SEDELON VALVES

GlOBE VALVE
CHECK VALVE
STRAINER

Cast Globe Valve
Forged Globe Valve
Cast Check Valve
Forged Check Valve
Y Strainer & Basket Strainer

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Киргизия (996)312-96-26-47
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Казахстан (772)734-952-31
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Таджикистан (992)427-82-92-69
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

https://sedelon.nt-rt.ru/ || sde@nt-rt.ru

SEDELON VALVES

Gate Valve Series

Globe Valve Series Check Valve Series Strainer Series

Ball Valve Series

Butterfly Valve Series Plug Valve Series

Bronze Valve Series

Dear and Valuable Customer,

Believe and it becomes-SEDELON!

I am writing this letter to thank you for all your trust and support for SEDELON.
I believe you may here find a new continent.

Since 1998, Sedelon has rich experience and various achievement of gate valves, globe valves,check valves, ball valves, and butterfly valves for environment and safety in industrial projects.

Based on your ceaseless valuable feedback, Sedelon now has developed into a strong valve manufacturer which highly devotes to Quality and Service.
What we desire presently is to exceed our customers' expectation and lead a long-term enjoyable relationship with you.

Sincerely and warmly welcome your visit to Sedelon , we are always saving the best for you.Trust Sedelon, trust yourself.

May blessings and happiness all around you.
Faithfully

Sam Zhang

Sedelon Valve Timeline

Following a rich history timeline of Sedelon Valve is proud to share.

1998

The Sedelon Valve Co., Ltd.was founded in Wenzhou, the land of Valves and Pumps.
Sedelon introduced advanced mechanical equipment and absorbing talents.
Company official website in Chinese was set up.
Sedelon had set company's original target: Marching towards the global market.

2004

Sedelon Began exporting products to foreign countries.
Sedelon got API 6D MONOGRAM Certificate, CE, ISO 9001-2008, TS.First time to manufacture large size gate valve of 36'' 600LB.

2008

To provide a better working environment for employees, the plant was expanded and redecorated.
To expand productivity and enhance quality control, Plasma Spray Welding, VOC, Low Emission Inspection Device and other equipment were introduced, which had great improvement for valves sealing tightness and overall quality.
Sedelon Trade team attended Canton Fair.

2012

Company CEO Mr. Shibo Zhang visited GOC, a large Korea Chemical Company, to inspect the application of Sedelon valves in project. In addition, he visited Indonesia, Dubai, Brazil,Georgia and other countries for Oil&Gas energy projects.
Sedelon Valve Company became the member of CTC (Cloud Top Commerce) -Wenzhou Business Association.
Sedelon Valve acquired Fugitive Emission Test Certificate for Gate Valves.
Sedelon Valve acquired Fugitive Emission Test Certificate for Globe Valves.

2015

Corporate Mission:
Create Value for Clients,
Create Opportunities for Staff,
Create Efficiency for Corporate,
Create wealth for Society.
Quality + Service = Satisfaction

To be continued · · ·

China

Since 1998

About Us

Sedelon

Sedelon Valve Company is Established in 1998. Based in "The city of Valves and Pumps" Wenzhou, Zhejiang, China, This Company is a Professional Manufacturer.

The main products of this company are Bronze valves, API/DIN gate/globe/ check valves, ball valves, butterfly valves,forged steel valves, ect. Its products have been widely used in petroleum, chemical, metallurgy, electric power, water conservancy, machinery and many other fields.

In order to provide customer high-quality and better service, the company has equipped the system certification such as API6D, CE, ISO9001, TS, Fugitive Emission Certificates, ect.

We have a strong management team which is formed by advanced technical experts, engineers, managers and salesmen. We emphasize the importance of teamwork. Working together and helping each other, we are just like a big and warm family.

The members of Sedelon all uphold the core concept of
"Quality + Service = Satisfaction".
We sincerely provide you high-quality products and excellent service. We are striving to be your first choice of manufacturer and supplier.

Sedelon

Producing Equipment

In order to improve the comprehensive strength and provide high performance products, Sedelon had tried our best to meet various requirements from customers by introducing advanced technology equipment. These producing equipment are necessary in valve production and we choose the superior.

- Vertical lathe
- Boring machine
- Engine lathe
- Milling machine
- Drilling machine
- Plasma spray welding machine
- Shot blasting machine
- Numerically controlled lathe
- Forklift trucks

As we all know, quality is the core of a brand, so Sedelon has built a very strict procedure for valve testing, following is our major testing equipment, some of which are imported from abroad.

Testing Equipment

- Automated Discrete Analyzer
- Fugitive Emission Testing(VOC)
- Impact Testing Machine
- Penetrant Testing
- Professional Paint Equipment
- Spectrometer(PMI)
- Wall Thickness Measurement Gauge
- Tension Test Machine
- Valve Pressure Test Device(From 150# to 2500# for 1/2" to 60")

Certificates

Sedelon Valve company compay to date has obtained the following
main certifications :
CE,API6D,ISO9001,TS,Fugitive Emission Test Certificate and more to come.
We cherish our honor, We cherish our brand,
we believe that we will be better in the near future.

Sedelon®
Fugitive Emission Valves

Environmental Protection is Also Our Top Concern.
Sedelon Acquired Fugitive Emission Test Certificate.
Customized Packing Material, Perfect Sealing Performance.

Fugitive Emission Definition：
Pollutant released into air from leaks in equipment, pipe lines, seals, valves, etc., and not from the usual sources such chimneys and vents.

Protection of the Environment：
Environmental protection has been a top-concern topic of the whole world. Solutions are urgently needed to reduce the pressure loss and gas emission.

Perfect Sealing Performance：
Fugitive Emission Valves have already been adopted for the pipes in which the medium is poisonous, flammable and combustible. Gaskets and packing with high density and tightness are key points to avoid the emission.

Specialized Equipment：
The Leakage cannot be judged only by regular Air Test or Hydrostatic Test.
In this case, helium instead of nitrogen will be used for the testing. Under the operation of the special facility, valves will be opened and closed automatically and frequently at the speed of 50 times per minutes to ensure the tightness.
In the whole process, VOC testing facility is equipped nearby to monitor the sealing performance.

Contents

Globe Valve Series

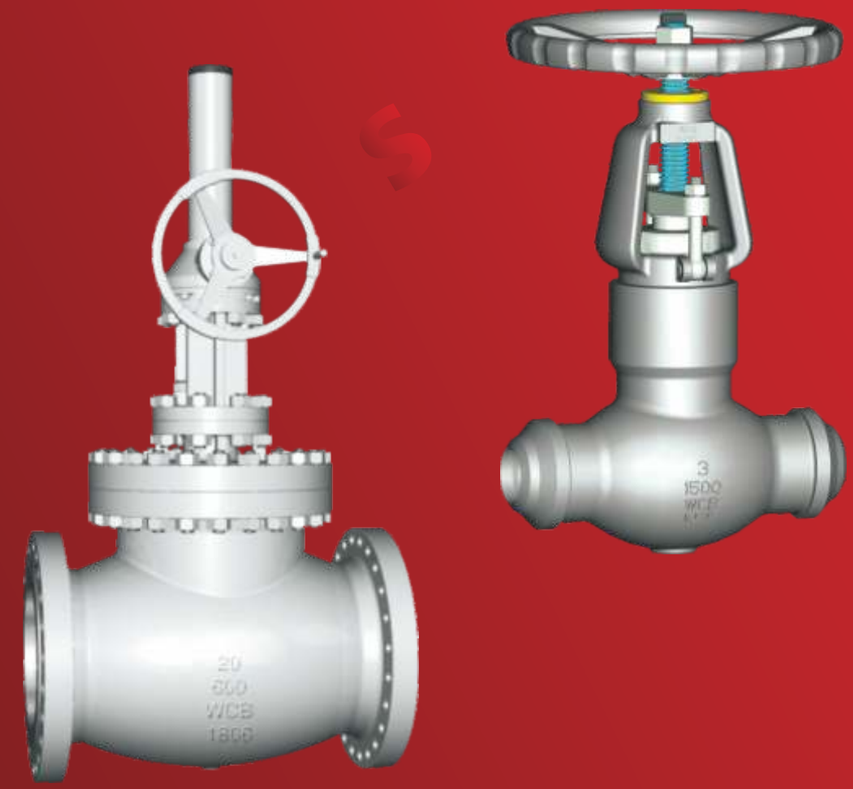
Check Valve Series

Y Type & Basket Strainer

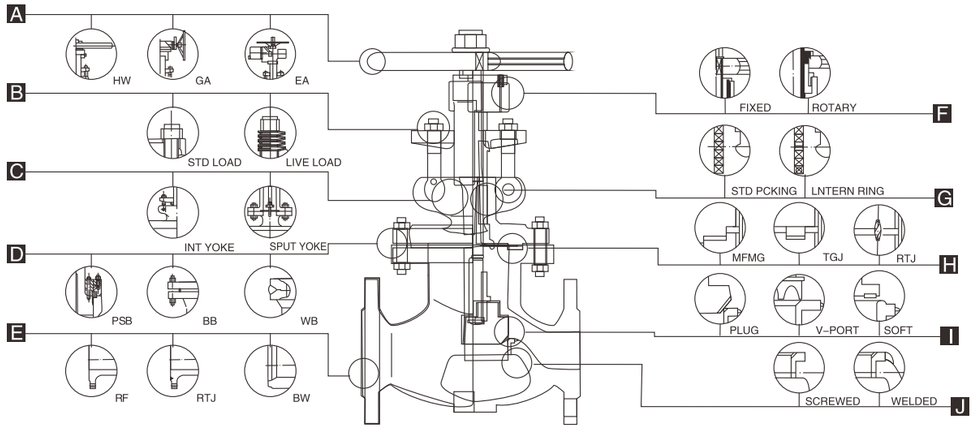
Flanged Ends 150#~2500#

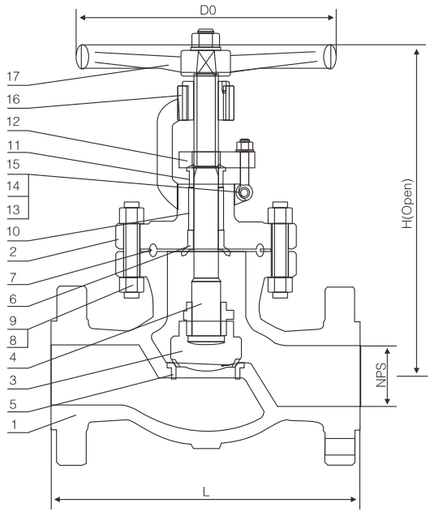
Sedelon

Globe Valves, Cast Steel, Type: Bolted Bonnet Pressure Seal



Sedelon Globe Valve Series





Materials of parts

No	Part Name	ASTM Materials Carbon Steel	1¼Cr–½Mo	Carbon Steel
1	Body	A216–WCB	A217–WC6	A352–LCB
2	Bonnet	A216–WCB	A217–WC6	A352–LCB
3	Disc	A105+CR13	A182–F11+HF	A350–LF2+CR13
4	Stem	A182–F6a	CR–MO–V	A182–F6a
5	Seat Ring	A105+HF	A182–F11+HF	A350–LF2+HF
6	Stem Backseat	A276–420	A276–304	A276–420
7	Bonnet Gasket	SteelRing	304SS Ring	Steel Ring
8	Bonnet Stud	A193–B7	A193–B16	A320–L7
9	Bonnet Stud Nut	A194–2H	A194–7	A194–4
10	Packing		Graphite	
11	Gland	A276–420	A276–304	A276–420
12	Gland Flange	A216–WCB	A217–WC6	A352–LCB
13	Eyebolt Pin	Carbon Steel	A276–420	Carbon Steel
14	Eyebolt	Carbon Steel	A193–B7	Carbon Steel
15	Eyebolt Nut	Carbon Steel	A194–2H	Carbon Steel
16	Yokesleeve		Aluminum–Bronze[1)]	
17	Handwheel		Malleable Iron	

Note:1)Ductile Ni–resist optional
2)Disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

A Operation

Hand wheel operated
Gear operated
Motor operated
Pneumatic operated
Hydraulic operated

B Live Load Packing

Requiring frequent cycling or with high pressure/temperature variations,live loading extends the service life between maintenance periods.
Belleville springs are employed to provide constant packing gland stress.

C OS & Y

Outside screw and yoke, cast steel globe valve yoke integral with bonnet for 10" and smaller,larger will be split yoke.

D BB

Bolted bonnet
Welding bonnet
Pressure seal bonnet

E End Connections

Flanged
RTJ/RJ flanged
Butt welding

F Yoke sleeve

Furnished in aluminum bronze to reduce operating torque. Most size furnished with ball bearing yoke sleeves.

G Lantern Ring And Double Packing Set

Lantern ring leak–off fitting connection and double packing stack is optionally avaliable for critical services

H Body–to–Bonnet Joint

A male and female joint or tongue and groove joint is used 150LB to 600LB valves,ring joint is used in body to bonnet connection in 900LB&higher rated valves.

I Disc

Plug disc
V–port disc
Soft PTFE ring disc

J Seat Rings

Separate heavy duty,full ported rings for easy maintenance.Screwed or welded connection into body.

Applicable standards:

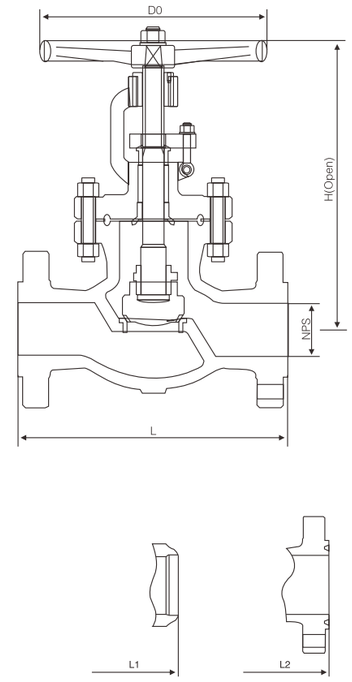
- STEEL GLOBE VALVES BS 1873/16.34
- STEEL VALVES,ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES,ASME B16.5
- BUTTWELDING ENDS,ASME B16.25
- INSPECTION AND TEST ,API 598

Design descriptions:

- STRAIGHT PATTERN BODY DESIGN
- OS&Y,OUTSIDE SCREW AND YOKE
- BB,BOLTED BONNET
- YOKE INTEGRAL WITH BONNET
- RISING STEM AND HANDWHEEL
- LOOSE DISC,CHOICE OF PLUG OR BALL
- RENEWABLE SEAT RING
- IMPACT HANDWHEEL FOR 10"&ABOVE
- HORIZONTAL SERVICE
- FLANGED OR BUTTWELDING ENDS
- AVAILABLE WITH BG OPERATOR

Sedelon

Cast Steel Globe Valve
150# 300#



Dimensional datas

NPS	DN	L/L1 (RF/BW)		L2 (RTJ)		H (open)		D0		WT(kg)	
		ANSI Class150#									
2	50	8.00	203	8.00	203	15.00	380	7	180	18	14
2 1/2	65	8.50	216	8.50	216	21.00	535	10	240	30	22
3	80	9.50	241	9.50	241	17.50	445	11	280	41	33
4	100	11.50	292	11.50	292	20.25	515	11	280	64	43
6	150	16.00	406	16.00	406	22.00	560	13	320	86	72
8	200	19.50	495	19.50	495	24.25	615	13	320	110	88
10	250	24.50	622	24.50	622	32.00	815	16	400	280	245
12	300	27.50	698	27.50	698	35.88	910	18	450	380	345
14	350	31.00	787	31.00	787	48.38	1230	20	500	510	450
16	400	36.00	914	36.00	914	57.00	1450	24	600	740	665
in	mm	in	mm	in	mm	in	mm	in	mm	RF	BW

NPS	DN	L/L1 (RF/BW)		L2 (RTJ)		H (open)		D0		WT(kg)	
		ANSI Class300#									
2	50	10.50	267	11.12	282	16.75	425	8	200	25	20
2 1/2	65	11.50	292	12.12	308	19.00	485	10	240	32	22
3	80	12.50	318	13.12	333	19.88	505	11	280	38	27
4	100	14.00	356	14.62	371	22.50	570	13	320	56	41
6	150	17.50	444	18.12	460	25.25	640	16	400	96	75
8	200	22.00	559	22.62	575	33.25	845	18	450	150	117
10	250	24.50	622	25.12	638	35.50	900	20	500	360	310
12	300	28.00	711	28.62	727	38.62	980	24	600	550	492
14	350	–	–	–	–	–	–	–	–	–	–
16	400	–	–	–	–	–	–	–	–	–	–
in	mm	in	mm	in	mm	in	mm	in	mm	RF/RTJ	BW

Sedelon

Cast Steel Globe Valve
600# 900# 1500# 2500#

Dimensional datas

NPS	DN	L/L1 (RF/BW)		L2 (RTJ)		H (open)		D0		WT(kg)	
		ANSI Class600#									
2	50	11.50	292	11.62	295	17.50	445	10	240	35	27
2 1/2	65	13.00	330	13.12	333	19.75	502	11	280	50	34
3	80	14.00	356	14.12	359	21.00	533	13	320	60	42
4	100	17.00	432	17.12	435	24.50	622	16	400	110	84
6	150	22.00	559	22.12	562	29.50	750	18	450	230	192
8	200	26.00	660	26.12	663	36.50	927	20	500	410	350
10	250	31.00	787	31.12	790	44.88	1140	24	600	770	680
12	300	33.00	838	33.12	841	53.12	1350	24	600	1140	1030
in	mm	in	mm	in	mm	in	mm	in	mm	RF/RTJ	BW

NPS	DN	L/L1 (RF/BW)		L2 (RTJ)		H (open)		D0		WT(kg)	
		ANSI Class900#									
2	50	14.50	368	14.62	371	22.00	560	11	280	57	41
2 1/2	65	16.50	419	16.62	422	23.25	590	13	320	82	53
3	80	15.00	381	15.12	384	25.25	640	16	400	91	58
4	100	18.00	457	18.12	460	31.88	810	18	450	168	117
6	150	24.00	610	24.12	613	41.38	1050	20	500	365	238
8	200	29.00	737	29.12	740	53.50	1360	24	600	665	538
10	250	33.00	838	33.12	841	61.88	1570	24	600	1250	1060
12	300	–	–	–	–	–	–	–	–	–	–
in	mm	in	mm	in	mm	in	mm	in	mm	RF/RTJ	BW

Dimensional datas

NPS	DN	L/L1 (RF/BW)		L2 (RTJ)		H (open)		D0		WT(kg)	
		ANSI Class1500#									
2	50	14.50	368	14.62	371	22.00	560	13	320	68	57
2 1/2	65	16.50	419	16.62	422	23.25	590	16	400	97	81
3	80	18.50	470	18.62	473	29.50	750	18	450	116	95
4	100	21.50	546	21.62	549	36.00	915	20	500	215	184
6	150	27.75	705	28.00	711	48.62	1235	24	600	445	347
8	200	32.75	832	33.12	841	65.00	1650	28	700	795	635
in	mm	in	mm	in	mm	in	mm	in	mm	RF/RTJ	BW

NPS	DN	L/L1 (RF/BW)		L2 (RTJ)		H (open)		D0		WT(kg)	
		ANSI Class2500#									
2	50	17.75	451	17.88	454	25.50	650	16	400	97	72
2 1/2	65	20.00	508	20.50	414	28.12	715	18	450	138	95
3	80	22.75	578	23.00	584	32.50	825	20	500	167	108
4	100	26.50	673	26.88	683	47.00	1195	24	600	305	196
6	150	36.00	914	36.50	927	70.50	1790	28	700	633	351
8	200	–	–	–	–	–	–	–	–		–
in	mm	in	mm	in	mm	in	mm	in	mm	RF/RTJ	BW

Applicable standards:

- STEEL GLOBE VALVES BS 1873/16.34
- STEEL VALVES,ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES,ASME B16.5
- BUTTWELDING ENDS,ASME B16.25
- INSPECTION AND TEST ,API 598

Design descriptions:

- STRAIGHT PATTERN BODY DESIGN
- OS&Y,OUTSIDE SCREW AND YOKE
- BB,BOLTED BONNET
- YOKE INTEGRAL WITH BONNET
- RISING STEM AND HANDWHEEL
- LOOSE DISC,CHOICE OF PLUG OR BALL
- RENEWABLE SEAT RING
- IMPACT HANDWHEEL FOR 10"&ABOVE
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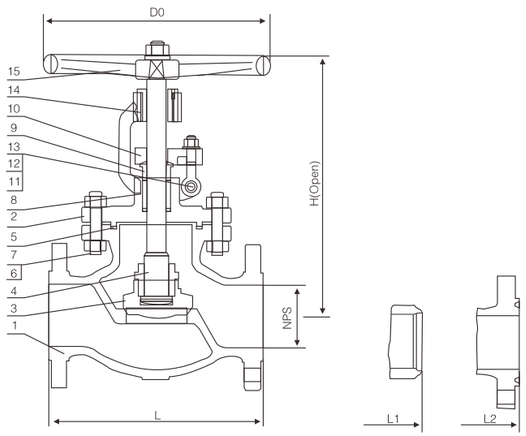
Sedelon

Stainless Steel Globe Valve



Materials of parts

No	Part Name	ASTM Materials				
1	Body	A351–CF8	A351–CF8M	A351–CF3M	A351 CN7M	A890 4A
2	Bonnet	A351–CF8	A351–CF8M	A351–CF3M	A351 CN7M	A890 4A
3	Disc	A351–CF8	A351–CF8M	A351–CF3M	Alloy 20	A182 F51
4	Stem	A182–F304	A182–F316	A182–F316L	Alloy 20	A182 F51
5	Bonnet Gasket[1)]	Graphite+304	Graphite+316	Graphite+316L	316+Graphite	316+Graphite
6	Bonnet Stud	A193–B8	A193–B8M	A193–B8M	A193 –B8M	A193 –B8M
7	Bonnet Stud Nut	A194–8	A194–8M	A194–8M	A194 –8M	A194 –8M
8	Packing[2)]	Graphite				
9	Gland	A276–304	A276–316	A276–316L	Alloy 20	A182 F51
10	Gland Flange	A351–CF8	A351–CF8M	A351–CF8M	A351 CN7M	A890 4A
11	Eyebolt Pin	A276–304	A276–316	A276–316	A276 316	A276 316
12	Eyebolt	A193–B8	A193–B8	A193–B8	A193 –B8M	A193 –B8M
13	Eyebolt Nut	A194–8	A194–8	A194–8	A194 –8M	A194 –8M
14	Yokesleeve	Aluminum–Bronze[3)]				
15	Handwheel	Malleable Iron				

Note:1) Spiral wound construction, teflon optional
2)Teflon optional.
3)Ductile Ni–resist optional.
4)Disc and seat(integral with body)may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown

Applicable standards:

- STEEL GLOBE VALVES, API 603
- STEEL VALVES,ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES,ASME B16.5
- BUTTWELDING ENDS, ASME B16.25
- INSPECTION AND TEST, API 598

Design descriptions:

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- LOOSE DISC,CHOICE PLUG OR BALL
- SEAT RINGS INTEGRAL WITH BODY
- IMPACT HANDWHEEL FOR 10"& ABOVE
- HORIZONTAL SERVICE
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Sedelon

Stainless Steel Globe Valve
150# 300# 600#

Dimensional datas of ANSI Class 150#

NPS / DN	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	
	15	20	25	40	50	65	80	100	150	200	250	300	350	400	mm
L/L1 (RF/BW)	4.25	4.62	5.00	6.50	8.00	8.50	9.50	11.50	16.00	19.50	24.50	27.50	31.00	36.00	in
	108	117	127	165	203	216	241	292	406	495	622	698	787	914	mm
L2 (RTJ)	–	–	–	–	8.50	9.00	10.00	12.00	16.50	20.00	25.00	28.00	31.50	36.50	in
	–	–	–	–	216	229	254	305	419	508	635	711	800	927	mm
H (open)	7.00	7.5	8.25	9.25	15.00	21.00	17.50	20.25	22.00	24.25	32.00	35.88	48.38	57.00	in
	180	190	210	235	380	535	445	515	560	615	815	910	1230	1450	mm
D0	4	4	4	6	7	10	11	11	13	13	16	18	20	24	in
	100	100	100	140	180	240	280	280	320	320	400	450	500	600	mm
WT(kg)	3	3.5	4.5	11	18	30	41	64	86	110	280	380	510	740	BW
	2.5	3	4	8	14	22	33	43	72	88	245	345	450	665	RF/RTJ

Dimensional datas of ANSI Class 300#

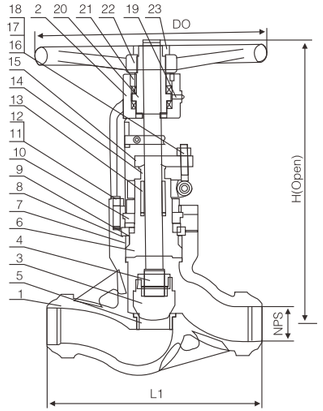
NPS / DN	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	
	15	20	25	40	50	65	80	100	150	200	250	300	350	400	mm
L/L1 (RF/BW)	6.00	7.00	8.00	9.00	10.50	11.50	12.50	14.00	17.50	22.00	24.50	28.00	–	–	in
	152	178	203	229	267	292	318	356	444	559	622	711	–	–	mm
L2 (RTJ)	–	–	–	–	11.12	12.12	13.12	14.62	18.12	22.62	25.12	28.62	–	–	in
	–	–	–	–	282	308	333	371	460	575	638	727	–	–	mm
H (open)	7.00	7.50	8.25	9.25	16.75	19.00	19.88	22.50	25.25	33.25	35.50	38.62	–	–	in
	180	190	210	235	425	485	505	570	640	845	900	980	–	–	mm
D0	4	4	4	6	8	10	11	13	16	18	20	24	–	–	in
	100	100	100	140	200	240	280	320	400	450	500	600	–	–	mm
WT(kg)	4	4.5	6	15	25	32	38	56	96	150	360	550	–	–	BW
	3	3.5	5	12	20	22	27	41	75	117	310	492	–	–	RF/RTJ

Dimensional datas of ANSI Class 600#

NPS / DN	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	
	15	20	25	40	50	65	80	100	150	200	250	300	350	400	mm
L/L1 (RF/BW)	6.50	7.50	8.50	9.50	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	–	–	in
	165	190	216	241	292	330	356	432	559	660	787	838	–	–	mm
L2 (RTJ)	–	–	–	–	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	–	–	in
	–	–	–	–	295	333	359	435	562	663	790	841	–	–	mm
H (open)	7.25	7.62	9.00	11.00	17.50	19.75	21.00	24.50	29.50	36.50	44.88	53.12	–	–	in
	185	195	230	280	445	502	533	622	750	927	11.40	1350	–	–	mm
D0	4	4	6	5	10	11	13	16	18	20	24	24	–	–	in
	100	100	140	200	240	280	320	400	450	500	600	600	–	–	mm
WT(kg)	6	8	14	23	35	50	60	110	230	410	770	1140	–	–	BW
	4.8	6.2	9.5	16.5	27	34	42	84	192	350	680	1030	–	–	RF/RTJ

Sedelon

Pressure Seal
Cast Steel Globe Valve



Materials of parts

No	Part Name	ASTM Materials				
1	Body	A216–WCB	A217–WC6	A351–CF8M	A351 CN7M	A890 4A
2	Yoke	A216–WCB	A217–WC6	A351–CF8M	A351 CN7M	A890 4A
3	Disc	A216–WCB+HF	A217–WC6+HF	A351–CF8M+HF	Alloy 20	A182 F51
4	Stem	A182–F6a	CR–MO–V	A182–316	Alloy 20	A182 F51
5	Seat Ring	A105+HF	A182–F11+HF	A240–316+HF	Alloy 20	A182 F51
6	Bonnet	A105	A182–F11	A240–316	Alloy 20	A182 F51
7	Bonnet Gasket[1)]	Steel Ring	304SS Ring	316SS Ring	316+Graphite	316+Graphite
8	Adapter Ring	Carbon Steel	A276–420	A276–316	Alloy	A182 F51
9	Retainer	Carbon Steel	A276–420	A276–316	Alloy	A182 F51
10	Yoke Cap	Carbon Steel	Alloy Steel	Stainless Steel	Alloy	A182 F51
11	Bonnet Stud	A193–B7	A193–B16	A193–B8M	A193 –B8M	A193 –B8M
12	Bonnet Stud Nut	A194–2H	A194–7	A194–8M	A194 –8M	A194 –8M
13	Packing	Graphite				
14	Gland	A276–420	A276–304	A276–316L	Alloy 20	A182 F51
15	Gland Flange	A216–WCB	A217–WC6	A351–CF8M	A351 CN7M	A890 4A
16	Eyebolt Pin	Carbon Steel	A276–420	A276–316	A276 316	A276 316
17	Eyebolt	Carbon Steel	A193–B7	A193–B8	A193 –B8M	A193 –B8M
18	Eyebolt Nut	Carbon Steel	A194–2H	A194–8	A194 –8M	A194 –8M
19	Grease Fitting	Brass+Steel				
20	Yokesleeve	Aluminum–Bronze[2)]				
21	Yokesleeve Jam Nut	CarbonSteel		Stainless Steel		
22	Handwheel	Malleable Iron				
23	Handwheel Nut	Carbon Steel				

Applicable standards:

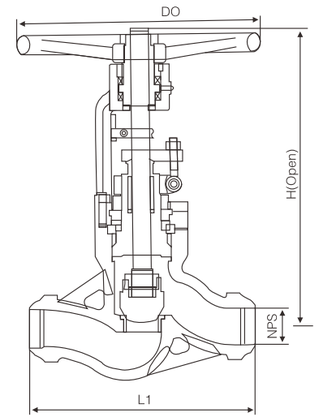
- STEEL GLOBE VALVES, BS1873/16.34
- STEEL VALVES,ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES ASME B16.5
- BUTTWELDING ENDS,ASME B16.25
- INSPECTION AND TEST ,API 598

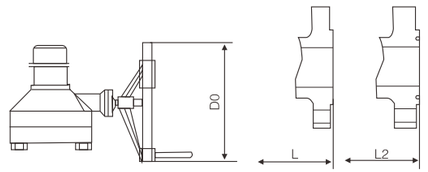
Design descriptions:

- PSB,PRESSURE SEAL BONNET
- OS&Y, OUTSIDE SCREW AND YOKE
- BB, BOLTED BONNET
- RENEWABLE SEAT RINGS
- RISING STEM AND HANDWHEEL
- FLANGED OR BUTTWELDING ENDS
- AVAILABLE WITH BG OPERATOR

Sedelon

Pressure Seal
Cast Steel Globe Valve
900# 1500# 2500#





Dimensional datas

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	
ANSI Class 900#									
L1 (BW)	8.50	10.00	12.00	14.00	20.00	26.00	31.00	36.00	in
	216	254	305	356	508	660	787	914	mm
L (RF)	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	in
	368	419	381	457	610	737	838	965	mm
L2 (RTJ)	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	in
	371	422	384	460	613	740	841	968	mm
H (open)	22	22	22	27	36.38	43.38	50.62	57	in
	557	557	557	685	925	1100	1285	1450	mm
D0	16	16	16	16	28	28	36	36	in
	400	400	400	400	700	700	900	900	mm
WT(kg)	46	53	68	100	270	450	740	1150	BW
	75	82	95	135	355	680	1050	1480	RF/RTJ

Dimensional datas

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	
	ANSI Class 1500#						ANSI Class 2500#					
L1 (BW)	8.50	10.00	12.00	16.00	22.00	28.00	11.00	13.00	14.50	18.00	24.00	in
	216	254	305	406	559	711	279	330	368	457	610	mm
L (RF)	14.50	16.50	18.50	21.50	27.75	32.75	17.75	20.00	22.75	26.50	36.00	in
	368	419	470	546	705	832	451	508	578	673	914	mm
L2 (RTJ)	14.62	16.62	18.62	21.62	28.00	33.12	17.88	20.50	23.00	26.88	36.50	in
	371	422	473	549	711	842	454	514	584	683	927	mm
H (open)	22	22	24.38	30	44.62	54.75	23.38	23.38	28	32.25	49.62	in
	557	557	620	760	1135	1390	595	595	710	820	1260	mm
D0	16	18	20	24	28	36	16	20	24	28	36	in
	400	450	500	600	700	900	400	500	600	700	900	mm
WT(kg)	57	65	90	190	450	730	65	78	125	155	480	BW
	86	112	162	240	580	950	115	136	205	275	860	RF/RTJ

Sedelon

Forged Globe Valve

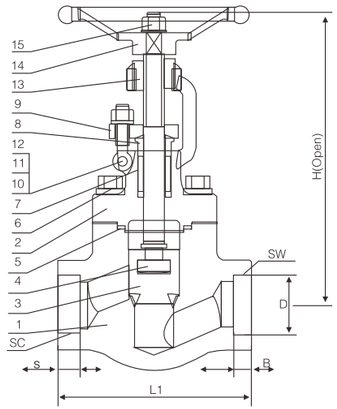
Sedelon

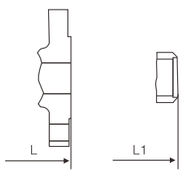
Forged Globe Valve
150# 300# 600# 800# 900# 1500#

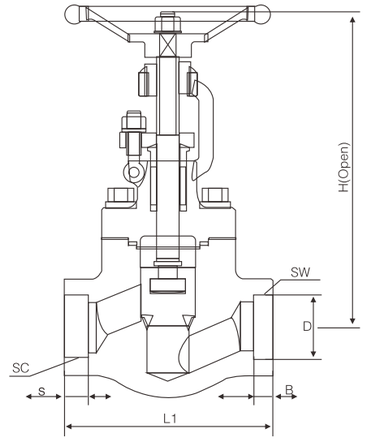
Materials of parts

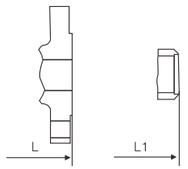
No	Part Name	ASTM Materials C–Si	16Cr–12Ni–2Mo	1¼Cr–½Mo–Si
1	Body	A105	A182–F316	A182–F11
2	Bonnet	A105	A182–F316	A182–F11
3	Disc	A182–F6a	A182–F316	A182–F6A+HF
4	Stem	A276–410	A276–316	A276–410
5	Bonnet Gasket[2)]	Graphite+304	Graphite+316	Graphite+304
6	Bonnet Stud	A193–B7	A193–B8M	A193–B16
7	Packing	Graphite		
8	Gland	A276–410	A276–316	A276–410
9	Gland Flange	A105	A182–F316	A182–F11
10	Eyebolt Pin	A276–410	A276–316	A276–410
11	Eyebolt	A193–B7	A193–B8M	A193–B16
12	Eyebolt Nut	A194–2H	A194–8M	A194–2H
13	Yokesleeve	A276–410		
14	Handwheel	Malleable Iron		
15	Handwheel Nut	Carbon Steel		

Note:1) seat integral with body
2)spiral wound construction









150–600Lb

Dimensional datas

NPS DN	Unit	L1[1)]	L(Flanged Ends) 150#	300#	600#	d	SW D	B	SC NPT	S	H(open)	D0	WT[2)](kg)
3/8	in	3.12	4.00	6.00	6.50	0.354	0.693	0.378	3/8	0.540	6.50	4.00	3.8/2.8
10	mm	79	102	152	165	9	17.6	9.6		13.6	164	100	
1/2	in	3.12	4.25	6.00	6.50	0.354	0.858	0.378	1/2	0.535	6.50	4.00	5.6/3.4
15	mm	79	108	152	165	9	21.8	9.6		13.6	164	100	
3/4	in	3.62	4.62	7.00	7.50	0.512	1.067	0.500	3/4	0.547	6.50	4.00	7.8/4.7
20	mm	92	117	178	190	13	27.1	12.7		13.9	164	100	
1	in	4.38	5.00	8.00	8.50	0.689	1.331	0.500	1	0.681	8.00	5.00	12.5/9.2
25	mm	111	127	203	216	17.5	33.8	12.7		17.3	203	125	
1¼	in	4.75	5.50	8.50	9.00	0.906	1.677	0.500	1¼	0.709	8.88	6.25	17/10.5
32	mm	120	140	216	229	23	42.6	12.7		18	224	160	
1½	in	6.00	6.50	9.00	9.50	1.142	1.917	0.500	1½	0.724	10.25	6.25	23.5/13.3
40	mm	152	165	229	241	29	48.7	12.7		18.4	260	160	
2	in	6.75	8.00	10.50	11.50	1.378	2.406	0.626	2	0.756	11.88	7.00	38.8/18.9
50	mm	172	203	267	292	35	61.1	15.9		19.2	300	180	

Notes:1)BW,SW or SC.
2)600#–RF/800#–(BW/SW/SC).

Applicable standards:

- ●STEEL GLOBE VALVES, API 602
- ●STEEL VALVES,ASME B16.34
- ●FACE TO FACE, MANUFACTURER STANDARD
- ●FACE TO FACE, FLANGED ,ASME B16.10
- ●END FLANGES,ASME B16.5
- ●BUTTWELDING ENDS,ASME B16.25
- ●SOCKET-WELDING ENDS,ASME B16.11
- ●SCREWED ENDS,ASME B1.20.1
- ●INSPECTION AND TEST, API 598

Design descriptions:

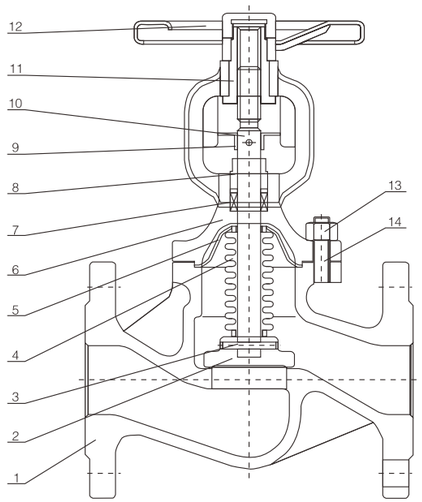
- ●OUTSIDE SCREW AND YOKE (OS&Y)
- ●BOLTED BONNET
- ●CHOICE OF WB, WELDED BONNET
- ●LOOSE DISC,CHOICE OF PLUG OR BALL
- ●SEAT RINGS INTEGRAL WITH BODY
- ●YOKE INTEGRAL WITH BONNET
- ●RISING STEM AND HANDWHEEL
- ●HORIZONTAL SERVICE
- ●SW,SOCKET-WELDING ENDS
- ●SC,SCREWED ENDS
- ●BW,BUTTWELDING ENDS

Dimensional datas

NPS	1/ 4	3/8	1/ 2	3/ 4	1	1¼	1½	2	in
L	92	111	111	120	152	172	200	220	in
W	100	125	125	160	160	180	200	240	in
H	171	207	207	240	258	330	355	370	in
d	7	12	15	20	28	32	40	45	in
Weight(kg)	2.3	3.6	3.7	6.8	7.6	11.6	15	21.9	in

Sedelon

Bellow Seal Globe Valve



No	Part Name	No	Part Name
1	Body	8	Gland Bushing
2	Disc	9	Guide Menier
3	Pin	10	Stem
4	Bellow	11	Stem Nut
5	Gasket	12	Handwheel
6	Bonnet	13	Nut
7	Packing	14	Bolt

Features and Application:

Bellow Seal globe valve adopts sealed stucture.In common valves, the packing seal of the stem ages fast and it is easy to leak,but this design totally eliminates these short comings.Apart from increaseing the efficiency of materials and the safety of production equipment,it not only reduces maintenance the costs and frequent maintenance of products but also provides a clean and safe working environment.

Double seal design(bellows and packings),if the bellows invalidates,the stem packings will prevent outside leaking. There are no fluid loss,but it reduces the energy loss and improves the equipment safety.

Longer service life,less maintenace and lower operating costs.

Firm and durable seal design of bellows ensures the zero leakage of stem and provides more reliable performance and no maintenance.

Quenched stem and surface nitridation with good performance of corrosion and friction resistance.

Excellent performance,graceful outline,and more visibleness with position indicating of stem.

Materials of parts

Body	GS–C25/WCB/CF8M/CF8/CF3M/CF3/CD3MN
Disc	A105/F316/F304/F316L/F304L/F51
Bellow	304/316/316L/304L/S31803
Stem	F6a/F304/F316/F304L/F316L/F51/Monel
Bonnet	GS–C25/WCB/CF8M/CF8/CF3M/CF3/CD3MN
Bolt	B7M/B8M/L7M/B16M
Nut	2HM/8M/7M/4M
Gland Bushng	410/304/316/304L/316L
Stem Nut	C95200/D2/A536
Gasket	Flexible graphite+304/Flexible graphite+316
Packing	Flexible graphite

Materials could be choosed according to customers' requirement & working condition.

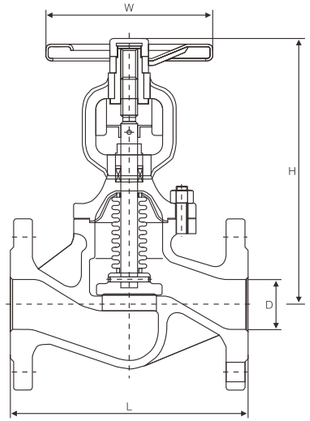
Applicable Standards:

- DESIGN & MANUFACTURE : BS 1873、ASME B16.34
- CONNECTION DIMENSION : EN 1092、ASME B16.5
- INSPECTION & TEST : EN 588-1、DIN 3202、ASME B16.10
- MATERIAL : EN 12266、ISO 5208、API 598

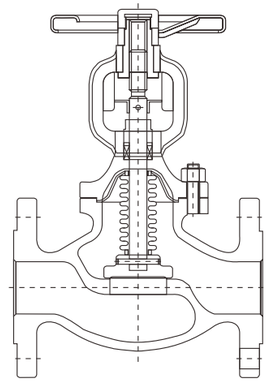
Sedelon

Bellow Seal Globe Valve
PN16 PN25 PN40

DIN Structure



API Structure



Dimensional datas

PN 16

NPS	DN	L mm	D mm	H mm	W mm	WT Kg	T N.M	NPS	DN	L mm	D mm	H mm	W mm	WT Kg	T N.M
1/2	15	130	15	174	100	3.5	14	4	100	350	100	345	280	50	127
3/4	20	150	20	176	125	4	18	5	125	400	125	370	320	65	209
1	25	160	25	207	160	6	23	6	150	480	150	430	350	84	319
1/4	32	180	32	207	160	10	26	8	200	600	200	488	400	150	408
1/2	40	200	40	210	180	13	31	10	250	730	250	530	500	240	885
2	50	230	50	225	200	19	49	12	★300	850	300	600	460	360	1129
2/2	65	290	65	250	220	26	62	14	★350	980	350	700	600	490	1515
3	80	310	80	260	240	30	103	16	★400	1150	400	800	700	600	1805

PN 25

NPS	DN	L mm	D mm	H mm	W mm	WT Kg	T N.M	NPS	DN	L mm	D mm	H mm	W mm	WT Kg	T N.M
1/2	15	130	15	174	100	3.5	18	4	100	350	100	345	280	65	140
3/4	20	150	20	176	125	4	23	5	125	400	125	370	320	85	222
1	25	160	25	207	160	6	30	6	150	480	150	430	350	109	341
1/4	32	180	32	207	160	10	34	8	200	600	200	488	400	180	436
1/2	40	200	40	210	180	13	38	10	250	730	250	530	500	300	974
2	50	230	50	225	200	19	56	12	★300	850	300	600	460	450	1242
2/2	65	290	65	250	220	31	69	14	★350	980	350	700	600	613	1667
3	80	310	80	260	240	36	112	16	★400	1150	400	800	700	750	1986

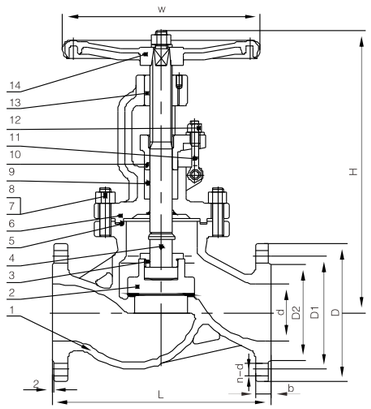
PN 40

NPS	DN	L mm	D mm	H mm	W mm	WT Kg	T N.M	NPS	DN	L mm	D mm	H mm	W mm	WT Kg	T N.M
1/2	15	130	15	174	100	3.5	24	4	100	350	100	345	280	85	278
3/4	20	150	20	176	125	4	30	5	125	400	125	370	320	111	419
1	25	160	25	207	160	6	39	6	150	480	150	430	350	142	599
1/4	32	180	32	207	160	10	44	8	200	600	200	488	400	234	835
1/2	40	200	40	210	180	13	46	10	250	730	250	530	500	390	1266
2	50	230	50	225	200	19	78	12	★300	850	300	600	460	585	1615
2/2	65	290	65	250	220	40	92	14	★350	980	350	700	600	797	2167
3	80	310	80	260	240	47	179	16	★400	1150	400	800	700	975	2582

Note: ★Manual control

Sedelon

DIN Globe Valve



Materials of parts

No	Part Name	ASTM Materials				
1	Body	A216–WCB+Cr13	A217–WC6+HF	A352–LCB+Cr13	A351 CN7M	A890 4A
2	Disc	A105+Cr13	A182–F11+HF	A350–LF2+Cr13	Alloy 20	A182 F51
3	Stem	A182–F6a	A182–F11	A182–F6a	Alloy 20	A182 F51
4	Disc Nut	A182–F6a	A182–F11	A182–F6a	Alloy 20	A182 F51
5	Bonnet Gasket	304+Graphite			316+Graphite	
6	Bonnet	A216–WCB	A217–WC6	A352–LCB	A351 CN7M	A890 4A
7	Bonnet Stud	A193 B7	A193–B16	A320–L7	A193 –B8M	A193 –B8M
8	Bonnet Stud Nut	A194 –2H	A194 –7	A194–4	A194 –8M	A194 –8M
9	Packing	Graphite				
10	Gland Flange	A216–WCB	A217–WC6	A352–LCB	A351 CN7M	A890 4A
11	Eyebolt	A193–B7	A193–B16	A320–L7	A193 –B8M	A193 –B8M
12	Eyebolt Nut	A194 –2H	A194 –7	A194–4	A194 –8M	A194 –8M
13	Yokesleeve	Aluminum–Bronze				
14	Handwheel	Malleable				

Note:
1).Ductile Ni–resist optional
2).Wedge and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

Applicable standards:

Face to Face Dimensions: EN558-1/DIN3202 F2
Flange end Dimension : EN1092-1/DIN2545
Design and Manufacture:EN 13709/DIN3356
Pressure Test:EN12266/DIN3230
Materials:WCB 、WC6 、WC9 、CF8、 CF8M、 CF3、 CF3M 、CN7M、LC1
LC2、LC3、LCB、LCC、Monel、 20# Alloys、4A、5A、C95800、C95500, ect.

Sedelon

DIN Globe Valve
PN16 PN25 PN40 PN64

PN16

DN		50	65	80	100	125	150	200	250	300	350	400
d	mm	50	63	76	100	125	150	200	250	300	336	387
L(RF)	mm	230	290	310	350	400	480	600	730	850	980	1100
d1	mm	102	122	138	158	188	212	268	320	378	438	490
d2	mm	125	145	160	180	210	240	295	355	410	470	525
D	mm	165	185	200	220	250	285	340	405	460	520	580
b	mm	18	18	20	20	22	22	24	26	28	30	32
n–Φd	mm	4–18	8–18	8–18	8–18	8–18	8–22	12–22	12–26	12–26	16–26	16–30
H	mm	305	354	402	437	496	541	699	815	914	1189	1350
W	mm	200	200	250	250	300	350	400	450	500	550	600

PN25

DN		50	65	80	100	125	150	200	250	300	350	400
d	mm	50	63	76	100	125	150	200	250	300	336	387
L(RF)	mm	230	290	310	350	400	480	600	730	850	980	1100
d1	mm	102	122	138	162	188	218	278	335	395	450	505
d2	mm	125	145	160	190	220	250	310	370	430	490	550
D	mm	165	185	200	235	270	300	360	425	485	555	620
b	mm	20	22	24	24	28	28	30	32	34	38	40
n–Φd	mm	4–18	8–18	8–18	8–22	8–26	8–26	12–26	12–30	16–30	16–33	16–36
H	mm	325	363	415	453	505	556	744	864	948	1269	1450
W	mm	200	200	250	300	350	400	450	500	550	600	600

PN40

DN		50	65	80	100	125	150	200	250	300	350	400
d	mm	50	63	76	100	125	150	200	250	300	336	387
L(RF)	mm	230	290	310	350	400	480	600	730	850	980	1100
d1	mm	102	122	138	162	188	218	285	345	410	465	535
d2	mm	125	145	160	190	220	250	320	385	450	510	585
D	mm	165	185	200	235	270	300	375	460	515	580	660
b	mm	20	22	24	24	28	28	34	38	42	46	50
n–Φd	mm	4–18	8–18	8–18	8–22	8–26	8–26	12–30	12–33	16–33	16–36	16–39
H	mm	325	370	430	480	532	589	783	888	965	1285	1512
W	mm	200	200	250	300	350	400	450	500	550	600	600

Pn64

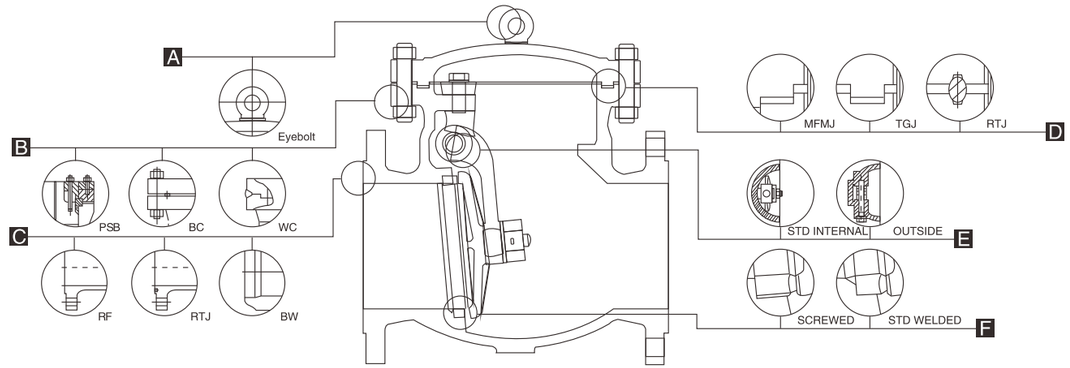
DN		50	65	80	100	125	150	200	250	300	350	400
d	mm	50	63	76	100	125	150	200	250	300	336	387
L(RF)	mm	300	340	380	430	500	550	650	775	900	1025	1150
d1	mm	102	122	138	162	188	218	285	345	410	465	535
d2	mm	135	160	170	200	240	280	345	400	460	525	585
D	mm	180	205	215	250	295	345	415	470	530	600	670
b	mm	26	26	28	30	34	36	42	48	52	56	60
n–Φd	mm	4–22	8–22	8–22	8–28	8–30	8–33	12–36	12–36	16–36	16–39	16–42
H	mm	305	354	402	437	496	541	699	815	914	1189	1350
W	mm	200	200	250	250	300	350	400	450	500	550	600

Sedelon

Check Valve Type:
Swing
Wafer
Lift/Piston
Pressure Seal

Sedelon

Check Valve Series

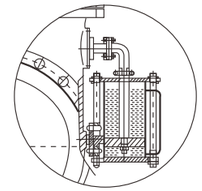


A Eyebolt

For 150Lb–8",300Lb–8", 600Lb–6",900Lb/1500Lb/ 2500Lb–4" & over.

B BC

Bolted cover. welded cover and pressure seal bonnet in services requiring frequent cycling or with high pressure/ temperature variations.



C End Connections

A choice of RF flanged, RTJ flanged or butt welding end for piping flexibility.

D Body–to–Cover Joint

A Male and Female Joint or Tongue and Groove Joint are used for 150LB to 600LB valves. Ring Joint is used in the body to cover connection in 900Lb &higher rated valves.

HCU weighted mechanical accumulator

By using the hydraulic control unit, the valve opens at lower flow rates with the help of buffer action.

E Outside Lever And Weight

Internal hinge pin is available for swing check valves of all size. An external hinge pin can be only used for valves sized 12" or smaller. These valves should also be equipped with an optional outside lever and weight.

F Seat Rings

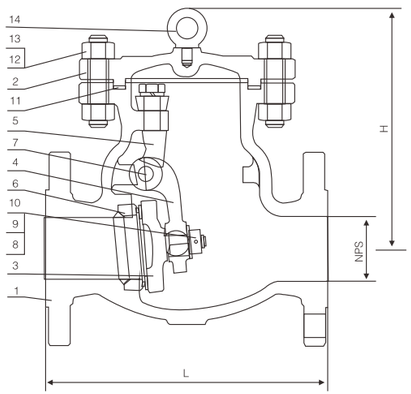
Screwed seat ring type, which is renewable and of easy maintenance is used for valves sized 8" and smaller.For bigger size valves, overly welded type is an appropriate choice.

Sedelon

Check Valve Series

Sedelon

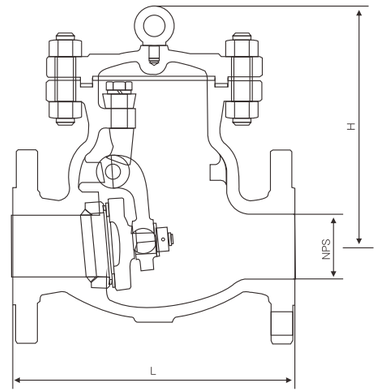
Cast Steel Swing Check Valve
150# 300#

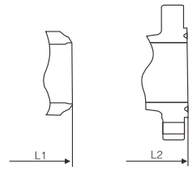


Materials of parts

No	Part Name	ASTM Materials		
1	Body	A216–WCB	A217–WC6	A352–LCB
2	Cover	A216–WCB	A217–WC6	A352–LCB
3	Disc[1)]	A105–CR13	A182–F11+HF	A350–LF2+CR13
4	Hinge	A216–WCB	A217–WC6	A352–LCB
5	Fork Part	A216–WCB	A217–WC6	A352–LCB
6	Seat Ring	A105+CR13	A182–F11+HF	A350–LF2+CR13
7	Hinge Pin	A276–420	A276–304	A276–420
8	Disc Washer	Carbon Steel	A276–304	Carbon Steel
9	Disc Nut	Carbon Steel	A194–7	Carbon Steel
10	Disc Nut Pin	Carbon Steel	A276–420	Carbon Steel
11	Gasket	Spiral Wound(Graphite+304)		
12	Stud	A193–B7	A193–B16	A320–L7
13	Stud Nut	A194–2H	A194–7	A194–4
14	Eyebolt[2)]	Carbon Steel		

Note:1)Cast steel disc for NPS 4" and above.
2)NPS 6" & larger.
3)Disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.





Applicable standards:

- ●STEEL CHECK VALVES, API 6D
- ●STEEL CHECK VALVES,ISO14313
- ●STEEL VALVES,ASME B16.34
- ●FACE TO FACE, ASME B16.10
- ●END FLANGES,ASME B16.5
- ●BUTTWELDING ENDS,ASME B16.25
- ●INSPECTION AND TEST, API 598/API 6D

Design descriptions:

- ●BC,BOLTED COVER
- ●SWING TYPE,ANTI-ROTATION DISC
- ●RENEWABLE SEAT RINGS
- ●NON-PENETRATE DISC SHAFT
- ●HORIZONTAL OR VERTICAL SERVICE
- ●FLANGED OR BUTTWELDING ENDS

Dimensional datas of ANSI Class 150#

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	26 / 650	28 / 700	30 / 750	36 / 900	
L/L1 (RF/BW)	8.00	8.50	9.50	11.50	14.00	19.50	24.50	27.50	31.00	34.00	38.50	38.50	51.00	51.00	57.00	60.00	77.00	in
	203	216	241	292	356	495	622	699	787	864	978	978	1295	1295	1448	1524	1956	mm
L2 (RTJ)	8.50	9.00	10.00	12.00	14.50	20.00	25.00	28.00	31.50	34.50	39.00	39.00	51.50	–	–	–	–	in
	216	229	254	305	368	508	635	711	800	876	991	991	1308	–	–	–	–	mm
H	6.00	6.50	6.88	8.00	11.50	13.88	15.38	17.00	18.75	20.62	22.88	24.62	34.75	37.00	37.00	38.62	48.00	in
	152	165	175	204	293	353	390	432	475	525	582	627	883	940	940	980	1220	mm
wt(kg)	14	20	25	40	71	118	177	263	353	542	632	855	970	1600	1600	1990	2760	RF/RTJ
	10	12	17	29	57	96	143	227	295	468	552	755	831	1420	1420	1760	2230	BW

Dimensional datas of ANSI Class 300#

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	26 / 650	28 / 700	30 / 750	36 / 900	
L/L1 (RF/BW)	10.50	11.50	12.50	14.00	17.50	21.00	24.50	28.00	33.00	34.00	38.50	40.00	53.00	53.00	59.00	62.75	82.00	in
	267	292	318	356	445	533	622	711	838	864	978	1016	1346	1346	1499	1594	2083	mm
L2 (RTJ)	11.12	12.12	13.12	14.62	18.12	21.62	25.12	28.62	33.62	34.62	39.12	40.75	53.88	54.00	60.00	63.75	–	in
	283	308	333	371	460	549	638	727	854	879	994	1035	1368	1372	1524	1619	–	mm
H	6.00	6.50	6.88	8.00	11.50	13.88	15.38	17.00	18.75	20.62	22.88	24.62	34.75	35.88	37.00	38.62	48.00	in
	152	165	175	204	292	353	390	432	475	525	582	627	883	910	940	980	1220	mm
wt(kg)	16	23	29	46	82	136	204	302	405	625	730	985	1115	1465	1840	2290	3180	RF/RTJ
	11	13	18	31	61	103	155	245	315	503	593	812	895	1205	1525	1895	2395	BW

Sedelon

Cast Steel Swing Check Valve
600# 900#

Dimensional datas of ANSI Class 600#

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	
L/L1 (RF/BW)	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	in
	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	mm
L2 (RTJ)	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25	55.38	in
	295	333	359	435	562	664	791	841	892	994	1095	1200	1407	mm
H	7.50	8.00	8.75	10.00	14.50	17.50	19.25	21.38	23.38	25.75	28.75	31.00	43.50	in
	190	205	222	255	368	445	490	540	595	655	730	785	1105	mm
wt(kg)	24	35	44	70	125	207	310	460	615	945	1105	1495	1695	RF/RTJ
	16	19	26	44	87	147	220	350	452	720	845	1160	1280	BW

Dimensional datas of ANSI Class 900#

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	
L/L1 (RF/BW)	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50	48.00	52.00	–	in
	368	419	381	457	610	737	838	965	1029	1130	1219	1321	–	mm
L2 (RTJ)	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88	48.50	52.50	–	in
	371	422	384	460	613	740	841	968	1038	1140	1232	1334	–	mm
H	9.50	10.00	11.00	12.50	18.12	22.00	24.00	26.50	29.38	32.00	33.50	38.75	–	in
	240	256	278	320	460	560	610	675	745	815	850	985	–	mm
wt(kg)	37	54	68	109	195	321	481	711	956	1468	1870	2316	–	RF/RTJ
	21	25	34	58	115	194	290	461	597	950	1210	1533	–	BW

Applicable standards:

- STEEL CHECK VALVES, API 6D
- STEEL CHECK VALVES,ISO14313
- STEEL VALVES,ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES,ASME B16.5
- BUTTWELDING ENDS,ASME B16.25
- INSPECTION AND TEST, API 598/API 6D

Design descriptions:

- BC,BOLTED COVER
- SWING TYPE,ANTI-ROTATION DISC
- RENEWABLE SEAT RINGS
- NON-PENETRATE DISC SHAFT
- HORIZONTAL OR VERTICAL SERVICE
- FLANGED OR BUTTWELDING ENDS

Sedelon

Cast Steel Swing Check Valve
1500# 2500#

Dimensional datas of ANSI Class1500#

NPS	DN	L/L1 (RF/BW)		L2 (RTJ)		H		WT(kg)	
2	50	14.50	368	14.62	371	9.50	240	40	29
2½	65	16.50	419	16.62	422	10.00	256	63	47
3	80	18.50	470	18.62	473	13.00	330	70	49
4	100	21.50	546	21.62	549	14.75	375	115	84
6	150	27.75	705	28.00	711	18.88	480	250	152
8	200	32.75	832	33.12	841	23.50	595	470	310
10	250	39.00	991	39.38	1000	26.00	660	740	470
12	300	44.50	1130	45.12	1146	29.12	740	1100	710
14	350	49.50	1257	50.25	1276	30.88	785	1410	910
16	400	54.50	1384	55.38	1407	32.88	835	1600	1100
in	mm	in	mm	in	mm	in	mm	RF/RTJ	BW

Dimensional datas of ANSI Class2500#

NPS	DN	L/L1 (RF/BW)		L2 (RTJ)		H		WT(kg)	
2	50	17.75	451	17.88	454	10.75	275	50	35
2½	65	20.00	508	20.25	514	13.25	335	76	55
3	80	22.75	578	23.00	584	13.75	350	85	68
4	100	26.50	673	26.88	683	15.12	385	165	115
6	150	36.00	914	36.50	927	19.50	495	460	225
8	200	40.25	1022	40.88	1038	24.62	625	900	580
10	250	50.00	1270	50.88	1292	28.00	712	1300	860
12	300	56.00	1422	56.88	1445	35.62	905	1800	1150
14	350	–	–	–	–	–	–	–	–
16	400	–	–	–	–	–	–	–	–
in	mm	in	mm	in	mm	in	mm	mm	mm

Applicable standards:

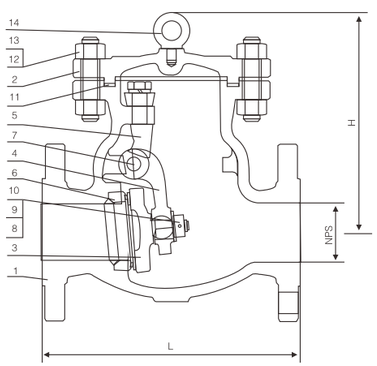
- STEEL CHECK VALVES, API 6D
- STEEL CHECK VALVES,ISO14313
- STEEL VALVES,ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES,ASME B16.5
- BUTTWELDING ENDS,ASME B16.25
- INSPECTION AND TEST, API 598/API 6D

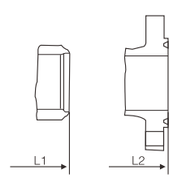
Design descriptions:

- BC,BOLTED COVER
- SWING TYPE,ANTI-ROTATION DISC
- RENEWABLE SEAT RINGS
- NON-PENETRATE DISC SHAFT
- HORIZONTAL OR VERTICAL SERVICE
- FLANGED OR BUTTWELDING ENDS

Sedelon

Cast Stainless Steel Swing Check Valves





Materials of parts

No	Part Name	ASTM Materials				
1	Body	A351–CF8	A351–CF8M	A351–CF3M	A351 CN7M	A890 4A
2	Cover	A351–CF8	A351–CF8M	A351–CF3M	A351 CN7M	A890 4A
3	Disc	A351–CF8	A351–CF8M	A351–CF3M	A351 CN7M	A890 4A
4	Hinge	A351–CF8	A351–CF8M	A351–CF3M	A351 CN7M	A890 4A
5	Hinge Pin	A276–304	A276–316	A276–316L	Alloy 20	A182 F51
6	Disc Washer	A276–304	A276–316	A276–316L	Alloy 20	A182 F51
7	Disc Nut	A193–B8	A193–B8M	A193–B8M	A194 –8M	A194 –8M
8	Disc Nut Pin	A276–304	A276–316	A276–316L	Alloy 20	A182 F51
9	Bonnet Gasket	Graphite+304	Graphite+316	Graphite+316L	316+Graphite	316+Graphite
10	Bonnet Stud	A193–B8	A193–B8M	A193–B8M	A193 –B8M	A193 –B8M
11	Bonnet Stud Nut	A194–8	A194–8M	A194–8M	A194 –8M	A194 –8M
12	Eyebolt	A194–8	A194–8	A194–8	A194 –8M	A194 –8M

Note:1) Spiral wound construction, teflon optional
2)Nps 6" & larger
3)Disc and seat(integral with body)may either be solid facing material or a base material equal to or better than body/bonnet Material with facing as shown.

Applicable standards:

- STEEL CHECK VALVES, API 603
- STEEL VALVES,ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES,ASME B16.5
- BUTTWELDING ENDS,ASME B16.25
- INSPECTION AND TEST, API 598

Design descriptions:

- BC,BOLTED COVER
- SWING TYPE,ANTI-ROTATION DISC
- SEAT RINGS INTEGRAL WITH BODY
- NON-PENETRATE DISC SHAFT
- HORIZONTAL OR VERTICAL SERVICE
- FLANGED OR BUTTWELDING ENDS

Sedelon

Cast Stainless Steel Swing Check Valves
150# 300# 600#

Dimensional datas of ANSI Class 150#

NPS / DN	1/2 / 15	3/4 / 20	1 / 25	1 1/2 / 40	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	26 / 650	
L/L1 (RF/BW)	4.25	4.62	5.00	6.50	8.00	8.50	9.50	11.50	14.00	19.50	24.50	27.50	31.00	34.00	38.50	38.50	51.00	–	in
	108	117	127	165	203	216	241	292	356	495	622	699	787	864	978	978	1295	–	mm
L2 (RTJ)	–	–	–	–	8.50	9.00	10.00	12.00	14.50	20.00	25.00	28.00	31.50	34.50	39.00	39.00	51.50	–	in
	–	–	–	–	216	229	254	305	368	508	635	711	800	876	991	991	1308	–	mm
H	3.12	3.38	3.88	4.38	6.00	6.50	6.88	8.00	11.50	13.88	15.38	17.00	18.75	20.62	22.88	24.62	34.75	–	in
	80	85	100	110	152	165	175	204	293	353	390	432	475	525	582	627	883	–	mm
WT(kg)	2.5	3.5	5	7.5	14	20	25	40	71	118	177	263	353	542	632	855	970	–	BW
	2	3	3.5	5.5	10	12	17	29	57	96	143	227	295	468	552	755	831	–	RF/RTJ

Dimensional datas of ANSI Class 300#

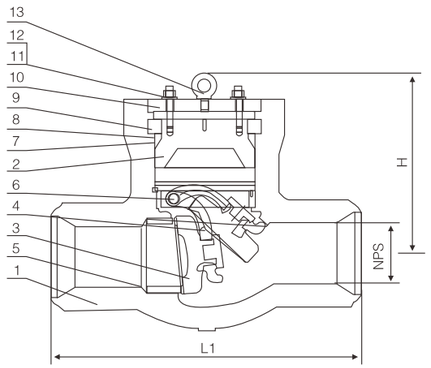
NPS / DN	2/1 / 15	3/4 / 20	1 / 25	1 1/2 / 40	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	26 / 650	
L/L1 (RF/BW)	6.00	7.00	8.00	9.00	10.50	11.50	12.50	14.00	17.50	21.00	24.50	28.00	33.00	34.00	38.50	40.00	53.00	–	in
	152	178	203	229	267	292	318	356	445	533	622	711	838	864	978	1016	1346	–	mm
L2 (RTJ)	–	–	–	–	11.12	12.12	13.12	14.62	18.12	21.62	25.12	28.62	33.62	34.62	39.12	40.75	53.88	–	in
	–	–	–	–	283	308	333	371	460	549	638	727	854	879	994	1035	1368	–	mm
H	3.12	3.38	3.88	4.38	6.00	6.50	6.88	8.00	11.50	13.88	15.38	17.00	18.75	20.62	22.88	24.62	34.75	–	in
	80	85	100	110	152	165	175	204	293	353	390	432	457	525	582	627	883	–	mm
wt(kg)	3	4	6	10	16	23	29	46	82	136	204	302	405	625	730	985	1115	–	RF/RTJ
	2.5	3.5	5	7	11	13	18	31	61	103	155	245	315	503	593	812	895	–	BW

Dimensional datas of ANSI Class 600#

NPS / DN	2/1 / 15	3/4 / 20	1 / 25	1 1/2 / 40	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	26 / 650	
L/L1 (RF/BW)	6.50	7.50	8.50	9.50	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	–	in
	165	190	216	241	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	–	mm
L2 (RTJ)	–	–	–	–	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25	55.38	–	in
	–	–	–	–	295	333	359	435	562	664	791	841	892	994	1095	1200	1407	–	mm
H	3.38	3.50	4.50	5.50	7.50	8.00	8.75	10.00	14.50	17.50	19.25	21.38	23.38	25.75	28.75	31.00	43.50	–	in
	85	90	115	140	190	205	222	255	368	445	490	540	595	655	730	785	11305	–	mm
wt(kg)	5.5	7.5	12	15	24	35	44	70	125	207	310	460	615	945	1105	1495	1695	–	RF/RTJ
	4	6	8	12.5	16	19	26	44	87	147	220	350	452	720	845	1160	1280	–	BW

Sedelon

Pressure Seal
Cast Steel Swing Check Valve



Materials of parts

No	Part Name	ASTM Materials				
1	Body	A216–WCB	A217–WC6	A351–CF8M	A351 CN7M	A890 4A
2	Pres. Seal Bonnet	A216–WCB	A217–WC6	A351–CF8M	A351 CN7M	A890 4A
3	Disc	A105+HF	A182–F11+HF	A351–CF8M+HF	A351 CN7M	A890 4A
4	Hinge	A216–WCB	A217–WC6	A351–CF8M	A351 CN7M	A890 4A
5	Seat Ring	A105+HF	A182–F11+HF	A240–316+HF	A351 CN7M	A890 4A
6	Hinge Pin	A276–420	A276–304	A276–316	Alloy 20	A182 F51
7	Bonnet Gasket	Steel Ring	304SS Ring	316SS RING	Alloy 20	A182 F51
8	Adapter Ring	Carbon Steel	A276–420	A276–316	Alloy 20	A182 F51
9	Retainer	Carbon Steel	A276–420	A276–316	Alloy 20	A182 F51
10	Cover	Carbon Steel	Alloy Steel	Stainless Steel	Alloy 20	A182 F51
11	Stud	A193–B7	A193–B7	A193–B8M	A193 –B8M	A193 –B8M
12	Stud Nut	A194–2H	A194–2H	A194–8M	A194 –8M	A194 –8M
13	Eyebolt	Carbon Steel			A194 –8M	A194 –8M

Note:1) graphite optional
2)disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

Applicable standards:

- STEEL CHECK VALVES, BS 16.34/API 6D
- STEEL CHECK VALCES,ISO14313
- STEEL VALVES, ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES,ASME B16.5
- INSPECTION AND TEST, API 598/API 6D

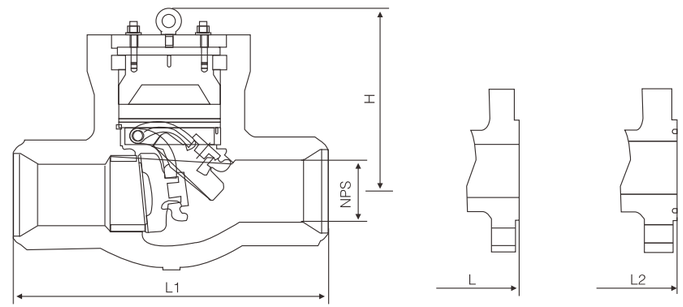
Design descriptions:

- PSB,PRESSURE SEAL BONNET
- FLEXIBLE DISC, FULLY GUIDED
- RENEWABLE SEAT RINGS
- FLANGED OR BUTTWELDING ENDS

Sedelon

Pressure Seal
Cast Steel Swing Check Valve

900# 1500# 2500#



Dimensional datas

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	in / mm
					ANSI Class900#						
L1 (BW)	8.50	10.00	12.00	14.00	20.00	26.00	31.00	36.00	39.00	43.00	in
	216	254	305	356	508	660	787	914	991	1092	mm
L (RF)	14.50	16.60	15.00	18.00	24.00	29.00	33.00	38.00	40.5	44.5	in
	368	419	381	457	610	737	838	965	1029	1130	mm
L2 (RTJ)	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88	in
	371	422	384	460	613	740	841	968	1038	1140	mm
H	9.50	9.50	10.00	13.38	15.75	18.12	21.62	24.00	27.00	29.50	in
	240	240	255	340	400	460	550	610	685	750	mm
wt(kg)	22	34	38	71	176	485	761	1125	1345	1490	BW
	44	55	61	116	255	630	940	1433	1710	1820	RF/RTJ

Dimensional datas

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	in / mm
					ANSI Class1500#								ANSI Class2500#					
L1 (BW)	8.50	10.00	12.00	16.00	22.00	28.00	34.00	39.00	42.00	11.00	13.00	14.50	18.00	24.00	30.00	36.00	41.00	in
	216	254	305	406	559	711	864	991	1067	279	330	368	457	610	762	914	1041	mm
L (RF)	14.50	16.50	18.50	21.50	27.75	32.75	39	44.5	49.5	17.75	20.00	22.75	26.50	36.00	40.25	50	56	in
	368	419	470	546	705	832	991	1130	1257	451	508	578	673	914	1022	1270	1422	mm
L2 (RTJ)	14.62	16.62	18.62	21.62	28.00	33.12	39.38	45.12	50.25	17.88	20.50	23.00	26.88	36.50	40.88	50.88	56.88	in
	371	422	473	549	711	842	1000	1146	1276	454	514	584	683	927	1038	1292	1445	mm
H	9.50	9.50	11.88	15.38	18.00	20.62	24.00	27.00	30.00	10.25	10.25	13.75	16.12	18.88	22.38	25.25	32.00	in
	240	240	300	390	455	525	610	685	760	260	260	350	410	480	570	640	815	mm
wt(kg)	22	37	45	78	245	530	815	1213	1555	55	78	95	182	300	630	825	1580	BW
	44	61	110	155	378	675	1160	1710	2315	93	130	170	315	618	1125	1760	2910	RF/RTJ

Sedelon

Forged Steel Check Valve

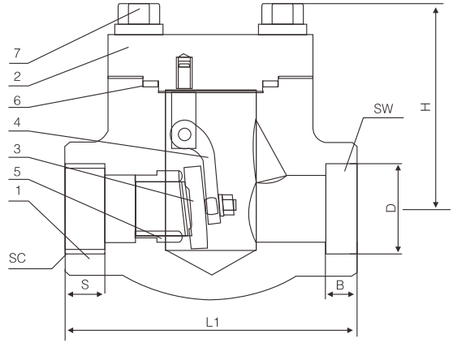
Sedelon

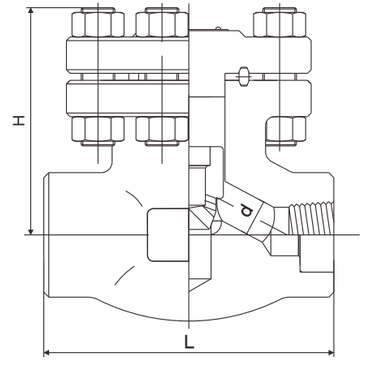
Forged Steel Check Valve
150# 300# 600# 800# 900# 1500#

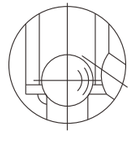
Note:
1) lift type check valve seat ring integral with body.
2)sprial wound construction.

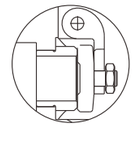
Materials of parts

No	Part Name	ASTM Materials C–Si	16Cr–12Ni–2Mo	1¼Cr–½Mo–Si
1	Body	A105	A182–F316	A182–F11
2	Cover	A105	A182–F316	A182–F11
3	Disc	A182–F6a	A182–F316	A182–F6A+HF
4	Hinge	A276–410	A276–316	A276–410
5	Seat	A276–410	A182–F316	A276–410+HF
6	Gasket[2)]	Graphite+304	Graphite+316	Graphite+304
7	Stud	A193–B7	A193–B8M	A193–B16









Dimensional datas

NPS DN	Unit	L1[1)]	L(Flanged Ends) 150#	300#	600#	d	SW D	SW B	SC NPT	SC S	H	WT[2)](kg)
3/8	in	3.12	4.00	6.00	6.50	0.354	0.693	0.378	3/8	0.540	2.40	3.8/2.8
10	mm	79	102	152	165	9	17.6	9.6		13.6	61	
1/2	in	3.12	4.25	6.00	6.50	0.354	0.858	0.378	1/2	0.535	2.40	5.6/3.4
15	mm	79	108	152	165	10	21.8	9.6		13.6	61	
3/4	in	3.62	4.62	7.00	7.50	0.512	1.067	0.500	3/4	0.547	2.40	7.8/4.7
20	mm	92	117	178	190	13	27.1	12.7		13.9	61	
1	in	4.38	5.00	8.00	8.50	0.689	1.331	0.500	1	0.681	3.07	12.5/9.2
25	mm	111	127	203	216	17.5	33.8	12.7		17.3	78	
11/4	in	4.75	5.50	8.50	9.00	0.906	1.677	0.500	1¼	0.709	3.31	17/10.5
32	mm	120	140	216	229	23	42.6	12.7		18	84	
11/2	in	4.75	6.50	9.00	9.50	1.142	1.917	0.500	1½	0.724	10.25	23.5/13.3
40	mm	120	165	229	241	30	48.7	12.7		18.4	3.98	
2	in	5.50	8.00	10.50	11.50	1.378	2.406	0.626	2	0.756	4.72	38.8/18.9
50	mm	140	203	267	292	35	61.1	15.9		19.2	120	

Applicable standards:

- STEEL CHECK VALVES, API 602
- STEEL VALVES,ASME B16.34
- FACE TO FACE, MANUFACTURER STANDARD
- FACE TO FACE, FLANGED ,ASME B16.10
- END FLANGES,ASME B16.5
- BUTTWELDING ENDS,ASME B16.25
- SOCKET-WELDING ENDS,ASME B16.11
- SCREWED ENDS,ASME B1.20.1
- INSPECTION AND TEST, API 598

Design descriptions:

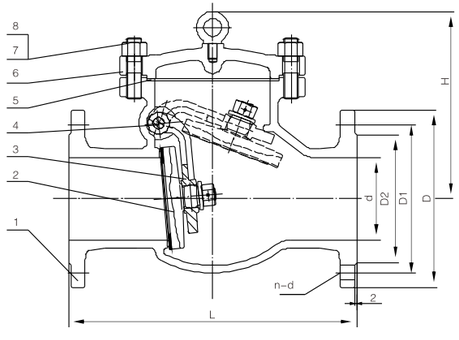
- BOLTED COVER
- CHOICE OF WB, WELDED COVER
- SEAT RINGS TYPE
- SEAT RINGS INTEGRAL WITH BODY OF LIFT
- HORIZONTAL OR VERTICAL SERVICE
- SW,SOCKET-WELDING ENDS
- SC,SCREWED ENDS
- BW,BUTTWELDING ENDS
- FLANGED ENDS

Dimensional datas

NPS	1/ 4	3/8	1/ 2	3/ 4	1	1¼	1½	2	in
L	110	110	110	110	150	150	210	235	in
H	166	166	171	207	240	258	330	355	in
d	9	10	12	15	20	28	32	40	in
	8	10.5	13.5	18	24	29	36.5	45	in
Weight(kg)	2	2.1	1.9	4	5.1	7.2	12.1	14	in
	1.9	2.3	2.3	4.35	5.25	7.8	12.5	14.6	in

Sedelon

DIN Check Valve



Materials of parts

No	Part Name	ASTM Materials				
1	Body	A216–WCB+Cr13	A217–WC6+HF	A352–LCB+Cr13	A351 CN7M	A890 4A
2	Disc	A105+Cr13	A182–F11+HF	A350–LF2+Cr13	Alloy 20	A182 F51
3	Hinge	A216–WCB	A217–WC6	A352–LCB	A351 CN7M	A890 4A
4	Hinge Pin	A182–F6a	A182–F6a	A182–F6a	Alloy 20	A182 F51
5	Bonnet Gasket	304+Graphite	304+Graphite	304+Graphite	316+Graphite	316+Graphite
6	Cover	A216–WCB	A217–WC6	A352–LCB	A351 CN7M	A890 4A
7	Bonnet Stud	A193 B7	A193 B16	A320–L7	A193 –B8M	A193 –B8M
8	Bonnet Stud Nut	A194 –2H	A194 –7	A194–4	A194 –8M	A194 –8M

Note:1) graphite optional
2)disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

Applicable standards:

Face to Face Dimensions: EN558-1/DIN3202 F1
Flange end Dimension : EN1092-1/DIN2545
Design and Manufacture：EN 13709/DIN3356
Pressure Test：EN14341/DIN3840
Materials：WCB 、WC6 、WC9 、CF8、 CF8M、 CF3、 CF3M 、CN7M、LC1
LC2、LC3、LCB、LCC、Monel、 20# Alloys、4A、5A、C95800、C95500, ect.

Sedelon

DIN Check Valve
PN16 PN25 PN40

PN16

DN		50	65	80	100	125	150	200	250	300	350	400
d	mm	50	63	76	100	125	150	200	250	300	336	387
L(RF)	mm	230	290	310	350	400	480	600	730	850	980	1100
d1	mm	102	122	138	158	188	212	268	320	378	438	490
d2	mm	125	145	160	180	210	240	295	355	410	470	525
D	mm	165	185	200	220	250	285	340	405	460	520	580
b	mm	18	18	20	20	22	22	24	26	28	30	32
n–Φd	mm	4–18	8–18	8–18	8–18	8–18	8–22	12–22	12–26	12–26	16–26	16–30
H	mm	135	140	145	165	250	285	315	390	420	450	520

PN25

DN		50	65	80	100	125	150	200	250	300	350	400
d	mm	50	63	76	100	125	150	200	250	300	336	387
L(RF)	mm	230	290	310	350	400	480	600	730	850	980	1100
d1	mm	102	122	138	162	188	218	278	335	395	450	505
d2	mm	125	145	160	190	220	250	310	370	430	490	550
D	mm	165	185	200	235	270	300	360	425	485	555	620
b	mm	20	22	24	24	28	28	30	32	34	38	40
n–Φd	mm	4–18	8–18	8–18	8–22	8–26	8–26	12–26	12–30	16–30	16–33	16–36
H	mm	135	140	150	170	265	295	345	400	435	460	530

PN40

DN		50	65	80	100	125	150	200	250	300	350	400
d	mm	50	63	76	100	125	150	200	250	300	336	387
L(RF)	mm	230	290	310	350	400	480	600	730	850	980	1100
d1	mm	102	122	138	162	188	218	285	345	410	465	535
d2	mm	125	145	160	190	220	250	320	385	450	510	585
D	mm	165	185	200	235	270	300	375	460	515	580	660
b	mm	20	22	24	24	28	28	34	38	42	46	50
n–Φd	mm	4–18	8–18	8–18	8–22	8–26	8–26	12–30	12–33	16–33	16–36	16–39
H	mm	145	160	180	190	280	310	350	430	450	480	550

Sedelon

Cast Steel Wafer Check Valve

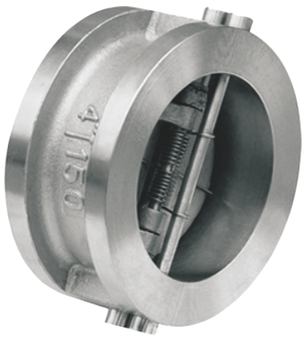
Sedelon

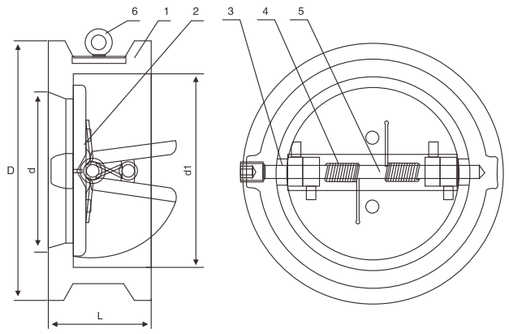
Cast Steel Wafer Check Valve 150# 300# 600# 900#

Materials of parts

No	Part Name	ASTM Materials		
		Carbon Steel	18Cr–9NiMo	Carbon Steel
1	Body	A216–WCB	A351–CF8M	A352–LCB
2	Plate	A216–WCB+CR13	A351–CF8M+HF	A350–LCB+CR13
3	Stop Pin	A276–420	A276–304	A276–420
4	Back Spring	A313–304	A313–316	A313–304
5	Hinge Pin	A276–420	A276–304	A276–420
6	Eyebolt[2)]	Carbon Steel		

Note:1)NPS 8" & larger.





Applicable standards:

- STEEL CHECK VALVES, API 594/API6D
- STEEL CHECK VALVES,ISO14313
- STEEL VALVES,ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES,ASME B16.5
- INSPECTION AND TEST, API 598/API 6D

Design descriptions:

- ONE PIECE BODY
- BUTTERFLY SWING TYPE
- DUAL-PLATE DISC,LONG-PATTERN
- RENEWABLE SPLIT DISC
- HORIZONTAL OR VERTICAL SERVICE
- WAFER ENDS
- AVAILABLE WITH FLANGED ENDS

Dimensional datas of ANSI Class 150#

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	
L	2.38	2.62	2.88	2.88	3.88	5.00	5.75	7.12	7.25	7.50	8.00	8.62	8.75	in
	60	67	73	73	98	127	146	181	184	191	203	219	222	mm
D	4.00	4.88	5.38	6.75	8.62	10.88	13.25	16.00	17.62	20.12	21.50	23.75	28.12	in
	103	122	135	173	220	277	337	407	448	512	547	604	715	mm
d	2.00	2.50	3.25	4.00	6.00	8.00	10.00	12.00	13.75	15.75	17.75	19.75	23.62	in
	51	65	80	102	152	203	254	305	350	400	450	500	600	mm
D1	2.25	2.88	3.50	4.25	6.25	8.25	10.50	12.12	14.00	16.00	18.00	19.88	23.75	in
	56	73	88	108	160	210	266	310	355	405	455	505	605	mm
WT	2	3	4	6	13	25	39	54	80	117	138	163	331	kg

Dimensional datas of ANSI Class 300#

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500	24 / 600	
L	2.38	2.62	2.88	2.88	3.88	5.00	5.75	7.12	8.75	9.12	10.38	11.50	12.50	in
	60	67	73	73	98	127	146	181	222	232	264	292	318	mm
D	4.25	5.00	5.75	7.00	9.88	12.00	14.12	16.50	19.00	21.12	23.38	25.62	30.38	in
	110	128	147	179	249	305	359	420	483	537	594	652	772	mm
d	2.00	2.50	3.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	24.00	in
	51	65	80	102	152	8.25	254	305	350	400	450	500	600	mm
D1	2.25	2.88	3.50	4.25	6.38	203	10.50	12.25	14.00	16.00	18.00	20.00	24.00	in
	58	73	88	108	160	210	266	310	355	405	455	505	608	mm
WT	3	4	6	8	18	31	51	77	117	190	200	265	410	kg

Dimensional datas of ANSI Class 600#

NPS / DN	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	
L	2.38	2.62	2.88	3.12	5.38	6.50	8.38	9.00	10.75	12.00	in
	60	67	73	79	137	165	213	229	273	305	mm
D	4.38	5.00	5.75	7.50	10.38	12.50	15.62	17.88	19.25	22.12	in
	110	128	147	191	264	318	398	455	490	562	mm
d	2.00	2.50	3.00	4.00	6.00	7.88	9.88	12.00	13.25	15.25	in
	51	65	80	102	152	200	250	305	337	387	mm
D1	2.25	2.88	3.50	4.25	6.38	8.38	10.50	12.25	14.00	157.75	in
	58	73	88	108	162	212	266	312	355	400	mm
WT	4	5	8	11	26	55	95	140	223	360	kg

Dimensional datas of ANSI Class 900#

NPS / DN	2 / 50	2 1/2 / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	
L	2.75	3.25	3.25	4.00	6.25	8.12	9.50	11.50	–	–	in
	70	83	83	102	159	206	241	292	–	–	mm
D	5.50	6.38	6.50	8.00	11.25	14.00	17.00	19.50	–	–	in
	140	162	165	204	286	356	432	495	–	–	mm
d	2.00	2.50	3.00	4.00	6.00	7.88	9.88	12.00	–	–	in
	51	62	80	102	152	200	250	305	–	–	mm
D1	2.25	2.88	3.50	4.25	6.38	8.38	10.50	12.25	–	–	in
	58	73	88	108	162	212	266	312	–	–	mm
WT	8	11	14	20	42	84	145	220	–	–	kg

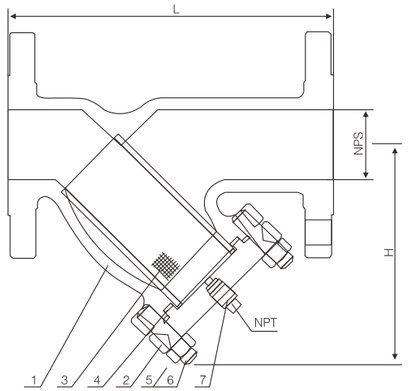
Sedelon

Y Type Strainer

Sedelon

Cast Steel Y–Strainer 150# 300#

Note:
1)spiral wound construction



Materials of parts

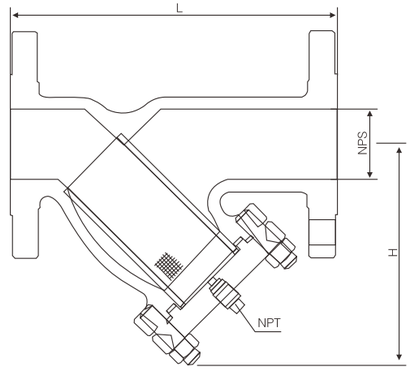
No	Part Name	ASTM Materials		
1	Body	A216–WCB	A351–CF8M	A352–LCB
2	Bonnet Cap	A216–WCB	A351–CF8M	A350–LCB
3	Screen	A240–304	A240–316	A240–304
4	Bonnet Gasket	Graphite+304	PTFE	Graphite+304
5	Bonnet Stud	A193–B7	A193–B8	A320–L7
6	Bonnet Stud Nut	A194–2H	A194–8	A194–7
7	Drain Plug	A276–410	A276–316	A276–410

Percentage of open area

MESH	A SWG	B m/m	C m/m	D %
5	20	0.914	4.166	67.3
10	22	0.711	1.829	51.8
20	28	0.356	0.914	51.8
30	32	0.274	0.572	45.7
40	36	0.193	0.442	48.4
50	37	0.172	0.336	43.6
60	38	0.152	0.271	41.0
80	40	0.122	0.195	37.8
100	42	0.102	0.152	35.8
120	43	0.092	0.119	31.8
150	45½	0.066	0.103	37.1
180	46½	0.053	0.088	38.9
200	47	0.051	0.076	35.8
250	48	0.040	0.062	37.7
300	48	0.039	0.044	27.6

Even the mesh*is same:
open area is not always same
due to the diameter of wire.
The details of wire as follows:

A: Number of Wire
B: Diameter of Wire
C: Width of Opening
D: Percentage of OPEN AREA



Dimensional datas

NPS	DN	L/L1 (RF/BW)		H		PLUG (NPT)	WT (KG)		L/L1 (RF/BW)		H		PLUG (NPT)	WT (KG)	
		ANSI Class 150#							ANSI Class 300#						
1/2	15	5.50	140	3.38	87	1/8	2.1	0.8	5.50	140	3.38	87	1/8	2.5	1.2
3/4	20	6.00	152	4.12	105	1/2	2.3	1.2	6.00	152	4.12	105	1/2	3.4	1.8
1	25	6.50	165	4.50	114	1/2	3.1	1.4	6.50	165	4.50	114	1/2	4.2	2.6
1½	40	8.00	203	6.12	156	1/2	6.2	3.7	8.00	203	6.12	156	1/2	8.6	4.8
2	50	9.00	229	7.12	181	1/2	9.7	6.7	9.00	229	7.12	181	1/2	11.12	8.2
2½	65	11.00	279	10.25	259	3/4	23.5	16.5	11.00	279	10.25	259	3/4	29	20
3	80	12.50	318	11.50	293	3/4	28	22	12.50	318	11.50	293	3/4	38	27
4	100	14.50	368	12.75	324	3/4	37	28	14.50	368	12.75	324	3/4	57	39
6	150	18.50	470	17.62	448	3/4	67	59	18.50	470	17.62	448	3/4	105	74
8	200	23.50	597	21.00	535	3/4	91	78	23.50	597	21.00	535	3/4	176	131
10	250	26.50	673	27.12	690	1	135	113	26.50	673	27.12	690	1	230	164
12	300	30.50	775	30.75	780	1	168	151	30.50	775	30.75	780	1	360	268
in	mm	in	mm	in	mm	in	RF	BW	in	mm	in	mm	in	RF	BW

Applicable Standards:

- ●STEEL STRAINER, ASME B16.34
- ●FACE TO FACE, ASME B16.10
- ●END FLANGES,ASME B16.5
- ●BUTTWELDING ENDS,ASME B16.25
- ●INSPECTION AND TEST, API 598

Design descriptions:

- ●Y-PATTERN TYPE
- ●BOLTED BONNET CAP WITH DRAIN PLUG
- ●PERFORATED STAINLESS STEEL SCREEN
- ●STRAINER DENSITY 100 MESH DESIGN
- ●FULL RANGE OF STRAINER DENSITY
- ●RENEWABLE STRAINER DENSITY
- ●FLANGED OR BUTTWELDING ENDS

Sedelon

Basket Strainer
150# 300#

Sedelon

Flanged Ends 150# 300#

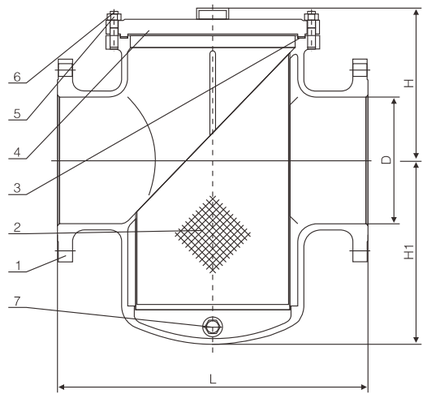
Name of parts

No	Part Name	No	Part Name
1	Body	5	Bottom End Cover
2	Disc	6	Gasket
3	Gasket	7	NPT Screw Plug
4	Seat		

Materials of parts

Body	WCB/CF8M/CF8/CF3M/CF3/CD3MN
Strainer	316/304/316L/304L/S31803
Bonnet	F316/F304/F316L/F304L/F51
Bolt	B7M/B8M/L7M/B16M
Nut	2HM/8M/7M/4M
Gasket	Flexible graphite+304/Flexible graphite+316
Screw Plug	410/316/304/316L/304L/S31803

Materials could be choosed according to customers' requirement & working condition.



Dimensional datas of ANSI Class 150#

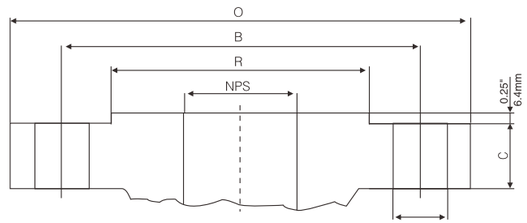
NPS / DN	1 / 25	1¼ / 32	1½ / 40	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	
L	180	180	260	260	330	340	400	500	560	660	750	in
H	105	112	130	130	145	150	175	210	260	300	350	mm
H1	165	170	175	175	210	255	300	425	525	600	680	in
WT(kg)	6	7	8	10	14	16	27	55	78	118	158	BW

Dimensional datas of ANSI Class 300#

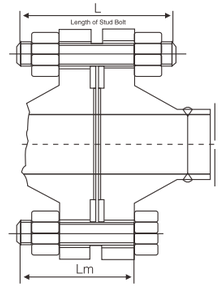
NPS / DN	1 / 25	1¼ / 32	1½ / 40	2 / 50	2½ / 65	3 / 80	4 / 100	6 / 150	8 / 200	10 / 250	12 / 300	
L	180	180	260	260	330	340	400	500	560	660	750	in
H	105	112	130	130	145	150	175	210	260	300	350	mm
H1	165	170	175	175	210	255	300	425	525	600	680	in
WT(kg)	8	9	10	14	20	38	55	90	120	160	216	BW

Applicable Standards:

- DESIGN & MANUFACTURE CONFORM WITH : ASME B16.34
- CONNECTION DIMENTION CONFORMS WITH : ASME B16.5、ASME B16.11、EN 1092
- STRUCTURE AND LENGTH CONFORMS WITH THE TERMS OF THE CONTRACT
- MATERIAL CONFORMS WITH : ISO 5208、API 598



ANSI Class150Lb/300Lb
0.25"(6.4mm) Raised face joint



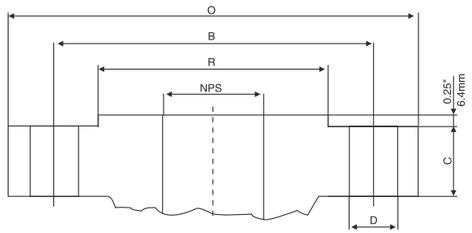
Length of Machine Bolt

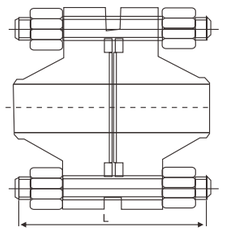
Class150#

NPS		O		C		R		B		D		Bolt		L		Lm	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	QTY	Diam	in	mm	in	mm
2	50	6.00	152.4	0.75	19.1	3.62	91.9	4.75	120.7	0.75	19.1	4	5/8	3.25	82.6	2.75	69.9
2 1/2	65	7.00	177.8	0.88	2.4	4.12	104.6	5.50	139.7	0.75	19.1	4	5/8	3.50	88.9	3.00	76.2
3	80	7.50	190.5	0.94	23.9	5.00	127.0	6.00	152.4	0.75	19.1	4	5/8	3.50	88.9	3.00	76.2
4	100	9.00	228.6	0.94	23.9	6.19	157.2	7.50	190.5	0.75	19.1	8	5/8	3.50	88.9	3.00	76.2
5	25	10.00	254.0	0.94	23.9	7.31	185.7	8.50	215.9	0.88	22.4	8	3/4	3.75	95.3	3.25	82.6
6	150	11.00	279.4	1.00	25.4	8.50	215.9	9.50	241.3	0.88	22.4	8	3/4	4.00	101.6	3.25	8.6
8	200	13.50	342.9	1.12	28.4	10.62	269.7	11.75	298.5	0.88	22.4	8	3/4	4.25	108.0	3.50	88.9
10	250	16.00	406.4	1.19	30.2	12.75	323.9	14.25	362.0	1.00	25.4	12	7/8	4.50	114.3	4.00	101.6
12	300	19.00	482.6	1.25	31.8	15.00	381.0	17.00	431.8	1.00	25.4	12	7/8	4.75	120.7	4.00	101.6
14	350	21.00	533.4	1.38	35.1	16.25	412.8	18.75	476.3	1.12	28.4	12	1	5.25	133.4	4.50	114.3
16	400	23.50	596.9	1.44	36.6	18.50	469.9	21.25	539.8	1.12	28.4	16	1	5.25	133.4	4.50	114.3
18	450	25.00	635.0	1.56	39.6	21.00	533.4	22.75	577.9	1.25	31.8	16	1 1/8	5.75	146.1	5.00	127.0
20	500	27.50	698.5	1.69	42.9	23.00	584.2	25.00	635.0	1.25	31.8	20	1 1/8	6.25	158.8	5.50	139.7
24	600	32.00	812.88	1.88	47.8	27.25	692.2	39.50	749.3	1.38	35.1	20	1 1/4	6.75	171.5	6.00	152.4
26	650	34.25	70.0	2.69	68.3	29.50	749.3	31.75	806.5	1.38	35.1	24	1 1/4	8.25	209.6	7.50	190.5
28	700	36.50	927.1	2.81	71.4	31.50	800.1	34.00	863.6	1.38	35.1	28	1 1/4	8.50	215.9	7.75	196.9
30	750	38.75	984.3	2.94	74.7	33.75	857.3	36.00	914.4	1.38	35.1	28	1 1/4	9.00	228.6	8.00	203.2
32	800	41.75	1060.5	3.18	80.8	36.00	914.4	38.50	977.9	1.62	41.1	28	1 1/2	9.75	247.7	8.75	222.3
34	850	43.75	1111.3	3.25	82.6	38.00	965.2	40.50	1028.7	1.62	41.1	32	1 1/2	10.00	254.0	9.00	228.6
36	900	46.00	1168.4	3.56	90.4	40.25	1022.4	42.75	1085.9	1.62	41.1	32	1 1/2	10.50	266.7	9.50	241.3

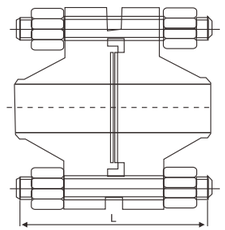
Class300#

NPS		O		C		R		B		D		Bolt		L		Lm	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	QTY	Diam	in	mm	in	mm
2	50	6.50	165.1	0.88	22.4	3.62	91.9	5.00	127.0	0.75	19.1	8	5/8	3.50	101.6	3.00	76.2
2 1/2	65	7.50	190.5	1.00	25.4	4.12	104.6	5.88	149.4	0.88	22.4	8	3/4	4.00	1143.3	3.25	82.6
3	80	8.25	209.6	11.12	28.4	5.00	127.0	6.62	168.1	0.88	22.4	8	3/4	4.25	120.7	3.50	88.9
4	100	10.00	254.0	1.25	31.8	6.19	157.2	7.88	200.2	0.88	22.4	8	3/4	4.50	127.0	3.75	95.3
5	25	11.00	279.4	1.38	35.1	7.31	185.7	9.25	235.0	0.88	22.4	8	3/4	4.75	133.4	4.25	108.0
6	150	12.50	317.5	1.44	36.6	8.50	215.9	0.62	269.7	0.88	22.4	12	3/4	4.75	139.7	4.25	108.0
8	200	15.00	381.0	1.62	41.1	10.62	269.7	13.00	330.2	1.00	25.4	12	7/8	5.50	152.4	4.75	120.7
10	250	17.50	444.5	1.88	47.8	12.75	323.9	15.25	387.4	1.12	28.4	16	1	6.25	171.5	5.50	139.7
12	300	20.50	520.7	2.00	50.8	15.00	381.0	17.75	450.9	1.25	31.8	16	1 1/8	6.75	184.2	5.75	146.1
14	350	23.00	584.2	2.12	53.8	16.25	412.8	20.25	514.4	1.25	31.8	20	1 1/8	7.00	190.5	6.25	158.8
16	400	25.50	647.7	2.25	57.2	18.50	469.9	22.50	571.5	1.38	35.1	20	1 1/4	7.50	203.2	6.50	165.1
18	450	28.00	711.2	2.38	60.5	21.00	533.4	24.75	628.7	1.38	35.1	24	1 1/4	7.75	209.3	6.75	171.5
20	500	30.50	774.7	2.50	63.5	23.00	584.2	27.00	685.8	1.38	35.1	24	1 1/4	8.00	222.3	7.25	184.2
24	600	36.00	914.4	2.75	69.9	27.25	692.2	32.00	812.8	1.62	41.1	24	1 1/2	9.00	254.0	8.00	203.2
26	650	38.25	971.6	3.12	79.2	29.50	749.3	34.50	876.3	1.75	44.5	28	1 1/8	10.25	285.8	9.25	235.0
28	700	40.75	1035.1	3.38	85.9	31.50	800.1	37.00	939.8	1.75	44.5	28	1 1/8	10.75	298.5	9.75	247.7
30	750	43.00	1092.2	3.62	91.9	33.75	857.3	39.25	997.0	1.88	47.8	28	1 1/4	11.50	317.5	10.50	266.7
32	800	45.25	1149.4	3.88	98.6	36.00	914.4	41.50	1054.1	2.00	50.8	28	1 1/8	12.25	342.9	11.25	285.8
34	850	47.50	1206.5	4.00	101.6	38.00	965.2	43.50	1104.9	2.00	50.8	28	1 1/8	12.75	349.3	11.75	298.5
36	900	50.00	1270.0	4.12	104.6	40.25	1022.4	46.00	1168.4	2.12	53.8	32	2	13.25	362.0	12.25	311.2





ANSI Class600Lb/900Lb
0.25"(6.4mm) Raised face joint



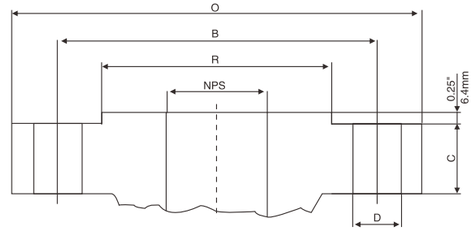
ANSI Class600Lb/900Lb
Male & female

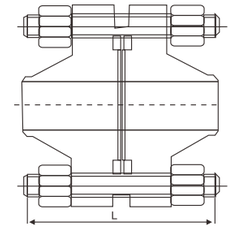
Class600#

NPS		O		C		R		B		D		Bolt		L		LRTJ		Lm	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	QTY	Diam	in	mm	in	mm	in	mm
2	50	6.50	165.1	1.00	25.4	3.62	91.9	5.00	127.0	0.75	19.1	8	5/8	4.25	18.0	4.25	108.0	4.00	101.6
2 1/2	65	7.50	190.5	1.12	28.4	4.12	104.6	5.88	149.4	0.88	22.4	8	3/4	4.75	120.7	4.75	120.7	4.50	114.3
3	80	8.25	209.6	1.25	31.8	5.00	127.0	6.62	168.1	0.88	22.4	8	3/4	5.00	127.0	5.00	127.0	4.75	120.7
4	100	10.75	273.1	1.50	38.1	6.19	157.2	8.50	215.9	1.00	25.4	8	7/8	5.75	146.1	5.75	146.1	5.50	139.7
5	25	13.00	330.2	1.75	44.5	7.31	185.7	10.50	266.7	1.12	28.4	8	1	6.50	165.1	6.50	165.1	6.25	158.8
6	150	14.00	355.6	1.88	47.8	8.50	215.9	11.50	292.1	1.12	28.4	12	1	6.75	171.5	6.75	171.5	6.50	165.1
8	200	16.50	419.1	2.19	55.6	10.62	269.7	137.5	349.3	1.25	31.8	12	1 1/8	7.50	190.5	7.50	190.5	7.25	184.2
10	250	20.00	508.8	2.50	63.5	12.75	323.9	17.00	431.8	1.38	35.1	16	1 1/4	8.50	215.9	8.50	215.9	8.25	209.6
12	300	22.00	558.8	2.62	66.5	15.00	381.0	19.25	489.0	1.38	35.1	20	1/4	8.75	222.3	8.75	222.3	8.50	215.9
14	350	23.75	6.03.3	2.75	69.9	16.25	412.8	20.75	527.1	1.50	38.1	230	1 3/8	9.25	235.0	9.25	235.0	9.00	228.6
16	400	27.00	685.8	3.00	76.2	18.50	469.9	23.75	603.3	1.62	41.1	20	1 1/2	10.00	254.0	10.00	254.0	9.75	247.7
18	450	29.25	743.0	3.25	82.6	21.00	533.4	25.75	6854.1	1.75	44.5	20	1 3/8	10.75	273.1	10.75	273.1	10.50	266.7
20	500	32.00	812.8	3.50	88.9	23.00	584.2	28.50	723.9	1.75	44.5	24	1 3/8	11.25	285.8	11.250	292.1	11.00	279.4
24	600	37.00	939.8	4.00	101.6	27.25	692.2	33.00	838.2	2.00	50.8	24	1 3/8	13.00	33.02	13.25	336.6	12.75	323.9
26	650	40.00	1016.0	4.25	108.0	29.50	749.3	36.00	914.4	2.00	50.8	28	1 3/8	14.00	355.6	14.00	355.6	13.75	349.3
28	700	42.25	1073.2	4.38	111.3	31.50	800.1	38.00	965.2	2..12	53.8	28	2	14.50	368.3	14.50	368.3	14.25	362.0
30	750	44.50	113.03	4.50	114.3	33.75	857.3	40.25	1022.4	2.12	53.8	28	2	15.00	381.0	14.75	3754.7	14.75	374.7
32	800	47.00	1193.8	4.62	117.3	36.00	914.4	42.50	1079.5	2.38	60.5	28	2 1/4	15.50	393.7	15.75	400.1	15.25	387.4
34	850	49.00	1244.6	4.75	120.7	38.00	965.2	44.50	1130.3	2.38	60.5	28	2 1/4	16.25	412.8	16.25	412.8	16.00	406.4
36	900	51.75	1314.5	4.88	124.0	40.25	1022.4	47.00	1193.8	2.62	66.5	28	2 1/2	15.75	400.1	16.75	425.5	15.50	393.7

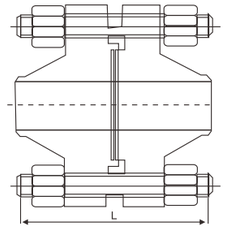
Class900#

NPS		O		C		R		B		D		Bolt		L		LRTJ		Lm	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	QTY	Diam	in	mm	in	mm	im	mm
2	50	8.50	215.9	1.50	38.1	3.62	91.9	6.50	165.1	1.00	25.4	8	7/8	5.75	146.1	5.75	146.1	5.50	139.7
2 1/2	65	9.62	244.3	1.62	41.1	4.12	104.6	7.50	190.5	1.12	28.4	8	1	6.25	158.8	6.25	158.8	6.00	152.4
3	80	9.50	241.3	1.50	38.1	5.00	127.0	7.50	190.5	1.00	25.4	8	7/8	5.75	146.1	5.75	146.1	5.50	139.7
4	100	11.50	292.1	1.75	44.5	6.19	157.2	9.25	235.0	1.25	31.8	8	1 1/8	6.75	171.5	6.75	171.5	6.50	165.1
5	25	13.75	349.3	2.00	50.8	7.31	185.7	11.00	279.4	1.38	35.1	8	1 1/4	7.50	190.5	7.50	190.5	7.25	184.2
6	150	15.00	381.0	2.19	55.6	8.50	215.9	12.50	317.5	1.25	31.8	12	1 1/8	7.50	190.5	7.75	196.9	7.25	184.2
8	200	18.50	469.9	2.50	63.5	10.62	269.7	15.50	393.7	1.50	38.1	12	1 3/8	8.75	222.3	8.75	222.3	8.50	215.9
10	250	21.50	546.1	2.75	69.9	12.75	323.9	18.50	469.9	1.50	38.1	16	1 3/8	9.25	235.0	9.25	235.0	9.00	228.6
12	300	24.00	609.6	3.12	79.2	15.00	381.0	21.00	533.4	1.50	38.1	20	1 3/8	10.00	254.0	10.00	254.0	9.75	247.7
14	350	25.25	641.4	3.38	85.9	16.25	412.8	22.00	558.8	1.62	41.1	20	1 1/2	10.75	273.1	11.00	279.4	10.50	266.7
16	400	27.75	704.9	3.50	88.9	18.50	469.9	24.25	616.0	1.75	44.5	20	1 5/8	11.25	285.8	11.50	292.1	11.00	279.4
18	450	31.00	787.4	4.00	101.6	21.00	533.4	27.00	685.8	2.00	50.8	20	1 7/8	12.75	23.9	13.25	336.6	12.50	317.5
20	500	33.75	857.3	4.25	108.0	23.00	584.2	29.50	749.3	2.12	53.8	20	2	13.75	349.3	14.25	362.0	13.50	342.9
24	600	41.00	1041.4	5.50	139.7	27.25	692.2	35.50	901.7	2.62	66.5	20	2 1/2	17.25	438.2	18.00	457.2	17.00	431.8





ANSI Class600Lb/900Lb
0.25"(6.4mm) Raised face joint



ANSI Class600Lb/900Lb
male & female

Class1500#

NPS		O		C		R		B		D		Bolt		L		LRTJ		Lm	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	QTY	Diam	in	mm	in	mm	in	mm
2	50	8.50	215.9	1.50	38.1	3.62	91.9	6.50	165.1	1.00	25.4	8	7/8	5.75	146.1	5.75	146.1	5.50	139.7
2 1/2	65	9.62	244.3	1.62	41.1	4.12	104.6	7.50	190.5	1.012	28.4	8	1	6.25	158.8	6.25	158.8	6.00	152.4
3	80	10.50	266.7	1.88	47.8	5.00	127.0	8.00	203.2	1.25	31.8	8	1 1/8	7.00	177.8	7.00	177.8	6.75	171.5
4	100	12.25	311.2	2.12	53.8	6.19	157.2	9.50	241.3	1.38	35.1	8	1 1/4	7.75	196.9	7.75	196.9	7.50	190.5
5	25	14.75	374.7	2.88	73.2	7.31	185.7	11.50	292.1	1.62	41.1	8	1 1/2	9.75	247.7	9.75	247.7	9.50	241.3
6	150	15.50	393.7	3.25	82.6	8.50	215.9	12.50	317.5	1.50	38.1	12	1 3/8	10.25	260.4	10.50	266.7	10.00	254.0
8	200	19.00	482.6	3.62	91.9	10.62	269.7	15.50	393.7	1.75	44.5	12	1 5/8	11.50	292.1	12.75	323.9	11.25	285.8
10	250	23.00	584.2	4.25	108.0	12.75	323.9	19.00	482.6	2.00	50.8	12	1 7/8	13.25	336.6	13.50	342.9	13.00	330.2
12	300	26.50	673.1	4.88	124.0	15.00	381.0	22.50	571.5	2.12	53.8	16	2	14.75	374.7	15.25	387.4	14.50	368.3
14	350	29.50	749.3	5.25	133.4	16.25	412.8	25.00	635.0	2.38	60.5	16	2 1/4	16.00	406.4	16.75	425.5	157.75	400.1
16	400	32.50	825.5	5.75	146.1	18.50	469.9	27.50	704.9	2.62	66.5	16	2 1/2	17.50	444.5	18.50	469.9	17.25	438.2
18	450	36.00	914.4	6.38	162.1	21.00	533.4	30.50	774.7	2.88	73.2	16	2 3/4	19.50	495.3	20.75	527.1	19.25	489.0
20	500	38.75	984.3	7.00	177.8	23.00	584.2	32.75	831.9	3.12	79.2	16	2	21.25	539.8	22.25	565.2	21.00	533.4
24	600	46.00	1168.4	8.00	203.2	27.25	692.2	39.00	990.6	3.62	91.9	16	3 1/2	24.25	616.0	25.50	647.7	24.00	609.6

Class2500#

NPS		O		C		R		B		D		Bolt		L		LRTJ		Lm	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	QTY	Diam	in	mm	in	mm	in	mm
2	50	9.25	235.0	2.00	50.8	3.62	91.9	6.75	171.5	1.12	28.4	8	1	7.00	177.8	7.00	177.8	6.75	171.5
2 1/2	65	10.50	266.7	2.25	57.2	4.12	104.6	7.75	196.9	1.25	31.8	8	1 1/8	7.75	196.9	8.00	203.2	7.50	190.5
3	80	12.00	304.8	2.62	66.5	5.00	127.0	9.00	228.6	1.38	35.1	8	1 1/4	8.75	222.3	9.00	228.6	8.50	215.9
4	100	14.00	355.6	3.00	76.2	6.19	157.2	10.75	273.1	1.62	41.1	8	1 1/2	10.00	254.0	10.25	260.4	9.75	247.7
5	25	16.50	419.1	3.62	91.9	7.31	185.7	12.75	323.9	1.88	47.8	8	1 3/4	11.75	298.5	12.25	311.2	11.50	292.1
6	150	19.00	482.6	4.25	108.0	8.50	215.9	14.50	368.3	2.12	53.8	8	2	13.50	342.9	14.00	355.6	13.25	336.6
8	200	21.75	552.5	5.00	127.0	10.62	269.7	17.25	438.2	2.12	53.8	12	2	15.00	381.0	15.50	393.7	14.75	374.7
10	250	26.50	673.1	6.50	165.1	12.75	323.9	21.25	539.8	2.12	66.5	12	2 1/2	19.25	489.0	20.00	508.0	19.00	482.6
12	300	30.00	762.0	7.25	184.2	15.00	381.0	24.38	619.3	2.88	73.2	12	2 3/4	21.25	539.8	22.00	558.8	21.00	533.4