



FORGE STEEL

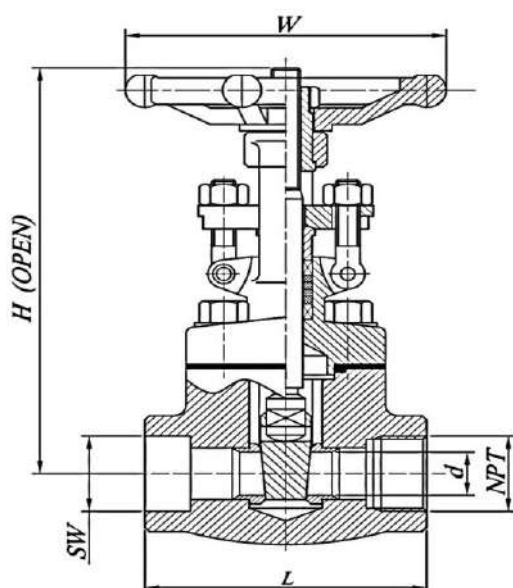
GATE, GLOBE & CHECK VALVES



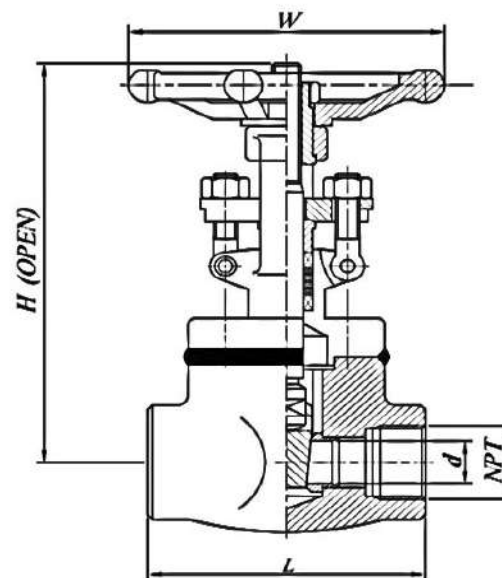
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S.W (NPT) Gate Valve

CL 800



B.B



W.B

Features and Applications

- Reduced or full port
- Construction :B.B & W.B , OS & Y
- Gasket: Stainless Steel+graphite
- Socket Welding & Threaded ends
- Material for hard trim is Depend on Client notice & oeprating condition
- B.B : BOLTED BONNET
- W.B : WELDED BONNET
- Design & manufacture: API 602 & ANSI B 16.34
- Socket welding dimension :ANSI B 16.11
- Screw end dimension :ANSI B1.20.1
- Inspect and test :API 598
- Body material:A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

Dimensions

Normal diameter	Reduced port	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)	-
	Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
d	mm	7	7	10	12.7	18	23	28.5	36	43	
L	mm	79	79	79	92	111	120	120	140	170	
H(Open)	mm	166	166	166	169	193	230	246	283	332	
w	mm	100	100	100	100	125	160	160	180	200	
Weight	B.B	Kg	2.5	2.4	2.3	2.6	4.5	5.9	7.2	11.2	18.8
	W.B	Kg	-	-	2.4	2.7	4.6	6.1	7.4	11.4	19.1

FORGED STEEL VALVE

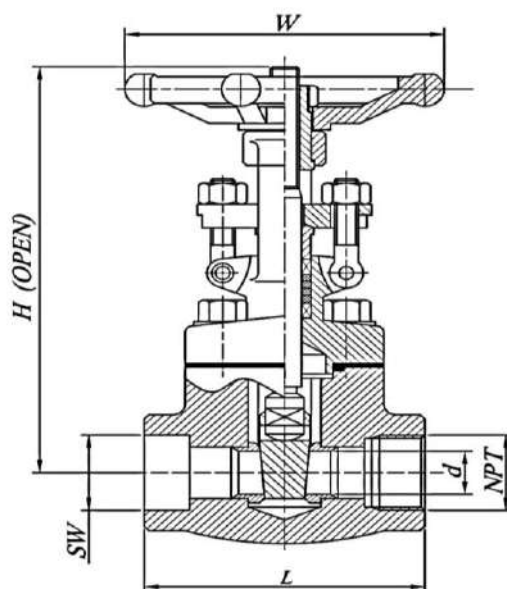
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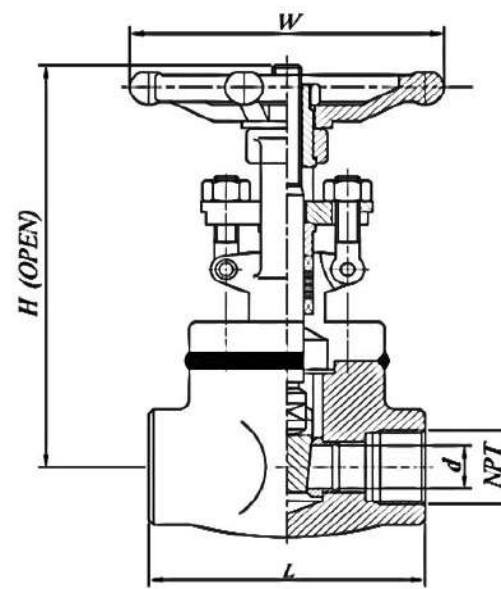
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S.W (NPT) Gate Valve

CL 1500



B.B



W.B

Features and Applications

- Reduced or full port
- Construction :B.B & W.B , OS & Y
- Gasket: Stainless Steel+graphite
- Socket Welding & Threaded ends
- Material for hard trim is Depend on Client notice & oeprating condition
- B.B : BOLTED BONNET
- W.B : WELDED BONNET
- Design & manufacture: API 602 & ANSI B 16.34
- Socket welding dimension :ANSI B 16.11
- Screw end dimension :ANSI B1.20.1
- Inspect and test :API 598
- Body material:A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

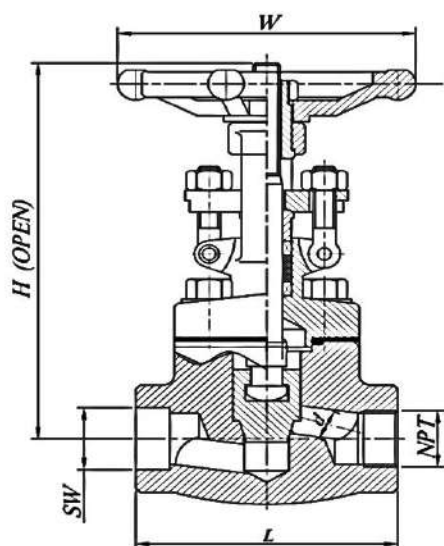
Dimensions

Normal diameter		mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
d		mm	10	12.7	18	23	28.5	36	43
L		mm	79	92	111	120	120	140	170
H(Open)		mm	170	193	230	246	283	325	334
w		mm	100	100	125	160	160	180	200
Weight	B.B	Kg	4.7	4.7	6.8	9.0	12.4	17.5	18.0
	W.B	Kg	4.8	4.8	6.9	9.2	12.6	17.7	17.9

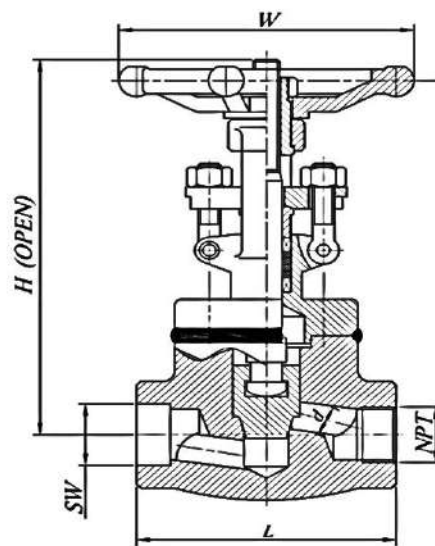
FORGED STEEL VALVE

S.W (NPT) Globe Valve

CL 800



B.B



W.B

Features and Applications

- Reduced or Full port
- Construction :B.B & W.B ,OS&Y
- Gasket:Stainless steel + graphite
- Socket Welding & threaded ends
- Integral seat
- Design & manufacture :API 602 & ANSI B 16.34
- B.B : BOLTED BONNET
- W.B : WELDED BONNET
- Socket welding dimension :ANSI B 16.11
- Screw end dimension :ANSI B 1.20.1 (NPT)
- inspect and test :API 598
- Body material:A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

Dimensions

Norminal diameter	Reduced port	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)	-
	Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
d	mm	8	10	11	13	18	23	28.5	33	43	
L	mm	79	79	79	92	111	120	152	172	220	
H(Open)	mm	166	166	166	175	206	228	262	300	340	
w	mm	100	100	100	100	125	160	160	180	240	
Weight	B.B	Kg	2.6	2.5	2.4	2.6	4.5	5.9	8.3	12.4	20
	W.B	Kg	-	-	2.5	2.7	4.7	6.1	8.5	12.6	20.4

FORGED STEEL VALVE

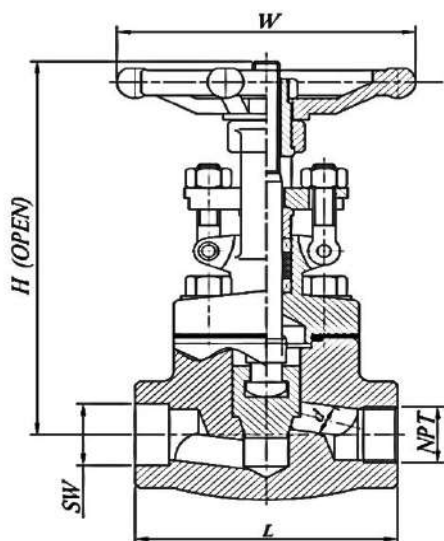
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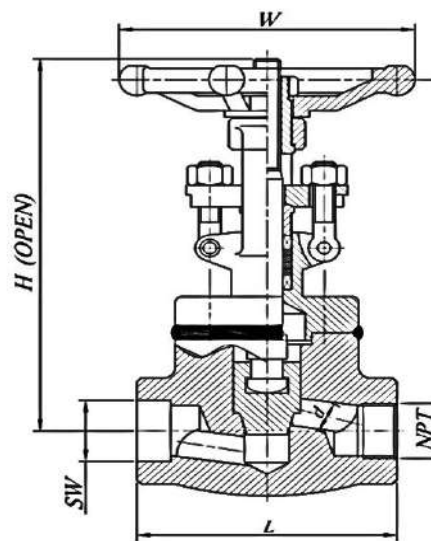
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S.W (NPT) Globe Valve

CL 1500



B.B



W.B

Features and Applications

- Construction :BB & W.B ,OS&Y
- Gasket:Stainless steel + graphite
- Socket Welding & threaded ends
- Integral seat
- Design & manufacture: ANSI B 16.34 , API 602
- B.B : BOLTED BONNET
- W.B : WELDED BONNET
- Socket welding dimension :ANSI B 16.11
- Screw end dimension :ANSI B 1.20.1 (NPT)
- inspect and test :API 598
- Body material:A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

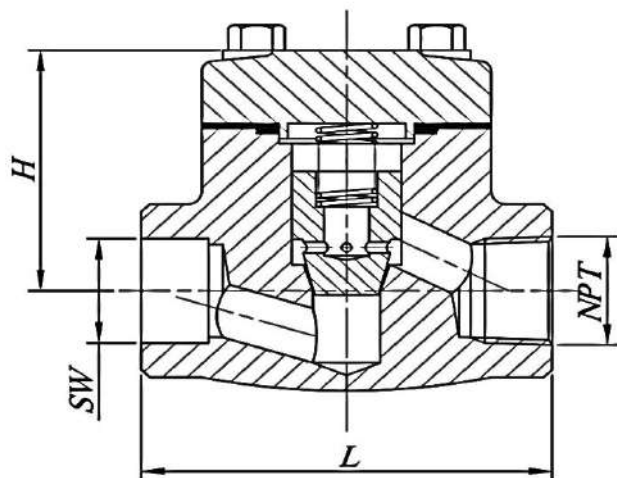
Dimensions

Normal diameter		mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
d		mm	10	13	18	23	29	33	43
L		mm	79	92	111	120	152	172	220
H(Open)		mm	166	170	193	230	246	283	325
w		mm	100	100	125	160	160	180	200
Weight	B.B	Kg	4.8	4.7	4.7	6.3	8.8	12.4	17.5
	W.B	Kg	4.5	4.1	4.1	6.7	9.0	12.1	17

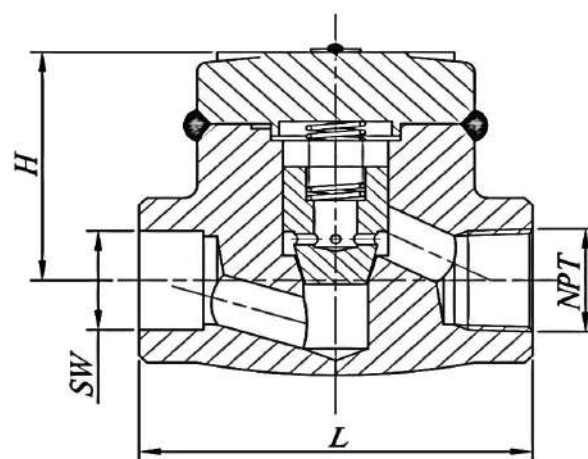
FORGED STEEL VALVE

S.W (NPT) Check Valve

CL 800



B.B



W.B

Features and Applications

- Reduced or Full port
- Construction :B.C & W.C ,lift check valve
- Gasket:Stainless steel + graphite
- Socket Welding & threaded ends
- Integral seat
- Socket welding dimension :ANSI B 16.11
- B.C : Bolted Cap
- W.C : Welded Cap
- Screw end dimension: ANSI B 1.20.1(NPT)
- Design & manufacture : ANSI B16.34,API 602
- Inspect and test: API 598
- Body material: A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

Dimensions

Normal diameter	Reduced port	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)	-
	Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
d	mm	7	7	11	13	18	23	28	33	42	
L	mm	79	79	79	92	111	120	152	172	220	
H	mm	62	62	62	63	78	82	102	120	147	
Weight	Kg	1.5	1.4	1.2	1.4	2.3	3.9	5.6	8.9	12.5	

FORGED STEEL VALVE

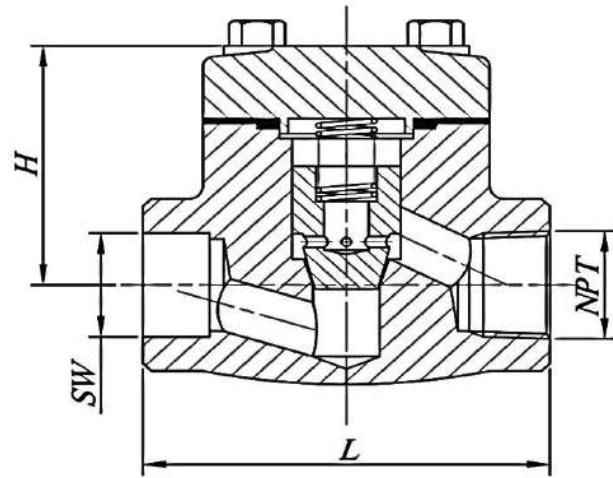
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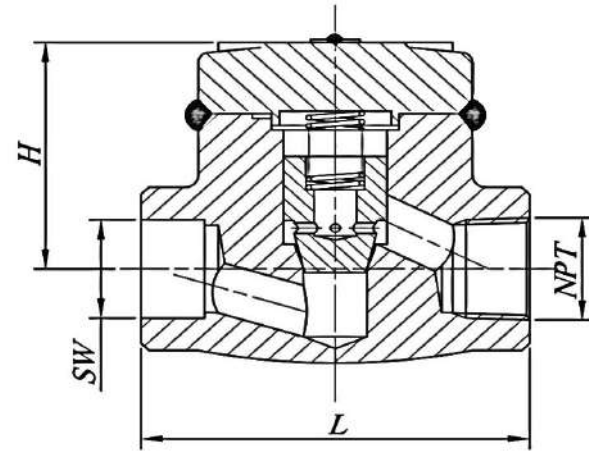
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S.W (NPT) Check Valve

CL 1500



B.B



W.B

Features and Applications

- Construction :B.C & W.C ,lift check valve
- Gasket:Stainless steel + graphite
- Socket Welding & threaded ends
- Integral seat
- Socket welding dimension :ANSI B 16.11
- B.C : Bolted Cap
- W.C : Welded Cap
- Screw end dimension: ANSI B 1.20.1(NPT)
- Design & manufacture : ANSI B16.34,API 602
- Inspect and test: API 598
- Body material: A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

Dimensions

Normal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
L	mm	92	111	120	152	172	220
H	mm	63	98	104	120	140	158
Weight	Kg	2.0	4.9	6.9	10.8	12	15

FORGED STEEL VALVE

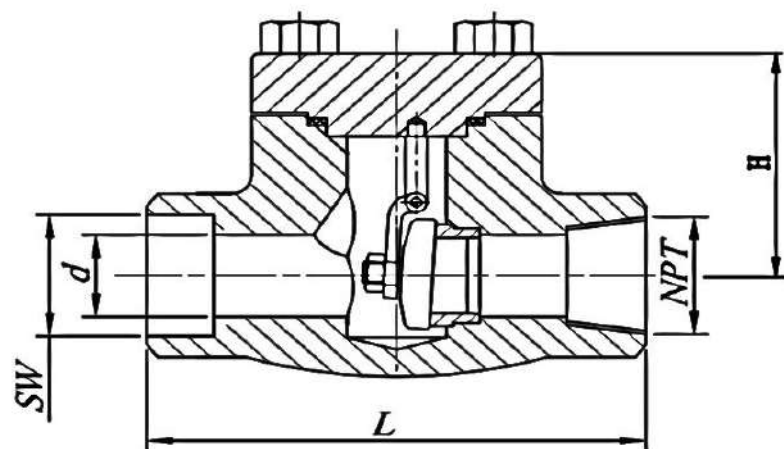
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S.W (NPT) Swing Check Valve

CL 800



Features and Applications

- Reduced or Full port
- Construction :B.C swing check valve
- Gasket:Stainless steel + graphite
- Socket Welding & threaded ends
- Replaceable hard-faced seats
- Socket welding dimension :ANSI B 16.11
- B.C : Bolted Cap
- W.C : Welded Cap
- Screw end dimension: ANSI B 1.20.1(NPT)
- Design & manufacture : API 602, ANSI B 16.34
- Inspect and test: API 598
- Body material: A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

Dimensions

Nominal diameter	Reduced port	mm(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)	-
	Full port	mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
d	mm	10	13	18	23	28.5	36	42	
L	mm	79	92	111	120	120	140	170	
H	Kg	62	63	78	82	1102	120	140	
Weight	Kg	1.1	1.2	2.0	3.5	4.5	7.5	10	

FORGED STEEL VALVE

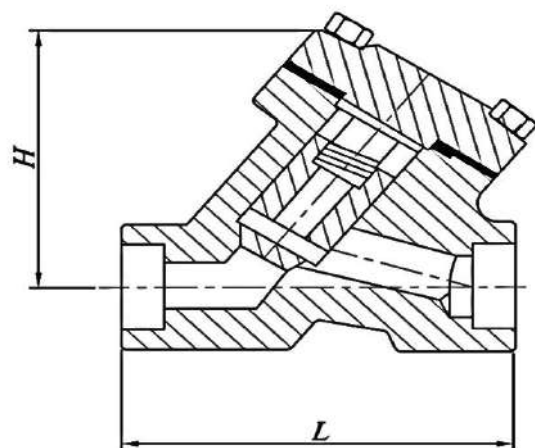
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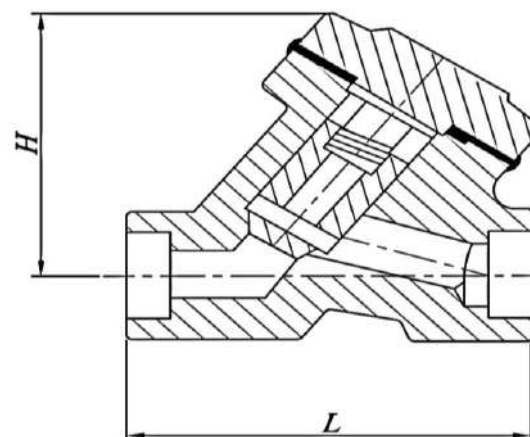
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S.W (NPT) Y-Type Check Valve

CL 800 & 1500



B.B



W.B

Features and Applications

- Reduced or Full port
- Construction :B.C & W.C
- Y type lift check valve with spring & piston
- Gasket:Stainless steel + graphite
- Socket Welding & threaded ends
- integral seat
- Socket welding dimension :ANSI B 16.11
- B.C : Bolted Cap
- W.C : Welded Cap
- Screw end dimension: ANSI B 1.20.1(NPT)
- Design & manufacture : API 602, ANSI B 16.34
- Inspect and test: API 598
- Body material: A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

Dimensions

Normal diameter		mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
L	CL800	mm	98	98	98	120	140	140	170
	CL1500	mm	120	120	120	140	140	170	220
H	CL800	mm	84	84	84	102	114	115	145
	CL1500	mm	90	90	101	125	132	143	203
Weight	CL800	Kg	3.0	2.9	2.7	6.5	8.5	9.6	10.8
	CL1500	Kg	3.2	3.2	4.1	7.2	10.5	11.6	12

FORGED STEEL VALVE

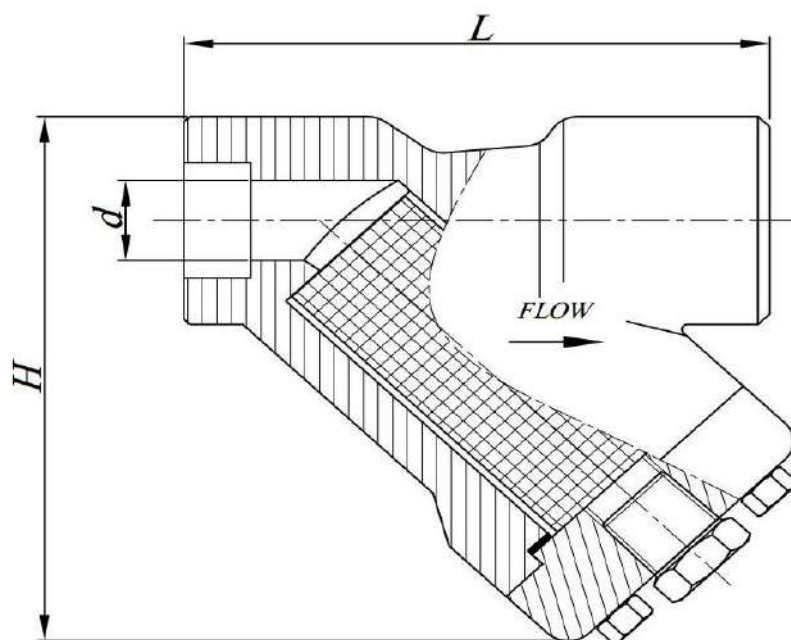
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S.W (NPT) Y Strainer

CL 800



Features and Applications

- Construction :B.C Y Type
- Gasket:Stainless steel + graphite
- Socket Welding & threaded ends
- Socket welding dimension :ANSI B 16.11
- B.C : Bolted Cap
- Screw end dimension: ANSI B 1.20.1(NPT)
- Design & manufacture : API 602, ANSI B 16.34
- Inspect and test: API 598
- Body material: A105,LF2,F5,F11,F22,F304L,F316L
- All dimensions could be considered as reference.

Dimensions

Norminal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	32(11/4)	40(11/2)	50(2)
d	mm	11	13	18	23	28	33
L	mm	98	98	120	140	140	170
H	mm	86	86	105	118	120	145
Weight	Kg	2.7	2.5	6.3	8.2	9.2	10.3

FORGED STEEL VALVE

ACC,TO ANSI B36,10																																ACC,TO B16,19 Figures based on austenitic steel																		
NOMINAL PIPE SIZE	OD	SCH 10			SCH20			SCH30			SCH STD			SCH40			SCH60			SCH XS			SCH80			SCH100			SCH120			SCH140			SCH160			SCHXXS			5S		10S		40S		80S		DIN	
	MM	THK	ID	w(kg)	THK	ID	w(kg)	THK	ID	w(kg)	THK	ID	w(kg)	THK	ID	w(kg)	THK	ID	w(kg)	TKH	ID	w(kg)	THK	ID	w(kg)	THK	ID	w(kg)	THK	ID	w(kg)	THK	ID	w(kg)	THK	ID	w(kg)	THK	ID	THK	ID	THK	ID							
1/8	10.3										1.73	6.84	0,37	1.73	6.84	0,37				2.41	5.48	0.47	2.41	5.48	0.47																									
1/4	13.7										2.24	9.22	0,63	2.24	9.22	0,63				3.02	7.66	0.80	3.02	7.66	0.80																							8		
3/8	17.1										2.31	12.48	0,84	2.31	12.48	0,84				3.2	10.7	1.10	3.2	10.7	1.10																									10
1/2	21.3										2.77	15.76	1,27	2.77	15.76	1,27				3.73	13.84	1.62	3.73	13.84	1.62								4.78	11.74	1.95	7.47	6.36	2.55	1.65	18	2.11	17.08	2.77	15.76	3.73	13.84		15		
3/4	26.7										2.87	20.96	1,7	2.87	20.96	1,69				3.91	18.88	2.20	3.91	18.88	2.20								5.56	15.58	2.90	7.82	11.06	3.64	1.65	23.4	2.11	22.48	2.87	20.96	3.91	18.88		20		
1	33.4										3.38	26.64	2,5	3.38	26.64	2,5				4.55	24.3	3.24	4.55	24.3	3.24								6.35	20.7	4.24	9.09	15.22	5.45	1.65	30.1	2.77	27.86	2.38	28.64	4.55	24.3		25		
1-1/4	42.2										3.56	35.08	3,4	3.56	35.08	3,39				4.85	32.5	4.47	4.85	32.5	4.47								6.35	29.5	5.61	9.7	22.8	7.77	1.65	38.9	2.77	36.66	3.56	35.08	4.85	32.5		32		
1-1/2	48.3										3.68	40.94	4	3.68	40.94	4				5.08	38.14	5.41	5.08	38.14	5.41								7.14	34.02	7.25	10.15	28	9.56	1.65	45	2.77	42.76	3.68	40.94	5.08	38.14		40		
2	60.3										3.91	52.48	5,44	3.91	52.48	5,44				5.54	49.22	7.48	5.54	49.22	7.48								8.74	42.82	11.11	11.07	38.16	13.44	1.65	57	2.77	54.76	3.91	52.48	5.54	49.22		50		
2-1/2	73										5.16	62.68	8,63	5.16	62.68	8,7				7.01	58.98	11.41	7.01	58.98	11.41								9.53	53.94	14.92	14.02	44.96	20.39	2.11	68.8	3.05	66.9	5.16	62.68	7.01	58.98		65		
3	88.9										5.49	77.92	11,3	5.49	77.92	11,3				7.62	73.66	15.27	7.62	73.66	15.27								11.13	66.64	21.35	15.24	58.42	27.68	2.11	84.7	3.05	82.8	5.49	77.92	7.62	73.66		80		
3-1/2	101.6										5.74	90.12	13,6	5.74	90.12	13,6				8.08	85.44	18.63	8.08	85.44	18.63									101.6			101.6		2.11	97.4	3.05	95.5	5.74	90.12	8.08	85.44		90		
4	114.3										6.02	102.3	16	6.02	102.3	16				8.56	97.18	22.32	8.56	97.18	22.32				11.1	92	28.32				13.49	87.32	33.54	17.12	80.06	41.03	21.1	72.1	3.05	108.2	5.02	104.3	8.56	97.18		100
5	141.3										6.55	128.2	21,8	6.55	128.2	21,8				9.53	122.24	30.97	9.53	122.2	30.97				12.7	116	40.28				15.88	109.5	49.11	19.05	103.2	57.43	2.77	136	3.4	134.5	6.55	128.2	9.53	122.2		125
6	168.3										7.11	154.1	28,3	7.11	154.1	28,3				10.97	146.36	42.56	10.97	146.4	42.56				14.3	140	54.20				18.26	131.8	67.56	21.95	124.4	79.22	2.77	163	3.4	161.5	7.11	154.1	10.97	146.4		150
8	219.1				6.35	206.4	33,3	7.04	205	36,8	8.18	202.7	42,6	8.18	202.7	42,5	10.31	198.5	53.08	12.7	193.7	64.64	12.7	193.7	64.64	15.1	189	75.92	18.3	183	90.44	20.6	178	100.92	23.01	173.1	111.27	22.23	174.6	107.92	2.77	214	3.76	211.6	8.18	202.7	12.7	193.7		200
10	273.1				6.35	260.4	41,77	7.8	257.5	51	9.27	254.6	60,3	9.27	254.6	60,3	12.7	247.7	81.55	12.7	247.7	81.55	15.09	242.9	96.01	18.3	237	114.75	21.4	230	133.06	25.4	222	155.15	28.58	215.9	172.33	25.4	222.3	155.15	3.4	266	4.19	264.7	9.27	254.6	12.7	247.7		250
12	323.9				6.35	311.2	49,7	8.38	307.1	65,2	9.53	304.8	73,9	10.31	303.3	79,7	14.27	295.4	108.96	12.7	298.5	97.46	17.48	288.9	132.08	21.4	281	159.91	25.4	273	186.97	28.6	267	208.14	33.32	257.3	238.76	25.4	273.1	186.97	3.96	316	4.57	314.8	9.52	304.9	12.7	298.5		300
14	355.6	6.35	342.9	54,7	7.92	339.8	67,9	9.53	336.5	81,4	9.53	336.5	81,4	11.13	333.3	94,5	15.09	325.4	126.71	12.7	330.2	107.39	19.05	317.5	158.10	23.8	308	194.96	27.8	300	224.65	31.8	292	253.56	35.71	284.2	281.70				3.96	348	4.78	346					350	
16	406.4	6.35	393.7	62,7	7.92	390.6	77,8	9.53	387.3	93,3	9.53	387.3	93,3	12.7	381	123,3	16.66	373.1	160.12	12.7	381	123.3	21.44	363.5	203.53	26.2	354	245.56	31	344	286.64	36.5	333	333.19	40.49	325.4	365.35				4.19	398	4.78	396.8					400	
18	457	6.35	444.3	70,6	7.92	441.2	87,7	11.13	434.7	122,4	9.53	437.9	105,2	14.27	428.5	155,8	19.05	418.9	205.74	12.7	431.6	139.15	23.88	409.2	254.55	29.4	398	309.62	34.9	387	363.56	39.7	378	408.26	45.24	366.5	459.37				4.19	449	7.78	441.4					450	
20	508	6.35	495.3	78,6	9.53	488.9	117,2	12.7	482.6	155,2	9.53	488.9	117,2	15.09	477.8	183,4	20.62	466.8	247.25	12.7	482.6	155.12	26.19	455.6	311.17	32.5	443	381.53	38.1	432	441.49	44.5	419	508.11	50.01	408	564.81				4.78	498	5.54	496.9					500	
22	559	6.35	546.3	86,6	9.53	539.9	129,2	12.7	533.6	171	9.53		127,2						294.25	12.7	533.6	171.09	28.58	501.8	373.83	34.9	489	451.42	41.3	476	527.02	47.6	464	600.63	53.98	451	672.26				4.78	549	5.54	547.9					550	
24	610	6.35	597.3	94,5	9.53	590.9	141,2	14.27	581.5	209,6	9.53	590.9	141,2	17.48	575	255,4																																		



FORGE STEEL

GATE, GLOBE & CHECK VALVES

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