I N C

Explanation: NPS10, Triple offset Butterfly Valve, Class 600, RF Flange, Gearbox, SHELL requirement, Body Material CF8M, Trim No.6998, NACE.

A Nominal Size

2	NPS2	16	NPS16	36	NPS36	58	NPS58
2 1/2	NPS 2 1/2	18	NPS18	40	NPS40	60	NPS60
3	NPS3	20	NPS20	42	NPS42	64	NPS64
4	NPS4	22	NPS22	44	NPS44	66	NPS66
5	NPS5	24	NPS24	46	NPS46	68	NPS68
6	NPS6	26	NPS26	48	NPS48	72	NPS72
8	NPS8	28	NPS28	50	NPS50	76	NPS76
10	NPS10	30	NPS30	52	NPS52	78	NPS78
12	NPS12	32	NPS32	54	NPS54	80	NPS80
14	NPS14	34	NPS34	56	NPS56	84	NPS84

B Valve Type

TT	Triple offset butterfly valve
TD	Double offset butterfly valve
TC	Concentric butterfly valve

C Nominal Pressure

0	Class125	-2.5	PN(DIN)2.5	-20	PN(ANSI)20
1	Class150	-6	PN(DIN)6	-50	PN(ANSI)50
3	Class300	-10	PN(DIN)10	-110	PN(ANSI)110
4	Class400	-16	PN(DIN)16	-150	PN(ANSI)150
6	Class600	-25	PN(DIN)25	-260	PN(ANSI)260
8	Class800	-40	PN(DIN)40		
9	Class900	-63	PN(DIN)63		
15	Class1500	-100	PN(DIN)100		

H Trim Material

Other materials are available upon request.	Stem	Seat sealing surface	Metal sealing ring	Non-metallic sealing ring
	1 F416	1 416	2 F304	5 PTFE
	2 F304	2 304	3 F316	6 With 25% glass fiber PTFE
	3 F316	3 316	6 1Cr13(F6a)	8 GRAPHITE
	4 MONEL K500	4 M30-C	7 F316L	N Without
	5 17-4PH	5 QAL9-4(B148 C95200)	8 F304L	
	6 1Cr13 (410)	7 410 (1Cr13)	9 F51	
	7 F316L	8 F53	E INCONEL625	
	8 F304L	9 STL.21	F INCOLOY825	
	9 F51	A QAL9-2	G F55	
	A XM-19	B F316L	H INCONEL600	
	B INCONEL600	C F304L	K F317L	
	C 660	D F51	E INCONEL625	
	E INCONEL625	F F55	G F55	
	F INCOLOY825	H M35-1	H INCONEL600	
	G F55	J M35-2	K F317L	
	H 1Cr13/ENP4	K F317L	L B148 C95400	
	K F317L	U B148 C95400		

D End Connection

R	RF Flanged	B**	Butt-welding(** is the pipe nominal size or can be described as OD*Wall Thickness)
J	RTJ Flanged	F	FF Flanged
L	Lug	W	Wafer type

E Operation

Default	Handle/Handwheel	B	Bare Stem
G	Gearbox	P	Pneumatic Actuator
E	Electric Actuator	H	Hydraulic Actuator

F Special Requirement

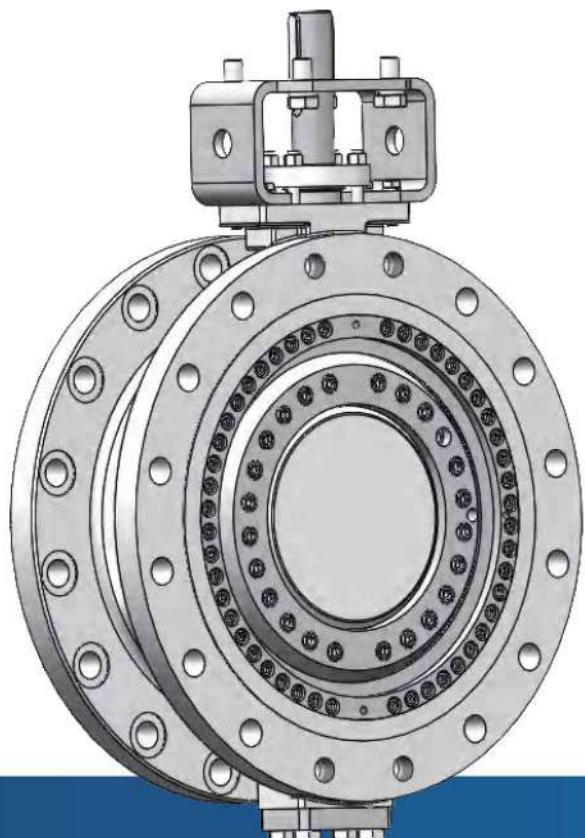
B16.47B	ASME B16.47B standard end flange
BW	belleville spring at packing bolt shall be anti-loosening
CE	valves exported to EU, and shall be CE marked
CH	closure member with pressure relief hole
CW**	Sprocket, ** represents the dimension from the center of valve stem or input shaft of gearbox to the bottom of chain ring.
LN**	no-standard face to face/end to end dimension, ** is the dimension data
LS	Valve with lock
SH	SHELL requirement

G Body Material

WCB	C5	M35-1	CF8C
WCC	C12	CN7M	B148 C95400
A890 4A	C12A	CF8	QT400-18
A890 6A	LC3	CF8M	A395 60-40-18
WC6	LCB	CF3	A126-B
WC9	LCC	CF3M	

I Special Material

BP	PTFE plated bolt
NC	NACE Requirement



Triple Offset Butterfly Valves

The triple offset-type butterfly valve is a lightweight, low-torque, compact, and low-cost valve that can replace conventional gate valves, globe valves, or ball valves under most service conditions. It is developed on the basis of conventional resilient seated butterfly valves and has the following features: light weight, low torque, compact design, and low cost.

The SNY triple offset butterfly valve features a hard seat design with one-quarter turn, bidirectional sealing, and fire-safe performance. This eliminates the material aging and deformation issues of soft-seated butterfly valves. The top entry design also allows for online maintenance.

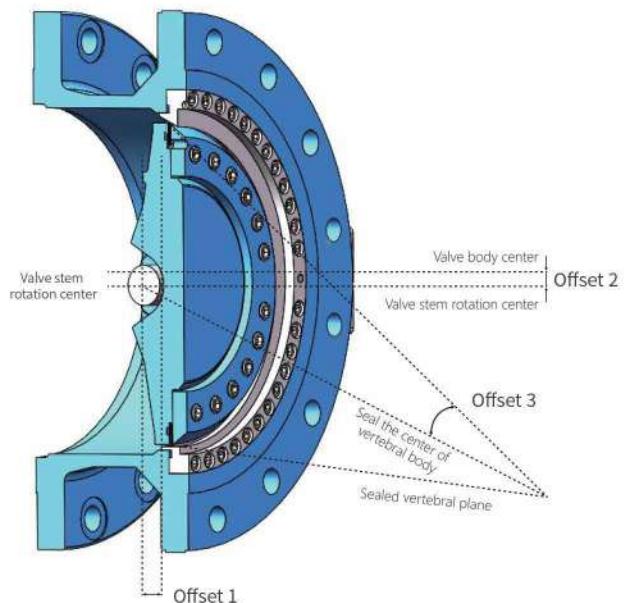
Design Standards

Basic Design	API 609
Face to Face	ISO 5752
Flange End	ASME B16.5
Welded End	ASME B16.25
Pressure-temp Rating	ASME B16.34
Inspection and Test	API 598

Scope of Product

Size:	3~160"
Class:	150LB~1500LB
Temp:	-254~710°C
Ends:	RF, BW, Wafer, Lug
Materials:	CS, LTCS, SS, DSS, Inconel, Monel etc.

Design Features



Offset 1

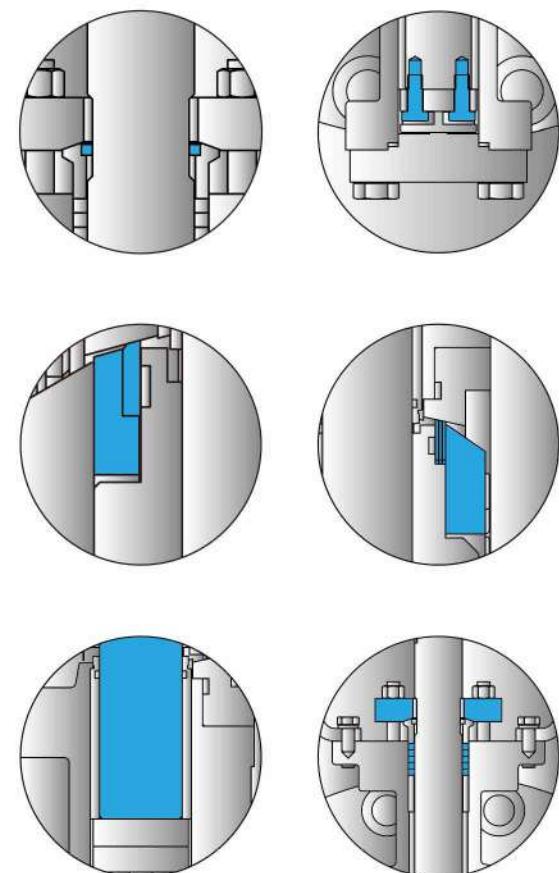
The center of the valve stem is higher than the sealing surface, which guarantees the continuity of the sealing surface.

Offset 2

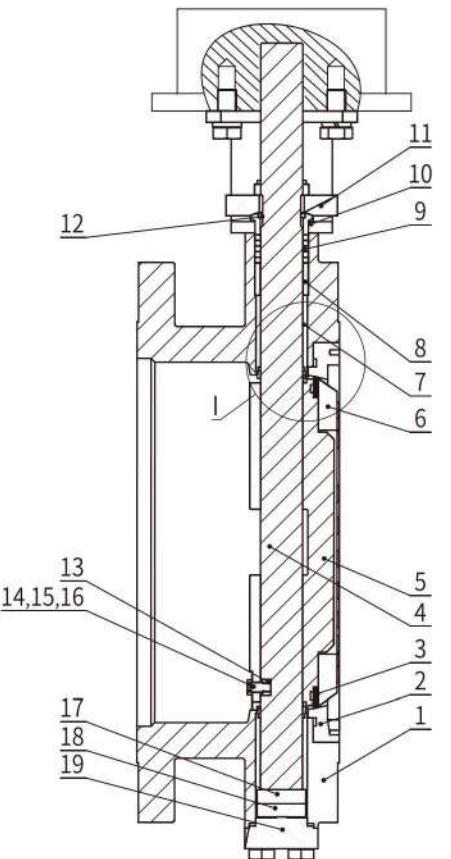
The center of the valve stem deviates from the center of the valve body, which reduces the opening friction force between the disc and seat.

Offset 3

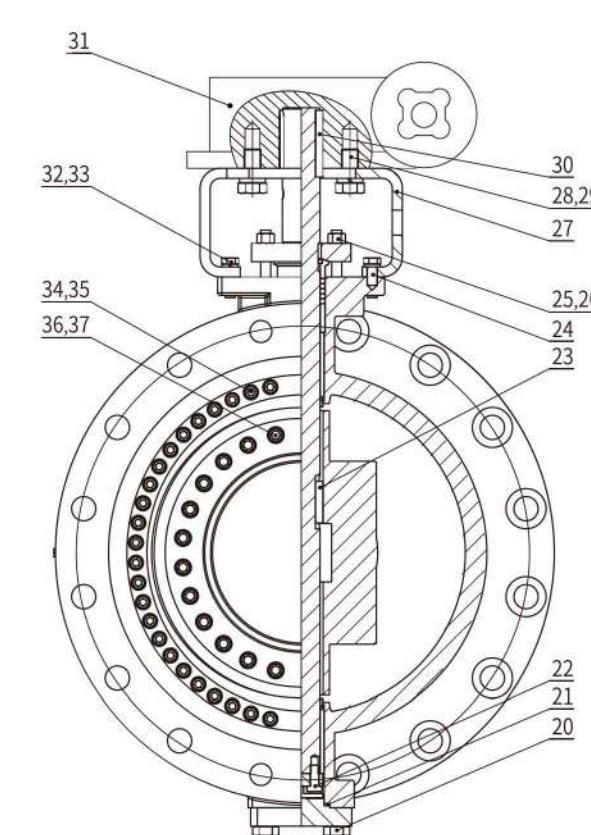
The opening and closing torque is transmitted to the sealing pair of the valve disc through the valve stem. The unique resilient sealing design ensures zero leakage under both water pressure and air pressure.



Material Specifications



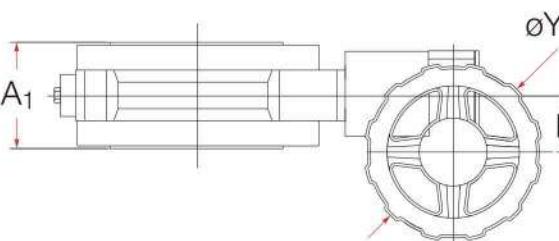
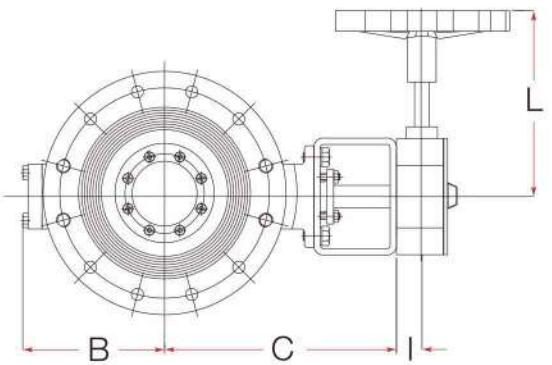
No.	Part	Material
1	BODY	WCB
2	SEAT	F304+STL.21
3	Seal ring assembly	31803+GRAPHITE
4	STEM	17-4PH
5	DISC	WCB
6	RING RETAINER	A105
7	RING RETAINER	316+QPQ NITRIDED
8	PACKING RING	316
9	PACKING	GRAPHITE
10	PACKING FOLLOWER	316
11	GLAND FLANGE	A105
12	SEPERATE RING	316
13	STOP COLLAR	316
14	NUT	A4
15	SCREW	A4-70
16	GASKET	316SS
17	BLOWOUT PROOF BLOCK A	316+QPQ NITRIDED
18	BLOWOUT PROOF BLOCK B	316+QPQ NITRIDED
19	BOTTOM FLANGE	WCB
20	BOLT	8.8, OXIDATE



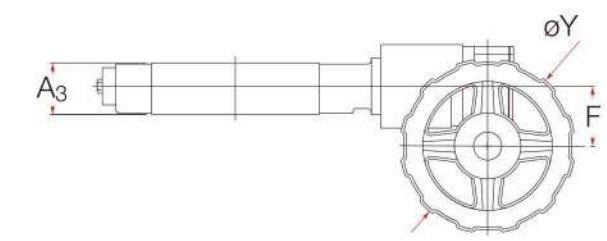
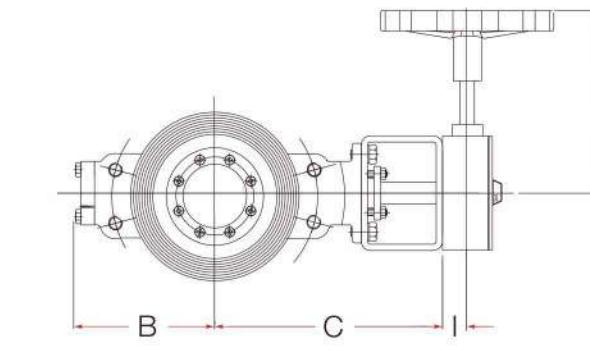
No.	Part	Material
21	WASHER	316+GRAPHITE
22	BOLT	A4-70
23	KEY	316
24	PIN	A2
25	BOLT	8.8, OXIDATE
26	NUT	8, OXIDATE
27	BRACKET Q235	MATERIALS
28	BOLT	8.8, OXIDATE
29	GASKET	65Mn, OXIDATE
30	KEY	45
31	GEAR BOX	ASSEMBLY
32	BOLT	8.8, OXIDATE
33	GASKET	65Mn, OXIDATE
34	SCREW	A4-70
35	GASKET	65Mn, OXIDATE
36	SCREW	A4-70
37	GASKET	316SS
38	GRAPHITE ROPE	316+GRAPHITE
39	WASHER	316+GRAPHITE
40	WASHER	316+GRAPHITE

Dimensions & Weights

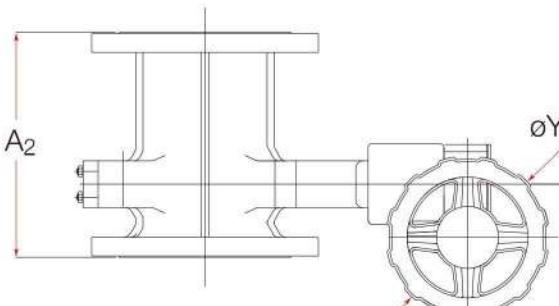
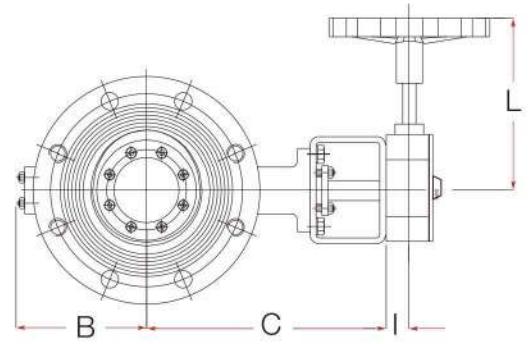
Double Flanged



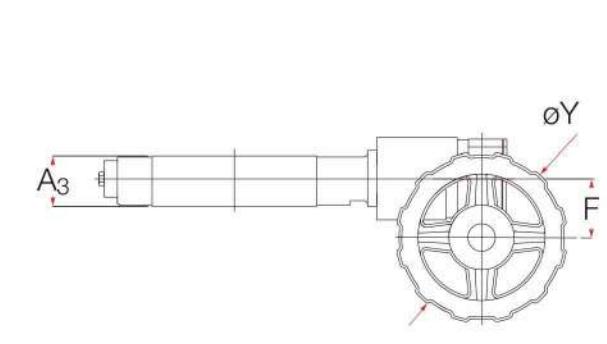
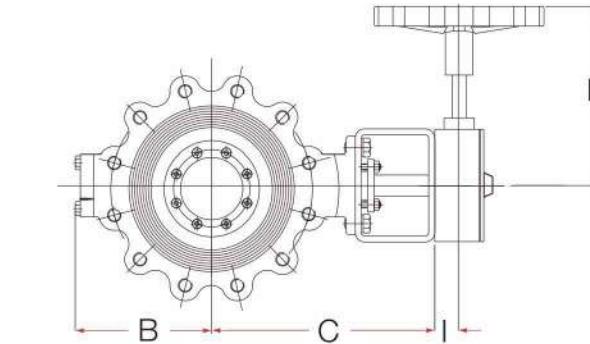
Wafer



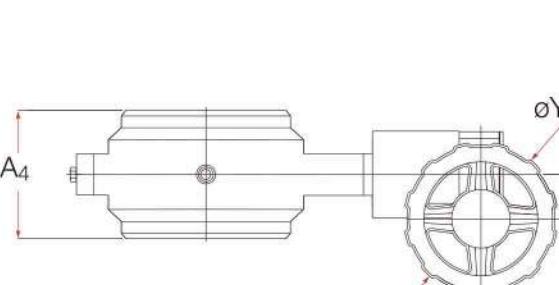
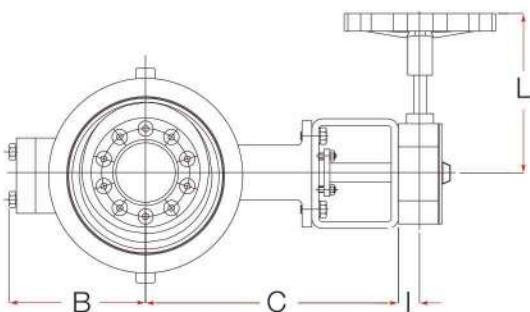
Double Flange (long series)



Lug



But-Weld



Notes

1. Face to face dimensions are in accordance with the latest edition of stated standard.
2. Flange/end connections are in accordance with ASME B16.5 or ASME B16.47.
3. Please consult SNY for other available sizes, classes and connections.

Class 150 & Class 300

MM Units

DN	Face to face(mm)				Other dimensions(mm)					Weights(kg)					
	Double Flanged	Double Flanged (long series)	Wafer & Lug	But-Weld	Double Flanged	Double Flanged (long series)	Wafer	Lug	But-Weld	Double Flanged	Double Flanged (long series)	Wafer	Lug	But-Weld	
	A ₁	A ₂	A ₃	A ₄	B	C	L	I	Y	F					
Class 150															
2"	109	178	43	150	100	241	157.5	26.5	100	42.5	27	27	24	24	23
2 ¹ / ₂ "	112	191	46	170	130	241	157.5	26.5	100	42.5	27	28	24	26	27
3"	114	203	48	180	130	241	217	28.6	200	52	28	30	26	27	33
4"	127	229	54	190	142	254	217	28.6	200	52	37	42	26	27	41
5"	140	254	57	200	180	265	217	28.6	200	52	43	47	24	25	39
6"	140	267	57	210	180	277	247	28.6	250	52	45	49	27	28	42
8"	152	292	64	230	215	322	297	40.5	400	71	70	74	43	46	56
10"	165	330	71	250	250	380	305	42	500	86	100	112	68	72	85
12"	178	356	81	270	285	415	346	48	600	104.5	150	165	100	110	130
14"	190	381	92	290	315	462	346	48	600	104.5	195	213	125	140	155
16"	216	406	102	310	360	523	387	55	600	130	256	290	155	201	215
18"	222	432	114	330	395	554	447	55	700	211	310	365	192	250	287
20"	229	457	127	350	440	592	500	59	500	263	390	456	290	340	362
22"	229	508	127	350	505	663	500	59	700	263	500	527	336	417	396
24"	267	508	154	390	505	663	500	59	700	263	550	595	375	490	440
26"	267	559	154	390	530	686	586	59	500	357	660	726	493	603	580
28"	292	610	229	430	575	782	658	83	700	169	790	863	560	798	710
30"	318	610	241	470	630	862	658	83	700	169	1000	1087	730	1000	790
32"	318	660	241	470	660	890	673	99	700	293	1300	1360	830	1150	875
34"	318	711	241	510	660	890	673	99	700	293	1420	1510	950	1304	1025
36"	330	711	241	510	745	964	696	115	700	285	1600	1693	1150	1550	1250
38"	330	762	300	550	745	964	696	115	700	285	1786	1918	1360	1788	1346
40"	410	762	300	550	795	1014	673	99	700	245	2050	2175	1620	2015	1503
42"	410	813	300	590	820	1039	673	99	700	245	2300	2390	1886	2295	1728
44"	470	813	300	590	875	1163	673	99	700	245	2480	2685	2013	2643	1900
46"	470	864	350	630	910	1185	796	115	700	288	2890	3095	2420	3045	2104
48"	470	864	350	630	945	1210	912	130	700	355	3300	3410	2756	3100	2304
50"	470	915	350	670	945	1210	912	130	700	355	3520	3660	3024	3487	2500
52"	530	915	370	670	990	1290	950	130	700	517	3800	4100	3315	3864	2825
54"	530	966	370	710	1025	1340	950	130	700	517	4400	4493	3675	4160	3146
56"	530	966	390	710	1040	1340	950	130	700	517	4585	4693	4023	4500	3475
58"	546	1017	390	750	1040	1303	950	130	700	517	4800	5150	4467	4880	3860
60"	600	1017	410	750	1145	1478	950	130	700	517	5500	6029	4996	5350	4260

2"	109	216	43	150	100	241	157.5	26.5	100	42.5	27	27	24	24	23
2 ¹ / ₂ "	112	241	46	170	130	241	157.5	26.5	100	42.5	27	28	24	26	27
3"	114	282	48	180	130	241	217	28.6	200	52	28	30	26	27	33
4"	127	305	54	190	142	254	217	28.6	200	52	37	42	26	27	41
5"	140	381	57	200	180	265	217	28.6	200	52	43	47	24	25	39
6"	140	403	59	210	190	297	297	40.5	400	71	65	83	34	43	71
8"	152	419	73	230	225	355	346	48	600	104.5	110	135	70	78	99
10"	165	457	86	250	260	411	387	55	600	130	170	195	110	130	130
12"	178	502	92	270	300	447	447	55	700	211	230	270	145	180	175
14"	190	762	117	290	335	509	500	59	700	263	330	430	220	295	260
16"	216	838	133	310	370	540	500	59	700	263	410	560	260	360	318
18"	222	914	149	330	410	573	586	59	500	357	500	710	345	480	402
20"	229	991	159	350	455	610	658	83	700	169	590	875	390	560	420
22"	229	1092	181	350	485	640	658	83	700	169	670	1067	551	690	450
24"	267	1143	183	390	522	730	696	115	700	285	97				

Class 600 & Class 900

DN	Face to face(mm)				Other dimensions(mm)						Weights(kg)				
	Double Flanged	Double Flanged (long series)	Wafer & Lug	But-Weld	B	C	L	I	Y	F	Double Flanged	Double Flanged (long series)	Wafer	Lug	But-Weld
	A ₁	A ₂	A ₃	A ₄											
Class 600															
3"	180	356	54	180	135	240	247	28.6	200	52	75	115	31	30	65
4"	190	432	64	190	200	340	297	40.5	300	71	95	150	70	75	72
5"	200	508	70	200	215	395	305	42	400	86	115	165	84	87	80
6"	210	559	78	210	235	425	346	48	500	104.5	144	194	99	104	94
8"	230	660	102	230	266	420	387	55	600	130	204	244	134	154	134
10"	250	787	117	250	300	500	447	55	500	211	327	427	212	247	234
12"	270	838	140	270	345	530	500	59	500	263	412	572	322	352	322
14"	290	889	155	290	385	555	500	59	500	263	502	722	362	402	342
16"	310	991	178	310	420	590	658	74	700	169	725	885	485	635	525
18"	330	1092	200	330	480	635	658	83	700	169	798	1078	548	728	618
20"	350	1194	216	350	525	800	673	99	700	245	1233	1483	683	1163	833
22"	350	1295	220	370	580	870	673	99	700	245	1393	1593	763	1233	983
24"	390	1397	232	390	605	900	673	99	700	245	1673	1883	883	1383	1203
26"	430	1450	250	405	630	920	673	99	700	245	1728	2183	1033	1483	1333
28"	430	1550	300	430	690	934	950	130	700	517	2200	3100	1700	2000	1900
30"	430	1651	300	470	710	1004	950	130	700	517	2900	4100	2300	2650	2100
32"	470	1778	300	470	780	1046	950	130	700	517	3050	5350	2500	2800	2300
34"	470	1900	320	470	780	1046	950	130	700	517	3500	6700	2780	3200	2600
36"	510	2083	350	510	860	1130	990	150	800	444	4880	9180	3630	4280	3980
38"	510	2200	350	510	860	1130	990	150	800	444	5000	10180	3880	4480	4180
40"	550	2300	350	530	980	1230	1102	175	1000	552	5850	11900	4900	5300	5000
42"	570	2500	400	570	992	1245	1102	175	1000	552	6980	13980	5180	6080	5780
44"	600	2500	430	570	992	1245	1102	175	1000	552	7280	14980	5480	6380	6160
46"	630	2800	470	600	1150	1390	1242	190	1000	604	8950	17150	6950	8250	7850
48"	630	3000	470	600	1150	1390	1242	190	1000	604	9390	19150	7450	8950	8650

Class 900

6"	225	610	140	225	250	382	346	48	500	104.5	179	224	94	204	119
8"	292	737	230	230	300	485	447	55	500	211	337	427	197	352	212
10"	290	838	250	250	362	522	500	59	500	263	462	572	292	522	312
12"	290	965	270	290	403	556	500	59	500	263	580	782	352	662	392
14"	290	1029	270	290	415	597	658	74	700	169	655	935	405	735	425
16"	310	1130	270	310	455	685	673	99	700	245	933	1183	593	1013	683
18"	390	1219	300	390	530	780	673	99	700	245	1313	2283	713	1233	963
20"	430	1321	350	430	580	826	673	99	700	245	1683	3483	883	1483	1183
22"	470	1321	350	470	580	826	673	99	700	245	1683	3483	883	1483	1183
24"	470	1549	350	470	670	1000	912	130	700	355	2950	5550	1950	2610	2050
26"	510	1712	400	510	670	1000	912	130	700	355	3350	7550	2150	2750	2230
28"	550	1845	400	550	800	1002	950	130	700	517	3720	9100	2500	3300	2500
30"	550	1905	440	550	820	1072	950	130	700	517	4680	10600	2700	3800	2880
32"	590	2092	440	590	800	1002	990	150	800	444	5803	9680	3080	3880	3080
34"	590	2154	490	590	918	1152	990	150	800	444	6305	13180	3980	5080	4180
36"	630	2286	490	540	950	1222	990	150	800	444	6530	15180	4680	6430	4300

Class 600 & Class 900

DN	Face to face(inches)				Other dimensions(inches)					
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Double Offset Butterfly Valves

The double offset-type design of the valve ensures excellent sealing performance. The disc detaches from the valve seat immediately upon valve opening, which minimizes the possibility of seat wear compared to traditional center line-type butterfly valves.

The SNY double offset-type butterfly valve features a double offset-type design with one-quarter turn. It has the advantages of light weight, compact structure, and low operating torque, among others.

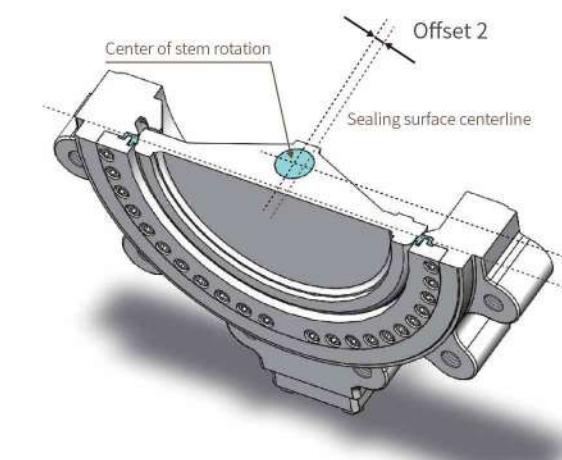
Design Standards

Basic Design	API 609
Face to Face	ISO 5752
Flange End	ASME B16.5/ASME B16.47
Pressure-temp Rating	ASME B16.34/API 609
Inspection and Test	API 598

Scope of Product

Size:	2~80"
Class:	150LB~600LB
Temp:	-50~200°C
Ends:	RF, Wafer, Lug
Materials:	CS, LTCS, SS, DSS, Inconel, Monel etc.

Design Features

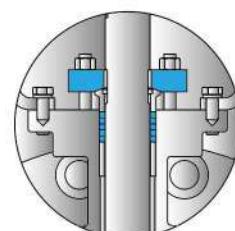
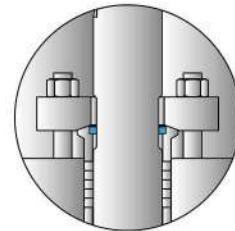
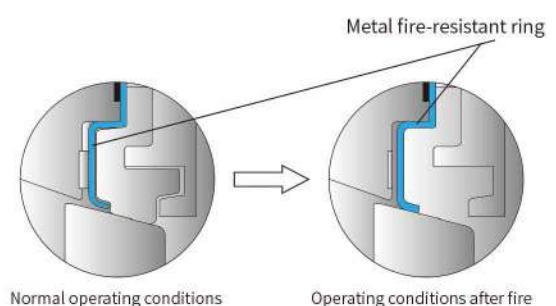
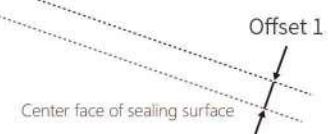


Offset 1

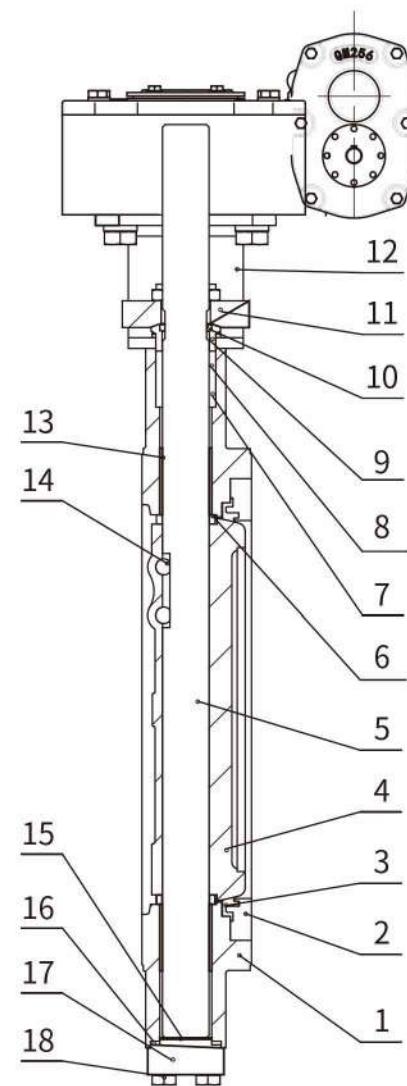
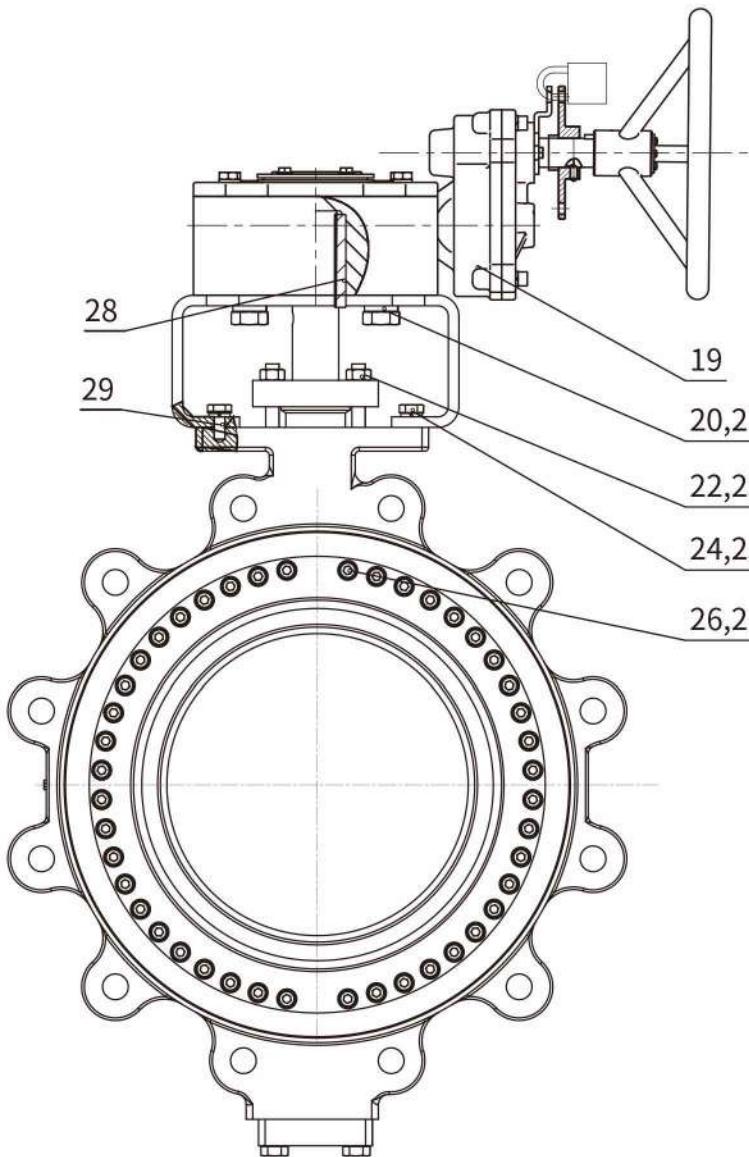
The center of the valve stem is higher than the sealing surface, which guarantees the continuity of the sealing surface.

Offset 2

The center of the valve stem deviates from the center of the valve body, which reduces the opening friction force between the disc and seat.



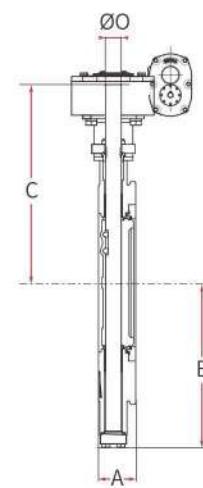
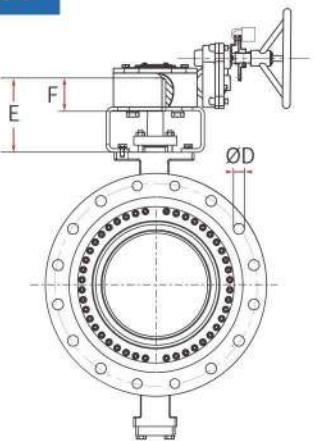
Material Specifications



No.	Part	Material
1	BODY	CF8M
2	RETAINER FLANGE	F316
3	SEAT	RPTFE
4	DISC	CF8M
5	STEM	17-4PH
6	STOP COLLAR	316
7	SPACER	316
8	PACKING	PTFE
9	PACKING BUSHING	316
10	SEPERATE RING	316
11	GLAND FLANGE	F316
12	BRACKET	S.S
13	BEARING	316+PTFE
14	PIN	A4
15	THRUST WASHER	PTFE
16	GASKET	316+GRAPHITE
17	BOTTOM FLANGE	CF8M
18	BOLT	A4-70
19	GEAR BOX	ASSEMBLY
20	BOLT	A4-70
21	SPRING WASHER	SS
22	BOLT	A4-70
23	NUT	A4
24	BOLT	A4-70
25	SPRING WASHER	316SS
26	SCREW	A4-70
27	SPRING WASHER	316SS
28	KEY	45
29	PIN	A4

Dimensions & Weights

Double Flanged

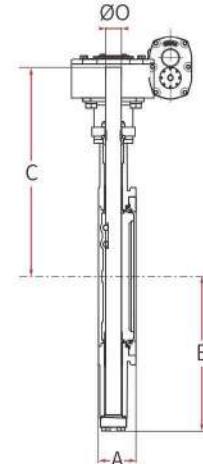
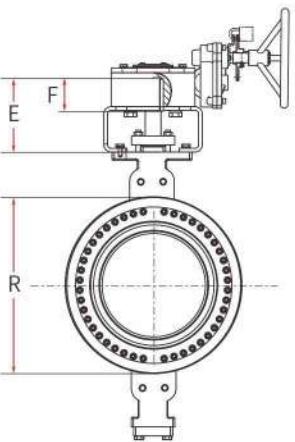


DN	NPS	ASME 150 & PN10-16							ASME 300 & PN25-40								
		A	B	C	D	E	F	O	Weights (kg)	A	B	C	D	E	F	O	Weights (kg)
80	3	114	109	226	19	105	25	15	10	114	109	226	22.2	105	25	15	15
100	4	127	129	258	19	125	35	20	18	127	129	258	22.2	125	35	20	25
150	6	140	159	277	22.2	125	35	20	26	140	178	321	22.2	136	46	25	47
200	8	152	187	323	22.2	136	46	25	43	152	215	381	25.4	168	58	35	71
250	10	165	226	393	25.4	161	51	30	61	165	254	442	28.5	188	68	40	108
300	12	178	262	428	25.4	168	58	35	94	178	301	535	31.7	230	90	50	169

*Dimensions(mm)

Double Flanged

Wafer

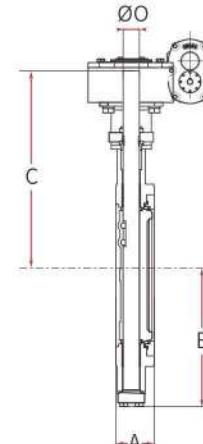
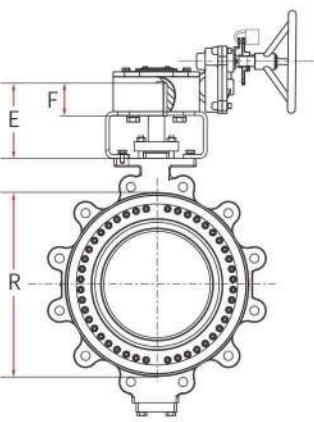


DN	NPS	ASME 150 & PN10-16							ASME 300 & PN25-40								
		A	B	C	E	F	R	O	Weights (kg)	A	B	C	E	F	R	O	Weights (kg)
80	3	48	109	226	105	25	131	17.0	5	48	109	226	105	25	131	17.0	6
100	4	54	129	258	125	35	156	22.2	7	54	129	258	125	35	156	22.2	8
150	6	57	159	277	125	35	217	22.2	14	59	178	321	136	46	217	27.8	16
200	8	64	187	323	136	46	267	27.8	21	73	215	381	168	58	280	39.1	35
250	10	71	226	393	161	51	328	32.9	32	83	254	442	188	68	340	44.2	60
300	12	81	262	428	168	58	375	39.1	44	92	301	535	230	90	400	55.5	91

*Dimensions(mm)

Wafer

Lug



DN	NPS	ASME 150 & PN10-16							ASME 300 & PN25-40								
		A	B	C	E	F	R	O	Weights (kg)	A	B	C	E	F	R	O	Weights (kg)
80	3	48	109	226	105	25	135	17.0	8	48	109	226	105	25	191	17.0	10
100	4	54	129	258	125	35	222	22.2	13	54	129	258	125	35	222	22.2	14
150	6	57	159	277	125	35	257	22.2	18	59	178	321	136	46	306	27.8	28
200	8	64	187	323	136	46	319	27.8	30	73	215	381	168	58	365	39.1	46
250	10	71	226	393	161	51	391	32.9	43	83	254	442	188	68	431	44.2	84
300	12	81	262	428	168	58	458	39.1	59	92	301	535	230	90	493	55.5	113

*Dimensions(mm)

Lug



Automated Double Offset Butterfly Valve

Overview

Design standard: API609
Offset disc
Zero leakage
Soft seat, low torque
Blow-out proof stem
Top flange to ISO5211



Automated Triple Offset Butterfly Valve

Overview

Design standard: API609
Offset disc
Zero leakage
Low friction closing
Blow-out proof stem
Top flange to ISO5211

Scope of Product

Size:	3"~120"
Rating:	150#, 300#, 600#
Temp:	-40~120°C
Body:	CS, SS, Alloy, Duplex SS
Seal Mat:	EPDM, NBR, PTFE, Viton
Connection:	Wafer, Lug, Double flange

Applicable industry

Potable & waste water
Power plant
Ship building paper mills & general industry
Throttling flow
Water, oil & gas

Operation

Lever / Gearbox
Pneumatic Actuator
Electric Actuator
Hydraulic Actuator
Gas – hydraulic Actuator
Electric – hydraulic Actuator

Available automation solution

Remote Operated Valves (ROV)
Emergency Shut Down Valves (ESDV)
Motor Operated Valves (MOV)
Hydraulically Operated Valves
Gas Operated Valves

Scope of Product

Size:	3"~80"
Rating:	150#~2500#
Temp:	-196~650°C
Body:	CS, SS, Alloy, Duplex SS
Seal Mat:	METAL,LAMINATED
Connection:	Wafer, Lug, BW, Double flange

Applicable industry

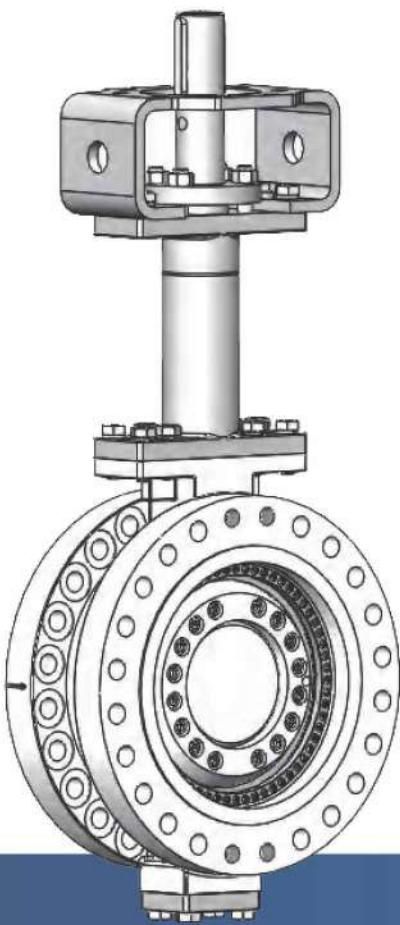
Petrochemical & refining plants
Marine, paper mills & minerals processing
LNG
Throttling flow
Water, oil & gas
Unsuitable for dry powder media
Cryogenic or high-temperature modified design

Operation

Lever / Gearbox
Pneumatic Actuator
Electric Actuator
Hydraulic Actuator
Gas – hydraulic Actuator
Electric – hydraulic Actuator

Available automation solution

Remote Operated Valves (ROV)
Emergency Shut Down Valves (ESDV)
Motor Operated Valves (MOV)
Hydraulically Operated Valves
Gas Operated Valves



Cryogenic Triple Offset Butterfly Valve

The SNY cryogenic valves are suitable for cryogenic service below -196 ° C. They are designed with advanced concepts, high-precision machining, rigorous process management, and strict production controls. This results in outstanding advantages, such as reliable sealing, low operating torque, high cryogenic stability, and long service life. The SNY cryogenic valves are widely used in liquefied natural gas, liquefied petroleum gas, air separation, and other cryogenic applications.

Overview

Design standard: API609

Offset disc

Zero leakage

Low friction closing

Blow-out proof stem

Top flange to ISO5211

Scope of Product

Size: 3"~80"

Rating: 150#~2500#

Temp: -254~650°C

Body: CS, SS, Alloy, Duplex SS

Seal Mat: METAL,LAMINATED

Connection: Wafer,Lug,BW,Double flange

Design Features

- Designed with extended bonnet.
- Designed with fugitive emission.
- Resilient hard seals.
- Triple offset-type design.
- Torque forced seals.
- Replaceable valve seat and sealing.
- The top entry design can achieve online maintenance.
- Intrinsic fire-safe design.
- Drip plate with standard construction to prevent condensation water from entering the insulation.

Available automation solution

- Remote Operated Valves (ROV)
- Emergency Shut Down Valves (ESDV)
- Motor Operated Valves (MOV)
- Hydraulically Operated Valves
- Gas Operated Valves

Applicable industry

- Petrochemical
- Refining plants
- Marine & paper mills
- Minerals processing
- LNG
- Throttling flow
- Water, oil & gas
- Unsuitable for dry powder media
- Cryogenic or high-temperature modified design

Operation

- Lever / Gearbox
- Pneumatic Actuator
- Electric Actuator
- Hydraulic Actuator
- Gas – hydraulic Actuator
- Electric – hydraulic Actuator



Cryogenic test



Professional purification room



PRODUCT WARRANTY

SNY offer the product warranty within 18 months from the date of shipment or 12 months after installation, whichever occurs first.