

CHECK VALVE/FILTER SERIES

Product material:

WCB, A105, LCB, LF2, WC6, F11, WC9, F22, QT450, ZG1Cr5Mo, F5, ZG20CrMoV, ZG15Cr1Mo1V, 12Cr1MoV, C12A, F91, F92, CF8, F304, CF8M, F316, CF3, F304L, CF3M, F316L, CF8C, F347, F304H, F316H, F321H, 4A, F51, 5A, F53, Inconel, Monel, (Copper alloy), (Titanium alloy), (Hastelloy alloy), (Nickel alloy)等

Manufacturer's standard: GB, DIN, API, ANSI, JIS, BS等

Nominal Diameter: 10mm~4000mm及1/2"~160"

Working pressure: 0.25MPa~76.0MPa/150Lb~4500Lb/10K~320K

Operation temperature: -196°C~816°C

Applicable working conditions: petroleum, chemical, natural gas, power plants, nuclear power, military, municipal, metallurgical, construction, pharmaceutical, papermaking, coal mining, cement, pollution discharge, environmental protection, new energy and other industries





GB Swing Check Valve



GB Vertical Check Valve



Butterfly Wafer Check Valve



Wafer Check Valve



Welded Swing Check Valve



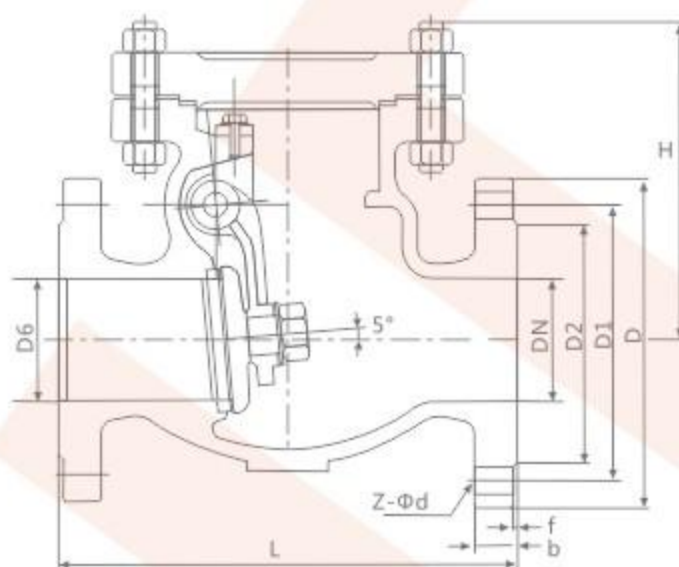
Y type Filter



Basket Filter

GB SWING CHECK VALVE

H44^H_W-16C/P/R



Standards

Design and manufacture as GB/T12236

Face to face dimensions as GB/T12221

End flange dimension as JB/T79

Pressure test as JB/T9092

Test Pressure

Test Item		Shell Test	Seal Test	Back Seal Test	Air Seal Test
Medium		Water			Air
Unit		MPa	MPa	MPa	MPa
Nominal Pressure PN(MPa)	1.6	2.4	1.8	1.8	0.5~0.7
	2.5	3.8	2.8	2.8	
	4.0	6.0	4.4	4.4	
	6.4	9.6	7.0	7.0	
	10.0	15.0	11.0	11.0	
	16.0	24.0	18.0	18.0	

Materials for Main Parts

Name	Material								
Body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Wedge	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Gasket	PTFF				Graphite				
Bolt	Stainless Steel				35CrMoA				
Nut	Stainless Steel				45、35CrMoA				

GB SWING CHECK VALVE

Main external and connection dimension

HG/T 20592

Type	DN(mm)	Dimension(mm)								Wall thickness	Reference weight (kg)
		L	D	D1	D2	D6	b-f	z-Φd	H		
H H44W-16 Y	20	150	105	75	55	-	18-2	4-Φ14	100	6.4	5
	25	160	115	85	65	-	18-2	4-Φ14	100	6.4	8
	32	180	140	100	78	-	18-2	4-Φ18	105	6.4	11
	40	200	150	110	85	-	18-3	4-Φ18	115	6.4	13
	50	230	165	125	100	-	18-3	4-Φ18	135	7.9	25
	65	290	185	145	120	-	18-3	8-Φ18	140	11	28
	80	310	200	160	135	-	20-3	8-Φ18	145	11.5	34
	100	350	220	180	155	-	20-3	8-Φ18	165	12.5	42
	125	400	250	210	185	-	22-3	8-Φ18	250	13	60
	150	480	285	240	210	-	22-3	8-Φ22	295	13.5	75
	200	550	340	295	265	-	24-3	12-Φ22	315	15	145
	250	650	405	355	320	-	26-3	12-Φ26	430	16	228
	300	750	460	410	375	-	28-4	12-Φ26	480	18	330
	350	850	520	470	435	-	30-4	16-Φ26	500	20	415
	400	950	580	525	485	-	32-4	16-Φ30	520	21	600
	450	1050	640	585	545	-	40-4	20-Φ30	580	22	802
	500	1150	715	650	608	-	44-4	20-Φ33	630	24	1010
	600	1350	840	770	718	-	54-5	20-Φ36	780	26	1558
H H44W-25 Y	20	150	105	75	55	-	18-2	4-Φ14	100	6.4	-
	25	160	115	85	65	-	18-2	4-Φ14	100	6.4	-
	32	180	140	100	78	-	18-2	4-Φ18	105	6.4	-
	40	200	150	110	85	-	18-3	4-Φ18	115	6.4	-
	50	230	165	125	100	-	20-3	4-Φ18	135	7.9	21
	65	290	185	145	120	-	22-3	8-Φ18	140	11	30
	80	310	200	160	135	-	24-3	8-Φ18	145	11.5	37
	100	350	235	190	160	-	24-3	8-Φ22	165	12.5	49
	125	400	270	220	188	-	26-3	8-Φ26	250	13	68
	150	480	300	250	218	-	28-3	8-Φ26	295	13.5	88
	200	550	360	310	278	-	30-3	12-Φ26	315	15	160
	250	650	425	370	332	-	32-3	12-Φ30	430	16	243
	300	750	485	430	390	-	34-4	16-Φ30	480	18	360
	350	850	555	490	448	-	38-4	16-Φ33	500	20	450
	400	950	620	550	505	-	40-4	16-Φ36	520	21	640
	450	1050	670	600	555	-	46-4	20-Φ36	580	22	840
	500	1150	730	660	610	-	48-4	20-Φ36	630	24	1070
	600	1350	845	770	718	-	58-5	20-Φ39	780	26	1650
H H44W-40 Y	20	150	105	75	55	51	18-2	4-Φ14	100	6.4	-
	25	160	115	85	65	58	18-2	4-Φ14	100	6.4	-
	32	180	140	100	78	66	18-2	4-Φ18	105	6.4	-
	40	200	150	110	85	76	18-3	4-Φ18	115	6.4	-
	50	230	165	125	100	88	20-3	4-Φ18	135	10	23
	65	290	185	145	120	110	22-3	8-Φ18	140	12	32
	80	310	200	160	135	121	24-3	8-Φ18	145	12.5	41
	100	350	235	190	160	150	24-3	8-Φ22	165	13.5	52
	125	400	270	220	188	176	26-3	8-Φ26	250	14	75
	150	480	300	250	218	204	28-3	8-Φ26	295	16	99
	200	550	375	320	282	260	34-3	12-Φ30	315	17	185
	250	650	450	385	345	313	38-3	12-Φ33	430	18.5	390
	300	750	515	450	408	364	42-4	16-Φ33	480	22	430
	350	850	580	510	465	422	46-4	16-Φ36	500	24	525
	400	950	660	585	535	474	50-4	16-Φ39	520	25	890
	450	1050	685	610	560	524	37-4	20-Φ39	580	26	950
	500	1150	755	670	612	576	57-4	20-Φ42	630	30	1300
	600	1350	890	795	730	678	72-5	20-Φ48	780	32	1690

GB SWING CHECK VALVE

Main external and connection dimension

HG/T 20592

PN(MPa)	DN(mm)	Size(mm)									Wall thickness	Reference weight (kg)
		L	D	D1	D2	D6	b-f	F2	Z-Φd	H		
6.3	50	300	180	135	105	88	26-3	4	4-Φ22	192	11	36
	65	340	205	160	130	110	26-3	4	8-Φ22	207	13	41
	80	380	215	170	140	121	28-3	4	8-Φ22	207	14	48
	100	430	250	200	168	150	30-3	4.5	8-Φ26	235	15	76
	125	500	295	240	202	176	34-3	4.5	8-Φ30	265	15.5	89
	150	550	345	280	240	204	36-3	4.5	8-Φ33	297	18	140
	200	650	415	345	300	260	42-3	4.5	12-Φ36	357	21	208
	250	775	470	400	352	313	46-3	4.5	12-Φ36	405	23	492
	300	900	530	460	412	364	52-4	4.5	16-Φ36	465	25	560
	350	1025	600	525	475	422	56-4	5	16-Φ39	514	28	870
	400	1150	670	585	525	474	60-4	5	16-Φ42	568	30	1085
	500	1400	-	705	640	576	-	5	-	620	35	2080
10.0	50	300	190	145	112	88	30-3	4	4-Φ26	192	13	-
	65	340	220	170	138	110	34-3	4	8-Φ26	207	13.5	-
	80	380	230	180	148	121	36-3	4	8-Φ26	235	15	-
	100	430	265	210	172	150	40-3	4.5	8-Φ30	265	18	-
	125	500	315	250	210	176	40-3	4.5	8-Φ33	313	19	-
	150	550	355	290	250	204	44-3	4.5	12-Φ33	360	23	-
	200	650	430	360	312	260	52-3	4.5	12-Φ36	420	28	370
	250	775	505	430	382	313	60-3	4.5	12-Φ39	480	32	595
	300	900	585	500	442	364	68-4	4.5	16-Φ42	520	36	805
	350	1025	655	560	498	422	74-4	5	16-Φ48	584	40	1290
	400	1150	715	620	558	474	78-4	5	16-Φ48	625	43	1445
	500	1400	-	705	640	576	-	5	-	620	35	2080
16.0	50	300	195	165	132	88	30-3	4	4-Φ26	251	18	-
	65	340	220	190	152	110	34-3	4	8-Φ26	282	20	-
	80	380	230	205	168	121	36-3	4	8-Φ26	320	24	-
	100	430	265	240	200	150	40-3	4.5	8-Φ30	356	30	-
	125	500	315	285	238	176	44-3	4.5	8-Φ33	393	35	-
	150	550	355	318	270	204	50-3	4.5	12-Φ33	430	35	-
	200	650	430	400	345	260	60-3	4.5	12-Φ36	470	40	-
	250	750	515	485	425	313	68-3	4.5	12-Φ42	514	45	-
	300	900	585	570	510	364	78-4	4.5	12-Φ42	570	50	-
	500	1400	-	705	640	576	-	5	-	620	35	2080
25.0	50	368	210	160	128	70	40-3	5	8-Φ25	310	23	-
	65	419	260	203	165	97	48-3	5	8-Φ30	346	26	-
	80	470	290	230	190	116	54-3	5	8-Φ34	385	30	-
	100	546	360	292	245	138	66-3	6	8-Φ41	406	35	-
	125	673	385	318	270	170	76-3	6	12-Φ41	534	38	-
	150	705	440	360	305	190	82-3	6	12-Φ45	560	40	-
	200	832	535	440	380	245	92-3	6	12-Φ51	318	45	-
	250	991	670	572	508	319	110-3	6	16-Φ55	673	50	-

API SWING CHECK VALVE

Overview

The American standard check valves produced by our company are designed and manufactured entirely according to American standards, with a beautiful and advanced structure. American standard check valve refers to a valve that automatically opens and closes the valve disc based on the flow of the medium itself to prevent medium backflow, also known as a check valve, one-way valve, or backflow valve. A check valve is an automatic valve that primarily functions to prevent media backflow, prevent pump and drive motor reversal, and discharge container media.

Performance parameter

Number	Entry Name	Entry Name					
		150(Lb)	300(Lb)	600(Lb)	900(Lb)	1500(Lb)	2500(Lb)
1	PN (MPa)	2.0	5.0	10.0	15.0	25.0	42.0
2	Shell strength test pressure (MPa)	1.5 Times the nominal pressure at room temperature					
3	High-pressure sealing test pressure (MPa)	1.1Times the nominal pressure at room temperature					
4	Nominal pressure at room temperature (MPa)	According to ASME B16.34 pressure temperature rating					

Product specification

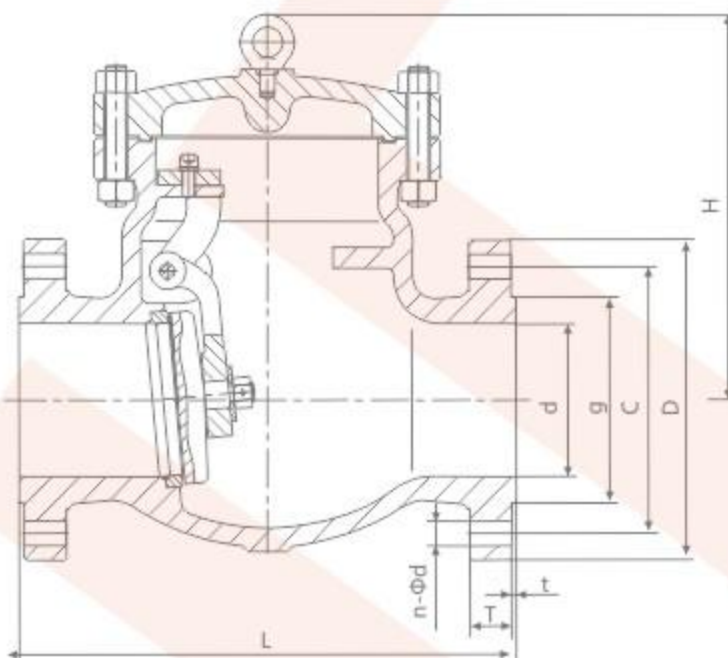
Design	Structure Length	Connection flange	Test and Inspection	ASME B16.34
BS1868/API6D ASME B16.34	ASME B16.10	ASME B16.5 ASME B16.47A系列	API 598/API 6D	ASME B16.34

Main components material

Part Name	Material name					
Valve body	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
Valve cover	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
Valve plate	A216 WCB	A217 WC6	A351 Cf8	A351 CF8M	A351 CF3	A351 CF3M
Sealing surface	13Cr/STL	STL	本体/STL	本体/STL	本体/STL	本体/STL
Valve shaft	A182 F6a	A182 F11	A182 F304	A182 F316	A182 F304L	A182 F316L
Shim	304+flexible graphite/soft iron	304+flexible graphite/F304	304+flexible graphite/F304	316+flexible graphite/F316	304L+flexible graphite/F304L	316L+flexible graphite/F316L
Bolt	A193 B7	A193 B16	A193 B8	A193 B8M	A193 B8	A193 B8M
Nut	A194 2H	A194 4	A194 8	A194 8M	A194 8	A194 8M
Operating temperature	-29~425℃	-29~540℃	-46~425℃	-46~425℃	-46~425℃	-46~425℃
Applicable medium	Water, steam, oil, etc	Water, steam, etc	Nitric acid weakly corrosive medium	Nitric acid weakly corrosive medium	Nitric acid weakly corrosive medium	Nitric acid weakly corrosive medium

API SWING CHECK VALVE

H44^H_W^Y-150Lb



Main external and connection dimension

Nominal pressure	Dimensions(mm)									
	in	d	L	D	C	g	T	t	H	n-Φ
Class 150Lb	1/2"	15	108	89	60.5	35	12	1.6	-	4-15
	3/4"	20	117	98	70.0	43	12	1.6	-	4-15
	1"	25	127	108	79.5	51	12	1.6	-	4-15
	1-1/4"	32	140	117	89	64	13	1.6	-	4-15
	1-1/2"	40	165	127	98.5	73	15	1.6	-	4-15
	2"	50	203	152	120.5	92	16	1.6	161	4-19
	2-1/2"	65	216	178	139.5	105	18	1.6	180	4-19
	3"	80	241	190	152.5	127	19	1.6	190	4-19
	4"	100	292	229	190.5	157	24	1.6	203	8-19
	5"	125	330	254	216	186	24	1.6	229	8-22
	6"	150	356	279	241.5	216	26	1.6	257	8-22
	8"	200	495	343	298.5	270	29	1.6	292	8-22
	10"	250	622	406	362	324	31	1.6	355	12-25
	12"	300	698	483	432	381	32	1.6	396	12-25
	14"	350	787	533	476	413	35	1.6	445	12-29
	16"	400	864	597	540	470	37	1.6	490	16-29
	18"	450	978	635	578	533	40	1.6	520	16-32
	20"	500	978	698	635	584	43	1.6	546	20-32
	24"	600	1295	813	749.5	692	49	1.6	880	20-35
	26"	650	1295	786	744.5	711	41	1.6	910	36-22
	28"	700	1448	837	795.5	762	44	1.6	935	40-22
	30"	750	1524	887	846.0	813	44	1.6	970	44-22

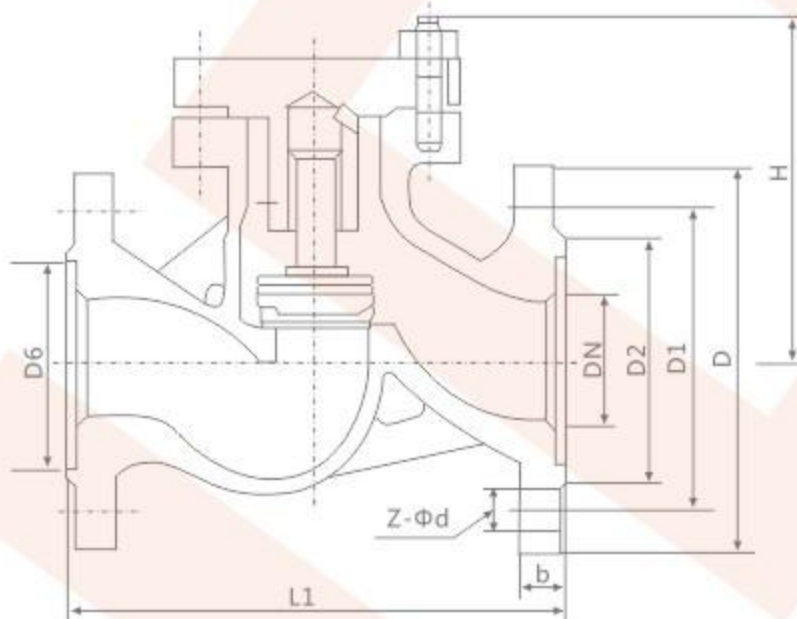
API SWING CHECK VALVE

Dimensions of Flanged end

Nominal pressure	Dimensions(mm)									
	in	d	L	D	C	g	T	t	H	n-Φ
Class 300Lb	1/2"	15	152	95	66.5	35	15	1.6	-	4-15
	3/4"	20	178	117	82.5	43	16	1.6	-	4-19
	1"	25	203	124	89	51	18	1.6	-	4-19
	1-1/4"	32	216	133	98.5	63	19	1.6	-	4-19
	1-1/2"	40	229	156	114.5	73	21	1.6	-	4-22
	2"	50	267	165	127	92	22	1.6	178	8-19
	2-1/2"	65	292	190	149	105	25	1.6	190	8-22
	3"	80	318	210	168	127	29	1.6	216	8-22
	4"	100	356	254	200	157	32	1.6	241	8-22
	5"	125	400	279	235	186	35	1.6	267	8-22
	6"	150	444	318	270	216	37	1.6	305	12-22
	8"	200	533	381	330	270	41	1.6	368	12-25
	10"	250	622	444	387.5	324	48	1.6	394	16-29
	12"	300	711	521	451	381	51	1.6	445	16-32
	14"	350	838	584	514.5	413	54	1.6	470	20-32
	16"	400	864	648	571.5	470	57	1.6	533	20-35
	18"	450	978	711	628.5	533	60	1.6	584	24-35
	20"	500	1016	775	686	584	64	1.6	610	24-35
	24"	600	1346	914	813	692	70	1.6	900	24-41
Class 600Lb	2"	50	292	165	127	92	33	6.4	203	8-19
	2-1/2"	65	330	190	149	105	36	6.4	229	8-22
	3"	80	356	210	168	127	39	6.4	235	8-22
	4"	100	432	273	216	157	45	6.4	286	8-25
	5"	125	508	330	266.5	186	52	6.4	292	8-29
	6"	150	559	356	292	216	55	6.4	330	12-29
	8"	200	660	419	349	270	63	6.4	381	12-32
	10"	250	787	508	432	324	71	6.4	457	16-35
	12"	300	838	559	489	381	74	6.4	584	20-35
	14"	350	889	603	527	413	77	6.4	635	20-38
	16"	400	991	686	603	470	84	6.4	684	20-41
	18"	450	1092	743	654	533	90	6.4	752	20-44
	20"	500	1194	813	724	584	96	6.4	975	24-44

GB LIFT CHECK VALVE

H41^H_W-16C/P/R



Standards

Design and manufacture as GB/T12235
Face to face dimensions as GB/T12221
End flange dimension as JB/T79
Pressure test as JB/T9092

试验压力 Test Pressure

Test Item		Shell Test	Seal Test	Back Seal Test	Air Seal Test
Medium		Water			Air
Unit		MPa	MPa	MPa	MPa
Nominal Pressure PN(MPa)	1.6	2.4	1.8	1.8	0.5~0.7
	2.5	3.8	2.8	2.8	
	4.0	6.0	4.4	4.4	
	6.4	9.6	7.0	7.0	
	10.0	15.0	11.0	11.0	
	16.0	24.0	18.0	18.0	

Materials for Main Parts

Name	Material								
Body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Wedge	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Gasket	PTFF				Graphite				
Bolt	Stainless Steel				35CrMoA				
Nut	Stainless Steel				45、 35CrMoA				

GB LIFT CHECK VALVE

Main Connection Dimensions

HG/T 20592

Type	DN(mm)	Dimension(mm)									Wall thickness	Reference weight (kg)
		L	D	D1	D2	D6	b-f	f1	z-Φd	H		
H H41W-16 Y	15	130	95	65	45	-	16-2	-	4-Φ14	90	6.3	-
	20	150	105	75	55	-	18-2	-	4-Φ14	105	6.3	-
	25	160	115	85	65	-	18-2	-	4-Φ14	115	6.3	-
	32	180	140	100	78	-	18-2	-	4-Φ18	120	6.3	-
	40	200	150	110	85	-	18-3	-	4-Φ18	130	6.3	-
	50	230	165	125	100	-	18-3	-	4-Φ18	140	7.9	21
	65	290	185	145	120	-	18-3	-	8-Φ18	150	11	28
	80	310	200	160	135	-	20-3	-	8-Φ18	170	11.5	35
	100	350	220	180	155	-	20-3	-	8-Φ18	185	12.5	45
	125	400	250	210	185	-	22-3	-	8-Φ18	195	13	65
	150	480	285	240	210	-	22-3	-	8-Φ22	225	13.5	80
	200	600	340	295	265	-	24-3	-	12-Φ22	250	15	146
	250	650	405	355	320	-	26-3	-	12-Φ26	270	16	228
	300	750	460	410	375	-	28-3	-	12-Φ26	300	18	330
H H41W-25 Y	15	130	95	65	45	-	16-2	-	4-Φ14	90	6.3	-
	20	150	105	75	55	-	18-2	-	4-Φ14	105	6.3	-
	25	160	115	85	65	-	18-2	-	4-Φ14	115	6.3	-
	32	180	140	100	78	-	18-2	-	4-Φ18	120	6.3	-
	40	200	150	110	85	-	18-3	-	4-Φ18	130	6.3	-
	50	230	165	125	100	-	20-3	-	4-Φ18	140	7.9	21
	65	290	185	145	120	-	22-3	-	8-Φ18	150	11	30
	80	310	200	160	135	-	24-3	-	8-Φ18	170	11.5	37
	100	350	235	190	160	-	24-3	-	8-Φ22	185	12.5	49
	125	400	270	220	188	-	26-3	-	8-Φ26	195	13	68
	150	480	300	250	218	-	28-3	-	8-Φ26	225	13.5	88
	200	600	360	310	278	-	30-3	-	12-Φ26	250	15	161
	250	650	425	370	335	-	32-3	-	12-Φ30	270	16	243
	300	750	485	430	390	-	34-4	-	16-Φ30	300	18	360
H H41W-40 Y	25	160	115	85	65	58	18-2	4	4-Φ14	115	6.3	-
	32	180	140	100	78	66	18-2	4	4-Φ18	120	6.3	-
	40	200	150	110	85	76	18-3	4	4-Φ18	130	6.3	-
	50	230	165	125	100	88	20-3	4	4-Φ18	140	10	23
	65	290	185	145	120	110	22-3	4	8-Φ18	150	12	32
	80	310	200	160	135	121	24-3	4	8-Φ18	170	12.5	41
	100	350	235	190	160	150	24-3	4.5	8-Φ22	185	13.5	52
	125	400	270	220	188	176	26-3	4.5	8-Φ26	195	14	75
	150	480	300	250	218	204	28-3	4.5	8-Φ26	225	16	99
	200	600	375	320	282	260	34-3	4.5	12-Φ30	250	17	185
H H41W-64 Y	15	170	105	75	55	40	20-2	4	4-Φ14	110	7.4	-
	20	190	130	90	68	51	22-2	4	4-Φ18	125	7.9	-
	25	210	140	100	78	58	24-2	4	4-Φ18	152	7.9	-
	32	230	155	110	82	66	26-2	4	4-Φ22	168	8.6	-
	40	260	170	125	95	76	28-3	4	4-Φ22	170	9.4	-
	50	300	180	135	105	88	26-3	4	4-Φ22	188	11	36
	65	340	205	160	130	110	26-3	4	8-Φ22	205	13	41
	80	380	215	170	140	121	28-3	4	8-Φ22	230	14	48
	100	430	250	200	168	150	30-3	4.5	8-Φ26	280	15	76
	125	500	295	240	202	176	34-3	4.5	8-Φ30	300	15.5	89
	150	550	345	280	240	204	36-3	4.5	8-Φ33	350	18	140
	200	650	415	345	300	260	42-3	4.5	12-Φ36	400	21	208

GB VERTICAL CHECK VALVE

H42H-¹⁶/₂₅/₄₀C/P/R

Purpose

This valve is used as a device to prevent medium backflow on industrial pipelines.

The performance specification

Test pressure: nominal pressure (MPa) 1.6/2.5/4.0

Shell test: 2.4/3.8/6.0;

Sealing test: 1.8/2.8/4.4

Valve body material: WCB (C)/CF8 (P)/CF 8M (R)/C6/C9

Working temperature: ≤ 425/≤ 100/≤ 100/≤ 550/≤ 550

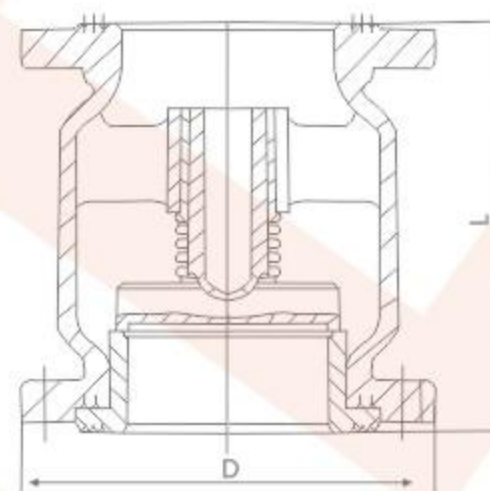
Applicable media: water, steam, oil, nitric acid, acetic acid, etc,

Execution standard: Design and manufacturing: GB12235

Structural length: GB12221

Connecting flange: JB/T79-1994

Testing and Inspection: JB/T9092-1999



Main external and connection dimension

H42H-16C、P、R

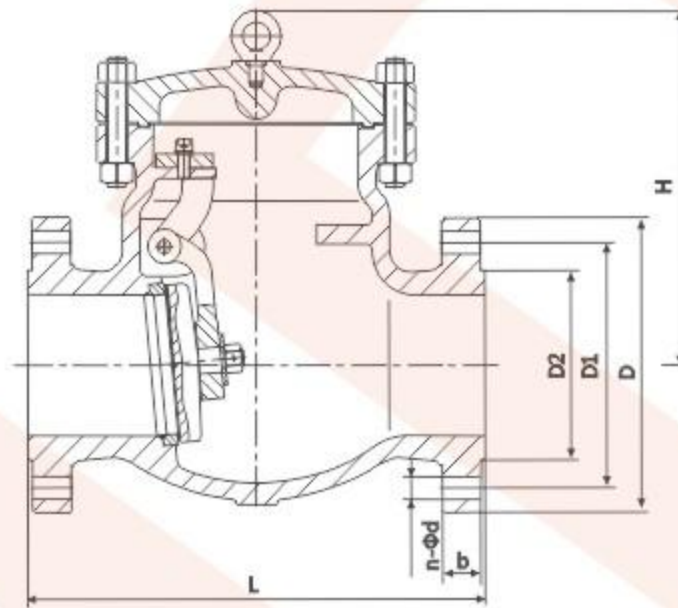
DN(mm)	Dimension(mm)					
	L	D	D1	D2	b-f	z-Φd
15	80	95	65	45	14-2	4-Φ14
20	95	105	75	55	14-2	4-Φ14
25	105	115	85	65	14-2	4-Φ14
32	150	135	100	78	16-2	4-Φ18
40	160	145	110	85	16-3	4-Φ18
50	170	160	125	100	16-3	4-Φ18
65	180	180	145	120	18-3	4-Φ18
80	200	195	160	135	20-3	8-Φ18
100	210	215	180	155	20-3	8-Φ18
125	275	245	210	185	22-3	8-Φ18
150	300	280	240	210	24-3	8-Φ23
200	380	335	295	265	26-3	12-Φ23
250	450	405	355	320	30-3	12-Φ25

Main external and connection dimension

H42H-25C、P、R

DN(mm)	Dimension(mm)					
	L	D	D1	D2	b-f	z-Φd
15	80	95	65	45	16-2	4-Φ14
20	95	105	75	55	16-2	4-Φ14
25	105	115	85	65	16-2	4-Φ14
32	150	135	100	78	18-2	4-Φ18
40	160	145	110	85	18-2	4-Φ18
50	170	160	125	100	20-3	4-Φ18
65	180	180	145	120	22-3	8-Φ18
80	200	195	160	135	22-3	8-Φ18
100	210	230	190	160	24-3	8-Φ23
125	275	270	220	188	28-3	8-Φ25
150	300	300	250	218	30-3	8-Φ25
200	380	360	310	278	34-3	12-Φ25
250	450	425	370	335	36-3	12-Φ30

JIS SWING CHECK VALVE



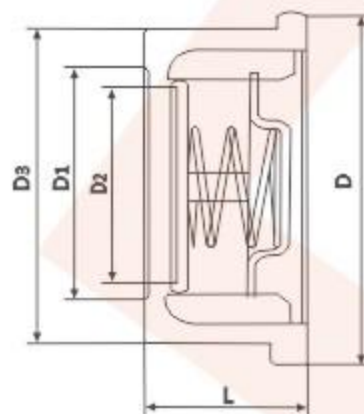
Product specification

Design	Structure Length	Connection flange	Pressure-temperature	Test and Inspection
JIS B2074 B2084	JIS B2002	JIS B2212 B2214	JIS B2074 B2084	JIS B2003

Dimensions of Flanged end

DN		10K						
mm	in	L	D	D1	D2	b	n-Φd	H
50	2"	203	155	120	100	16	4-19	165
65	2 1/2"	216	175	140	120	18	4-19	175
80	3"	241	185	150	130	18	8-19	190
100	4"	292	210	175	155	18	8-19	215
150	6"	406	280	240	215	22	8-23	265
200	8"	495	330	290	265	22	12-23	320
250	10"	622	400	355	325	24	12-25	365
300	12"	698	445	400	370	24	16-25	415
350	14"	787	490	445	415	26	16-25	460

H71 WAFER TYPE STAINLESS STEEL CHECK VALVE



PN10/16

PN(MPa)	DN(mm)	Size(mm)			Reference weight(kg)	Piping flange (for reference)			
		L	d	A		Bolt hole center circle diameter D1	Number of bolts	Bolt diameter D	Bolt length L1
1.0 1.6	15	16	45	18	0.12	65	4	M12	75
	20	19	55	25	0.24	75	4	M12	90
	25	22	65	32	0.34	85	4	M12	90
	32	28	78	38	0.53	100	4	M16	100
	40	32	85	45	0.80	110	4	M16	105
	50	40	100	57	1.2	125	4	M16	125
	65	46	120	73	2.2	145	4	M16	130
	80	50	135	89	3.1	160	8	M16	135
	100	60	155	108	5.7	180	8	M16	150
	125	90	185	133	10	210	8	M16	180
	150	106	210	159	14	240	8	M20	210
	200	140	265	219	24	295	12	M20	240
	250	160	320	273	35	355	12	M20	260

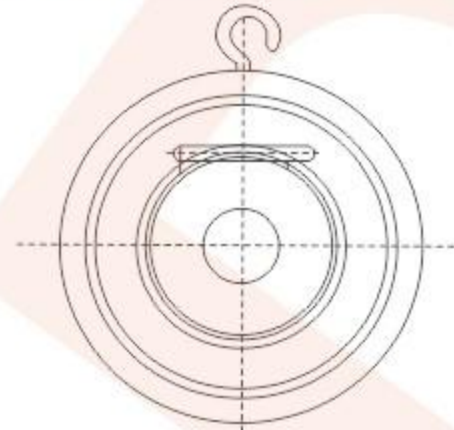
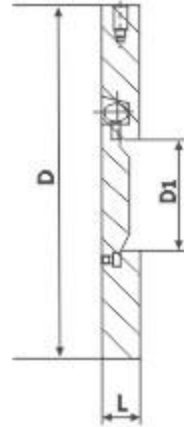
PN25

2.5	15	16	45	18	0.12	65	4	M12	80
	20	19	55	25	0.24	75	4	M12	90
	25	22	65	32	0.34	85	4	M12	90
	32	28	78	38	0.53	100	4	M16	110
	40	32	85	45	0.80	110	4	M16	115
	50	40	100	57	1.2	125	4	M16	125
	65	46	120	73	2.2	145	8	M16	135
	80	50	135	89	3.1	160	8	M16	145
	100	60	160	108	7.0	190	8	M20	160
	125	90	188	133	12	220	8	M22	205
	150	106	218	159	15	250	8	M22	225
	200	140	278	219	26	310	12	M22	260
	250	160	332	273	40	370	12	M27	280

PN40

4.0	15	16	45	18	15	65	4	M12	80
	20	19	55	25	19	75	4	M12	90
	25	22	65	32	24	85	4	M12	90
	32	28	78	38	31	100	4	M16	110
	40	32	85	45	39	110	4	M16	115
	50	40	100	57	48	125	4	M16	125
	65	46	120	73	63	145	8	M16	135
	80	50	135	89	78	160	8	M16	145
	100	60	160	108	98	190	8	M20	160
	125	90	188	133	123	220	8	M22	205
	150	106	218	159	148	250	8	M22	225
	200	140	282	219	248	320	12	M27	275
	250	160	345	273	198	385	12	M30	295

WAFER TYPE STAINLESS STEEL CHECK VALVE^{H74}



PN10

PN(MPa)	Size(mm)			Piping flange (for reference)		
	L	d	D1	Bolt hole center circle diameter D1	Number of bolts	Bolt diameter D
50	14.5	100	25	125	4	M16
60	14.5	120	38	145	4	M16
80	14.5	135	46	160	4	M16
100	14.5	155	71.5	180	8	M16
125	16	185	95	210	8	M16
150	19	210	114	240	8	M20
200	29	265	140	295	8	M20
250	29	320	188	350	12	M20
300	38	368	216	400	12	M20
350	41	428	263	460	16	M20
400	51	482	305	515	16	M24
450	51	532	356	565	20	M24
500	65	585	406	620	20	M24
600	70	685	482	725	20	M27

PN16

50	14.5	100	25	125	4	M16
60	14.5	120	38	145	4	M16
80	14.5	135	46	160	8	M16
100	14.5	155	71.5	180	8	M16
125	16	185	95	210	8	M16
150	19	210	114	240	8	M20
200	29	265	140	295	12	M20
250	29	320	188	355	12	M24
300	38	375	216	410	12	M24
350	41	435	263	470	16	M24
400	51	485	305	525	16	M27
450	51	545	356	585	20	M27
500	65	608	406	650	20	M30
600	70	718	482	770	20	M33

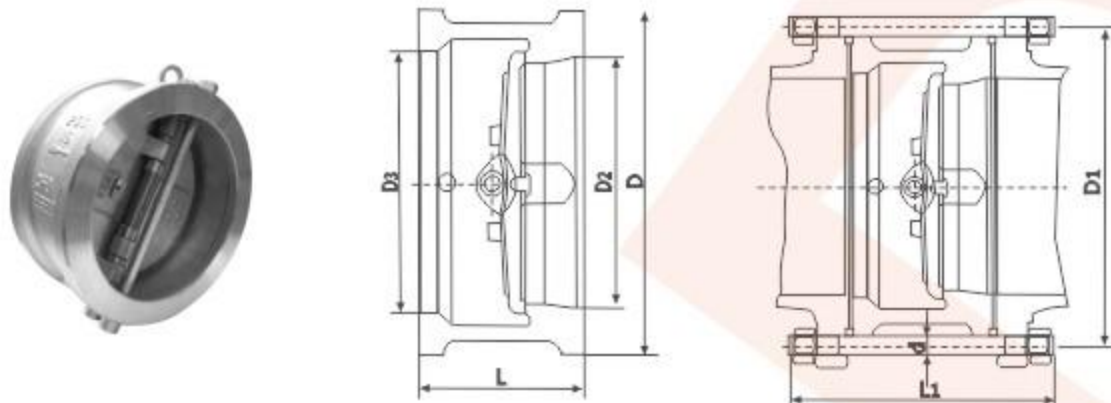
PN25

50	14.5	100	25	125	4	M16
60	14.5	120	38	145	8	M16
80	14.5	135	46	160	8	M16
100	14.5	160	71.5	190	8	M20
125	16	188	95	220	8	M24
150	19	218	114	250	8	M24
200	29	278	140	310	12	M24
250	29	332	188	370	12	M27
300	38	390	216	430	16	M27
350	41	448	263	490	16	M30
400	51	505	305	550	16	M33
450	51	555	356	600	20	M33
500	65	610	406	660	20	M33
600	70	718	482	770	20	M36

PN40

50	14.5	100	51	125	4	M16
60	14.5	120	65	145	8	M16
80	14.5	135	80	160	8	M16
100	14.5	160	105	190	8	M20
125	16	188	127	220	8	M24
150	19	218	152	250	8	M24
200	29	282	203	320	12	M27
250	29	345	254	385	12	M30
300	38	408	305	405	16	M30
350	41	465	350	510	16	M33
400	51	535	400	585	16	M36
450	51	560	450	610	20	M36
500	65	612	500	670	20	M39
600	70	750	600	795	20	M45

H76 WAFER TYPE STAINLESS STEEL CHECK VALVE



PN10

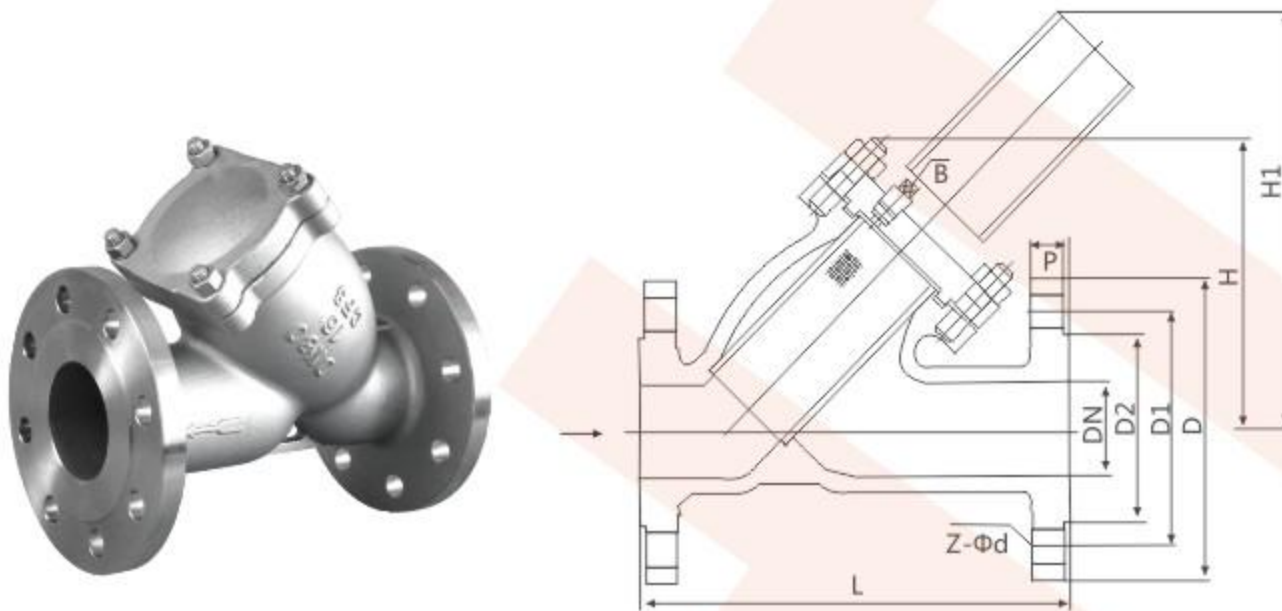
PN(MPa)	Size(mm)				Reference weight(kg)	Piping flange (for reference)			
	L	d	D3	D2		Bolt hole center circle diameter D1	Number of bolts	Bolt diameter D	Bolt length L1
40	60	96	46	41	2	110	4	M16	150
50	60	109	56	51	2	125	4	M16	150
65	67	129	73	65	3	145	4	M16	155
80	73	144	88	80	4	160	8	M16	160
100	73	164	108	102	6	180	8	M16	165
125	83	194	132	127	8	210	8	M16	180
150	98	220	160	152	12	240	8	M20	205
200	127	275	210	203	24	295	8	M20	235
250	146	330	266	254	35	350	12	M20	255
300	181	380	310	305	48	400	12	M20	290
350	184	440	355	350	78	460	16	M20	295
400	198	493	405	400	106	515	16	M24	310
450	203	543	455	450	135	565	20	M24	325
500	219	598	505	500	165	620	20	M24	345
600	222	698	605	600	260	725	20	M24	355
700	305	811	700	695	360	840	24	M27	440
800	305	918	800	796	540	950	24	M30	450
900	368	1018	903	898	620	1050	28	M30	520
1000	432	1124	1055	1050	880	1160	28	M33	590
1200	524	1340	1205	1200	1380	1380	32	M36	695

PN16

40	60	96	46	41	2	110	4	M16	150
50	60	109	56	51	2	125	4	M16	150
65	67	129	73	65	3	145	4	M16	155
80	73	144	88	80	4	160	8	M16	160
100	73	164	108	102	6	180	8	M16	165
125	83	194	132	127	8	210	8	M16	180
150	98	220	160	152	13	240	8	M20	205
200	127	275	210	203	24	295	12	M20	235
250	146	333	266	254	37	355	12	M24	265
300	181	288	310	305	50	410	12	M24	305
350	184	448	355	350	80	470	16	M24	310
400	198	498	405	400	110	525	16	M27	330
450	203	558	455	450	145	585	20	M27	345
500	219	630	505	500	180	650	20	M30	370
600	222	734	605	600	280	770	20	M33	380
700	305	802	700	695	380	840	24	M33	470
800	305	912	800	796	560	950	24	M36	475
900	368	1012	903	898	640	1050	28	M36	545
1000	432	1126	1055	1050	900	1170	28	M39	620
1200	524	1340	1205	1200	1400	1390	32	M45	735

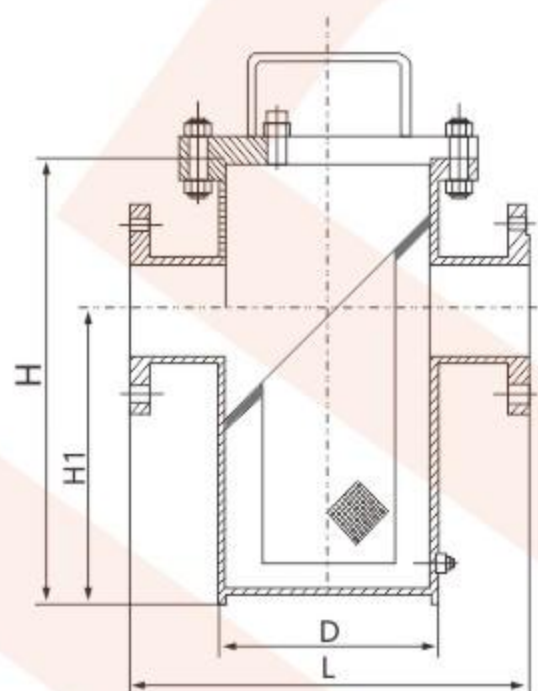
PN25

40	60	96	46	41	2	110	4	M16	150
50	60	109	56	51	2	125	4	M16	150
65	67	129	73	65	3	145	4	M16	160
80	73	144	88	80	4	160	8	M16	170
100	73	170	108	102	6	190	8	M20	180
125	83	198	132	127	8	220	8	M24	205
150	98	228	160	152	14	250	8	M24	220
200	127	288	210	203	27	310	12	M24	255
250	146	343	266	254	42	370	12	M27	285
300	181	403	310	305	54	430	12	M27	325
350	184	460	355	350	86	490	16	M30	340
400	198	520	405	400	120	550	16	M33	360
450	203	565	455	450	150	600	20	M33	375
500	219	622	505	500	200	660	20	M33	395
600	222	732	605	600	340	770	20	M36	410
700	305	831	700	695	400	875	24	M39	500
800	305	942	800	796	580	990	24	M45	520
900	368	1040	903	898	660	1090	28	M45	590
1000	432	1155	1055	1050	960	1210	28	M52	675
1200	524	1365	1205	1200	1440	1420	32	M52	790

GB Y TYPE FILTER**GL41W-16C/P/R****PN16**

DN(mm)	Size(mm)						
	L	D	D1	D2	b	Z-Φd	H
15	130	95	65	45	14-2	4-Φ14	60
20	145	105	75	55	14-2	4-Φ14	70
25	150	115	85	65	14-2	4-Φ14	70
32	180	135	100	78	16-2	4-Φ18	75
40	200	145	110	85	16-3	4-Φ18	90
50	223	160	125	100	16-3	4-Φ18	105
65	252	180	145	120	18-3	4-Φ18	150
80	283	195	160	135	20-3	8-Φ18	175
100	322	215	180	155	20-3	8-Φ18	200
125	350	245	210	185	22-3	8-Φ18	205
150	385	280	240	210	24-3	8-Φ23	260
200	477	335	295	265	26-3	12-Φ23	300
250	590	405	355	320	30-3	12-Φ25	380
300	620	460	410	375	30-4	12-Φ25	410

BASKET FILTER



Basket filter installation size

Nominal diameter DN(mm)	Size(mm)				Silencer
	D	L	H	H1	
15	76	180	260	160	R3/4"
20	76	180	260	160	R3/4"
25	76	220	260	160	R3/4"
32	76	220	270	160	R3/4"
40	114	280	300	170	R3/4"
50	114	280	300	170	R3/4"
65	133	330	350	240	R3/4"
80	159	340	400	250	R3/4"
100	219	420	470	300	R3/4"
125	273	480	500	360	R3/4"
150	273	500	620	420	R3/4"
200	325	560	780	530	R3/4"
250	426	660	930	640	R3/4"
300	478	750	1200	840	R3/4"
350	500	810	1370	920	R3/4"
400	550	900	1500	950	R1"
450	608	1000	1700	1000	R1"
500	700	1080	1900	1050	R1"
600	800	1380	2000	1400	R1"
800	950	1500	2300	1600	R1"

Product selection standard

Nominal diameter DN(mm)	DN15~DN1200	Connection method	Flanges, butt welds, threads, clamps, socket welds
Shell material	Carbon steel, stainless steel, etc	Flange pressure	0.25-16MPa(150LB-2500LB)
Filter material	Stainless steel, etc	Flange sealing surface	FF, RF, M, FM, RJ, T, G
Filtering accuracy	10-500 mesh	Gasket material	PTFE, Metal wrapping, nitrile rubber, etc