

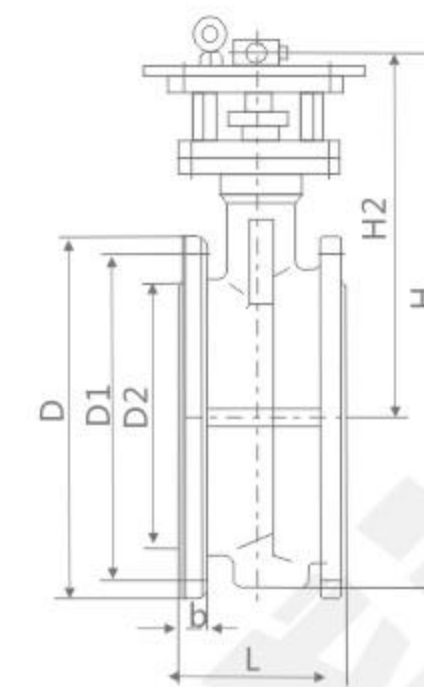
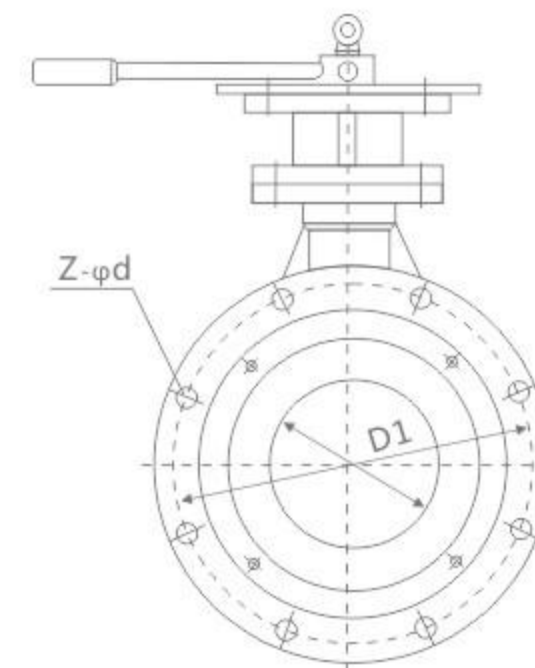
BUTTERFLY VALVE SERIES

蝶阀系列



D43H手动法兰式金属硬密封蝶阀

Manual Flanged Metal Hard Seal Butterfly Valve



应用规范

设计、制造按GB/T12238-1989
结构长度按GB/T12221-2005
连接法兰：GB/T9113-2000
阀门检查和试验按JB/T9092-1999

Application specification

Design, manufacture : GB/T12238-1989
Length of the structure : GB/T12221-2005
Connecting flange : GB/T9113-2000
Valve inspection and test : JB/T9092-1999

D43^H_F-10C.P.R连接尺寸

通径DN	L	D	D1	D2	Z-φd	b	H	H2
50	108	165	125	99	4-18	20	340	112
65	112	185	145	118	4-18	20	360	115
80	114	200	160	132	8-18	20	380	120
100	127	220	180	156	8-18	22	410	130
125	140	250	210	184	8-18	22	460	165
150	140	285	240	211	8-22	24	490	175

D43^H_F-16C.P.R连接尺寸

通径DN	L	D	D1	D2	Z-φd	b	H	H2
50	108	165	125	99	4-18	20	340	112
65	112	185	145	118	4-18	20	360	115
80	114	200	160	132	8-18	20	380	120
100	127	220	180	156	8-18	22	410	130
125	140	250	210	184	8-18	22	460	165
150	140	285	240	211	8-22	24	490	175

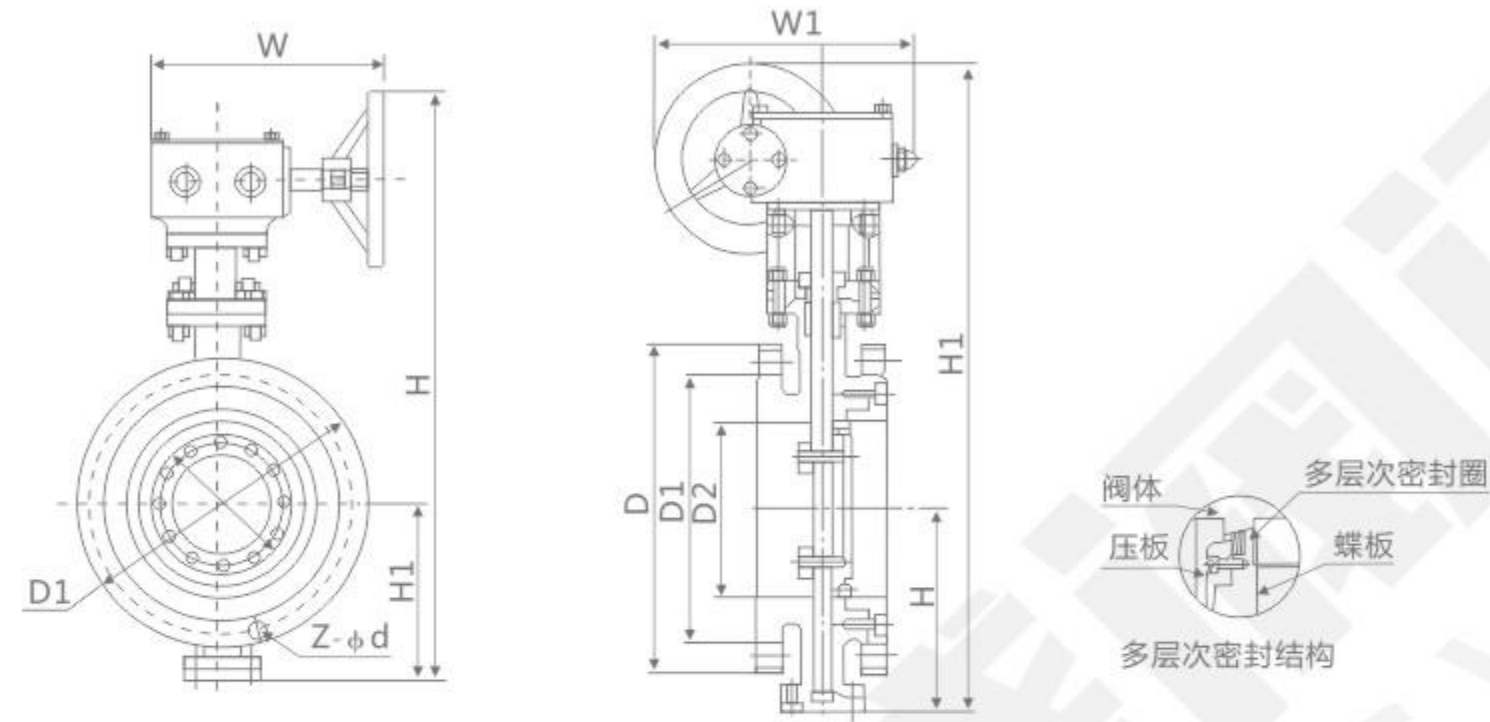
D43^H_F-25C.P.R连接尺寸

通径DN	L	D	D1	D2	Z-φd	b	H	H2
50	108	165	125	99	4-18	20	340	112
65	112	185	145	118	8-18	22	360	115
80	114	200	160	132	8-18	24	380	120
100	127	235	190	156	8-22	24	425	130
125	140	270	220	184	8-26	26	480	175
150	140	300	250	211	8-26	28	520	190

D343H蜗轮传动法兰式金属硬密封蝶阀

Worm gear drive flange type cauldron hard seal butterfly valve

D343^H_F-10C.P.R连接尺寸



应用规范

设计、制造按GB/T12238-1989
 结构长度按GB/T12221-2005
 连接法兰：GB/T9113-2000
 阀门检查和试验按JB/T9092-1999

Application specification

Design, manufacture : GB/T12238-1989
 Length of the structure : GB/T12221-2005
 Connecting flange : GB/T9113-2000
 Valve inspection and test : JB/T9092-1999

通径DN	L	D	D1	D2	Z-φd	b	H	H1	W	W1	D0
50	108	165	125	99	4-18	20	360	112	200	200	160
65	112	185	145	118	4-18	20	380	115	200	200	160
80	114	200	160	132	8-18	20	455	120	220	200	160
100	127	220	180	156	8-18	22	490	140	240	200	160
125	140	250	210	184	8-18	22	490	170	260	200	160
150	140	285	240	211	8-22	24	630	180	280	280	240
200	152	340	295	266	8-22	24	690	210	320	280	240
250	165	395	350	319	12-22	26	830	240	360	280	240
300	178	445	400	370	12-22	26	930	290	460	420	310
350	190	505	460	429	16-22	26	1010	320	500	420	310
400	216	565	515	480	16-26	26	1070	350	540	420	310
450	222	615	565	530	20-26	28	1140	380	580	420	310
500	229	670	620	582	20-26	28	1200	410	620	420	310
600	267	780	725	682	20-30	34	1340	470	660	420	310
700	292	895	840	794	24-30	34	1600	550	750	550	400
800	318	1015	950	901	24-33	36	1780	640	800	550	400
900	330	1115	1050	1001	28-33	38	1920	710	850	550	400
1000	410	1230	1160	1112	28-36	38	1960	770	1000	750	500
1200	470	1455	1380	1328	32-39	44	2360	875	1050	750	500
1400	530	1675	1590	1530	36-42	48	2530	970	800	890	600
1600	600	1915	1820	1750	40-48	52	2640	1100	800	890	600
1800	670	2115	2020	1950	44-48	56	2800	1200	830	920	700
2000	760	2325	2230	2150	48-48	60	3100	1290	850	940	700

D343H蜗轮传动法兰式金属硬密封蝶阀

Worm gear drive flange type cauldron hard seal butterfly valve

D343^H_F-16C.P.R连接尺寸

通径DN	L	D	D1	D2	Z-φd	b	H	H1	W	W1	D0
50	108	165	125	99	4-18	20	360	112	200	200	160
65	112	185	145	118	4-18	20	380	115	200	200	160
80	114	200	160	132	8-18	20	455	120	220	200	160
100	127	220	180	156	8-18	22	490	140	240	200	160
125	140	250	210	184	8-18	22	490	170	260	200	160
150	140	285	240	211	8-22	24	630	180	280	280	240
200	152	340	295	266	12-22	24	690	210	320	280	240
250	165	405	355	319	12-26	26	830	240	360	280	240
300	178	460	410	370	12-26	28	930	290	460	420	310
350	190	520	470	429	16-26	30	1010	320	500	420	310
400	216	580	525	480	16-30	32	1070	350	540	420	310
450	222	640	585	548	20-30	40	1140	380	580	420	310
500	229	715	650	609	20-33	44	1200	410	620	420	310
600	267	840	770	720	20-36	44	1340	470	660	420	310
700	292	910	840	794	24-36	50	1600	550	750	550	400
800	318	1025	950	901	24-39	52	1780	640	800	550	400
900	330	1125	1050	1001	28-39	54	1920	710	850	550	400
1000	410	1255	1170	1112	28-42	56	1960	770	1000	750	500
1200	470	1485	1390	1328	32-48	44	2360	875	1050	750	500
1400	530	1690	1590	1530	36-48	48	2530	970	800	890	600
1600	600	1930	1820	1750	40-56	52	2640	1100	800	890	600

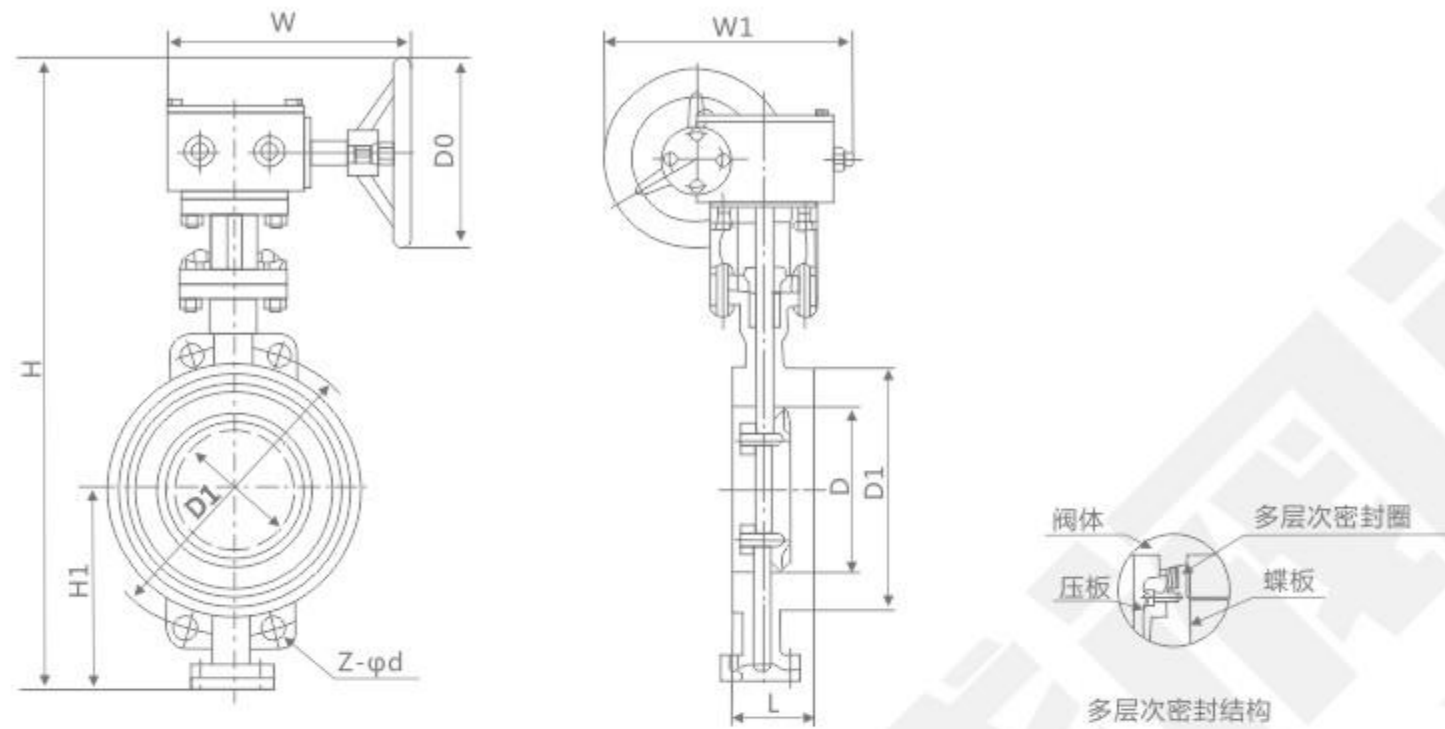
D343^H_F-25C.P.R连接尺寸

通径DN	L	D	D1	D2	Z-φd	b	H	H1	W	W1	D0
50	108	165	125	99	4-18	20	360	112	200	200	160
65	112	185	145	118	8-18	22	380	115	200	200	160
80	114	200	160	132	8-18	24	455	120	220	200	160
100	127	235	190	156	8-22	24	490	140	240	200	160
125	140	270	220	184	8-26	26	490	170	260	200	160
150	140	300	250	211	8-26	28	630	180	280	280	240
200	152	360	310	274	12-26	30	690	210	320	280	240
250	165	425	370	330	12-30	32	830	240	360	280	240
300	178	485	430	389	16-30	34	930	290	460	420	310
350	190	555	490	448	16-33	38	1010	320	500	420	310
400	216	620	550	503	16-36	40	1070	350	540	420	310
450	222	670	600	548	20-36	46	1140	380	580	420	310
500	229	730	660	609	20-36	48	1200	410	620	420	310
600	267	845	770	720	20-39	58	1340	470	660	420	310
700	292	960	875	820	24-42	50	1600	550	750	550	400
800	318	1085	990	928	24-48	54	1780	640	800	550	400
900	330	1185	1090	1028	28-48	58	1920	710	850	550	400
1000	410	1320	1210	1140	28-55	62	1960	770	1000	750	500

D343^H_F-40C.P.R连接尺寸

通径DN	L	D	D1	D2	D6	Z-φd	b	H	H1	W	W1	D0
50	150	165	125	99	88	4-18	20	360	112	200	200	160
65	170	185	145	118	110	8-18	22	380	115	200	200	160
80	180	200	160	132	121	8-18	24	455	120	220	200	160
100	190	235	190	156	150	8-22	24	490	140	240	200	160
125	200	270	220	184	176	8-26	26	490	170	260	200	160
150	210	300	250	211	204	8-26	28	630	180	280	280	240
200	230	375	320	284	260	12-30	34	690	210	320	280	240
250	250	450	385	345	313	12-33	38	830	240	360	280	240
300	270	515	450	409	364	16-33	42	930	290	460	420	310
350	290	580	510	465	422	16-36	46	1010	320	500	420	310
400	310	660	585	535	474	16-39	50	1070	350	540	420	310

D373H蜗轮传动对夹式金属硬密封蝶阀
Worm gear drive flange type cauldron hard seal butterfly valve



应用规范

设计、制造按GB/T12238-1989
结构长度按GB/T12221-2005
连接法兰：GB/T9113-2000
阀门检查和试验按JB/T9092-1999

Application specification

Design, manufacture : GB/T12238-1989
Length of the structure : GB/T12221-2005
Connecting flange : GB/T9113-2000
Valve inspection and test : JB/T9092-1999

D373^H_F-10C.P.R连接尺寸

口径DN	L	D1	D	Z-φd	H	H1	W	W1	D0
50	43	125	102	4-18	360	112	200	200	160
65	46	145	122	4-18	380	115	200	200	160
80	49	160	133	8-18	455	120	220	200	160
100	56	180	158	8-18	490	140	240	200	160
125	64	210	184	8-18	490	170	260	200	160
150	70	240	212	8-22	630	180	280	280	240
200	71	295	268	8-22	690	210	320	280	240
250	76	350	320	12-22	830	240	360	280	240
300	83	400	370	12-22	930	290	460	420	310
350	92	460	430	16-22	1010	320	500	420	310
400	102	515	482	16-26	1070	350	540	420	310
450	114	565	532	20-26	1140	380	580	420	310
500	127	620	585	20-26	1200	410	620	420	310
600	154	725	685	20-30	1340	470	660	420	310
700	165	840	800	24-30	1600	550	750	550	400
800	190	950	905	24-33	1780	640	800	550	400
900	203	1050	1005	28-33	1920	710	850	550	400
1000	216	1160	1110	28-36	1960	770	1000	750	500
1200	254	1380	1330	32-39	2360	875	1050	750	500
1400	279	1590	1530	36-42	2530	970	800	890	-
1600	318	1820	1750	40-48	2640	1100	800	890	-
1800	356	2020	1950	44-48	2800	1200	830	920	-
2000	406	2230	2150	48-48	3100	1290	850	940	-

D373H蜗轮传动对夹式金属硬密封蝶阀
Rubber lined straight Through diaphragm valve

D373^H_F-16C.P.R连接尺寸

口径DN	L	D1	D	Z-φd	H	H1	W	W1	D0
50	43	125	102	4-18	360	112	200	200	160
65	46	145	122	4-18	380	115	200	200	160
80	49	160	133	8-18	455	120	220	200	160
100	56	180	158	8-18	490	140	240	200	160
125	64	210	184	8-18	490	170	260	200	160
150	70	240	212	8-22	630	180	280	280	240
200	71	295	268	12-22	690	210	320	280	240
250	76	355	320	12-26	830	240	360	280	240
300	83	410	370	12-26	930	290	460	420	310
350	92	470	430	16-26	1010	320	500	420	310
400	102	525	482	16-30	1070	350	540	420	310
450	114	585	532	20-30	1140	380	580	420	310
500	127	650	585	20-33	1200	410	620	420	310
600	154	770	685	20-36	1340	470	660	420	310
700	165	840	800	24-36	1600	550	750	550	400
800	190	950	905	24-39	1780	640	800	550	400
900	203	1050	1005	28-39	1920	710	850	550	400
1000	216	1170	1110	28-42	1960	770	1000	750	500
1200	254	1390	1330	32-48	2360	875	1050	750	500
1400	279	1590	1530	36-48	2530	970	800	890	-
1600	318	1820	1750	40-56	2640	1100	800	890	-

D373^H_F-25C.P.R连接尺寸

口径DN	L	D1	D	Z-φd	H	H1	W	W1	D0
50	43	125	102	4-18	360	112	200	200	160
65	46	145	122	8-18	380	115	200	200	160
80	49	160	133	8-18	455	120	220	200	160
100	56	190	158	8-22	490	140	240	200	160
125	64	220	184	8-26	490	170	260	200	160
150	70	250	212	8-26	630	180	280	280	240
200	71	310	268	12-26	690	210	320	280	240
250	76	370	330	12-30	830	240	360	280	240
300	83	430	390	16-30	930	290	460	420	310
350	92	490	450	16-33	1010	320	500	420	310
400	102	550	505	16-36	1070	350	540	420	310
450	114	600	555	20-36	1140	380	580	420	310
500	127	660	610	20-36	1200	410	620	420	310
600	154	770	720	20-39	1340	470	660	420	310
700	165	875	820	24-42	1600	550	750	550	400
800	190	990	930	24-48	1780	640	800	550	400
900	203	1090	1030	28-48	1920	710	850	550	400
1000	216	1210	1140	28-56	1960	770	1000	750	500

D373^H_F-40C.P.R连接尺寸

口径DN	L	D1	D	Z-φd	H	H1	W	W1	D0
50	43	125	102	4-18	360	112	200	200	160
65	46	145	122	8-18	380	115	200	200	160
80	49	160	133	8-18	455	120	220	200	160
100	56	190	158	8-22	490	140	280	200	160
125	64	220	184	8-26	490	170	280	200	160
150	76	250	212	8-26	630	180	280	280	240
200	89	320	268	12-30	690	210	280	280	240
250	114	385	330	12-33	825	240	280	280	240
300	114	450	390	16-33	908	290	450	420	310
350	127	510	450	16-36	960	320	450	420	310
400	140	585	505	16-39	1330	350	540	437	310

◎高性能密封蝶阀HJ系列/ High-performance sealing butterfly valve HJ series

HJF
PN10 16 25 40
150LB 300LB
(50~600mm)
HJM
PN10 16 25
150LB
(50~600mm)



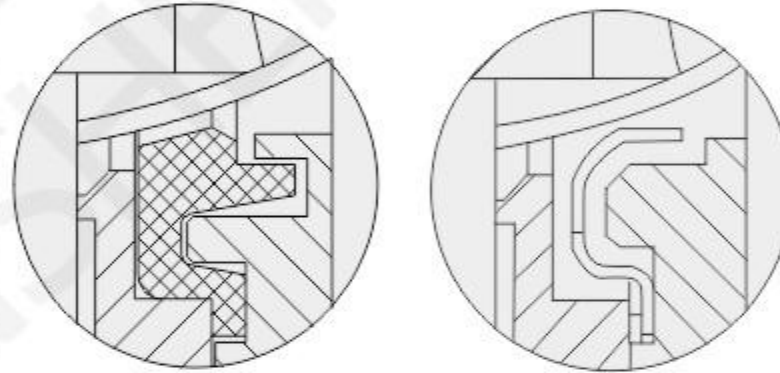
◎自密封结构紧密闭合/The sealing structure tightly closed

采用了利用阀板和阀环上的液体压力，使两者紧密结合的新结构。因为液体压力越高，封闭性能越好，所以，其可靠性极高。

在构造上，两个方向无论哪一方受力，都可利用其液体压力，使阀板和阀环紧密接合。

The use of liquid pressure on the valve plate and valve ring, make new structure in the combination of both. Because the liquid pressure is higher,

The better the performance of closed, so its reliability is extremely high. On the structure, the two direction force, no matter which side is the liquid pressure, can make the valve plate and valve closely joint ring.



◎两种阀座适用性广泛/Two kinds of seat applicability widely

备有聚四氟乙烯阀座。金属阀座这两种类型的阀座。适用于泥浆沉淀物、化学药品，至高压蒸汽等多种液体和控制条件。
Equipped with ptfе seat. The two types of seat metal seat. Applicable to the mud sediment, chemicals, to high pressure steam and other fluids and control conditions.

HJF(高性能四氟密封蝶阀)

聚四氟乙烯密封圈 (PTFE50°C~232°C)
Ptfе sealing ring (PTFE50 °C ~ 232 °C)

可以适用于具有强腐蚀性的化学药品和高达232°C的高温流体。
例：纯水、空调冷水、海水、水。福尔马林溶液。有机溶剂、空气、氧气、废气、城市气体、焦化气。

Can be applied to has a strong corrosive chemicals and as high as 232 °C high temperature fluid. Example: pure water, and air conditioning of different, sea water, and water. Formaldehyde solution. Organic solvent, air, oxygen, exhaust gas, city gas, coking gas.



HJM(高性能金属密封蝶阀)

金属密封圈 (Inconel 450°C)
The metal sealing ring (Inconel 450 °C)

适用于橡胶和聚四氟乙烯所无法控制的高温流体，可以替代闸阀、球阀使用。例：水蒸气、空气、燃气、废气、亚硫酸气体、氮气等

Suitable for rubber and polytetrafluoroethylene is unable to control the high temperature of fluid, can be used instead of gate valve, ball valve. Example: steam, air, gas, waste gas and sulfurous acid gas, nitrogen, etc.



高性能蝶阀HJ系列是为了解决通用阀门难以适应的高低温、高压、真空等工况而开发的高性能蝶阀。具有独特的自密封和双偏心结构，另外通过对三种密封材料的选择，在广泛的使用条件下保证高性能。可以适用于球阀或闸阀无法封闭的腐蚀性泥浆乃至高温蒸汽等广泛的流体。

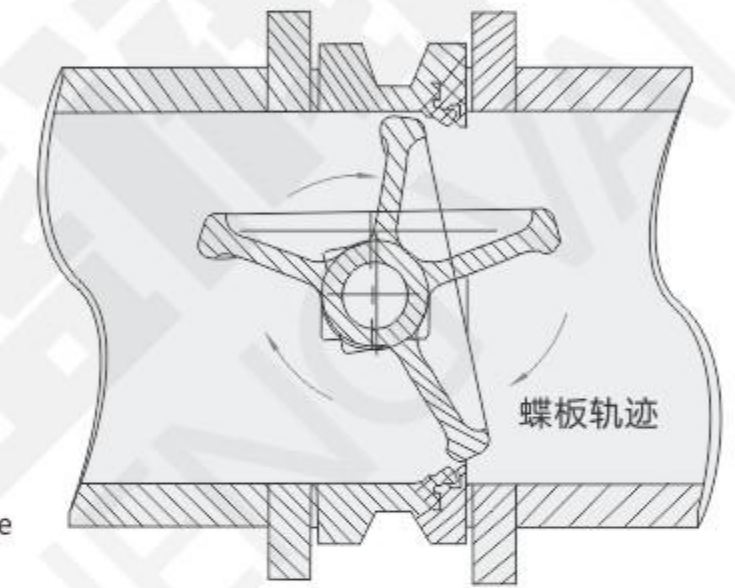
HJ series high performance butterfly valve are designed to solve common valve is difficult to adapt to the high and low temperature, high pressure, vacuum condition and the development of high performance butterfly valve, etc. Has a unique self sealing and double eccentric structure, and through to the three kinds of sealing material choice, under the condition of the widely used to ensure high performance. Can be applied to mud ball valve and gate valve cannot be closed for corrosion and high temperature steam, etc. A wide range of fluid.

◎自密封结构紧密闭合/The sealing structure tightly closed

设计上，阀板相对于阀体和阀座设置了两个偏心，因此在完全关闭前，阀板与阀座将维持在无接触状态。这种双偏心结构，可提供下列好处：

Design, valve plate installed two eccentric relative to the valve body and seat the before fully closed, the valve plate and valve seat will remain in contact condition. This kind of double eccentric structure, can provide the following benefits:

- A. 阀体双偏心构造
由于本体一侧的阀座和阀板之间的摩擦极少，因此可延长阀座的使用寿命，而且可用最小扭矩进行轻松的操作。
 - B. 阀座的更换极为简单
可在现场取下座环，简单地进行阀座更换。
- A. the body double eccentric structure
Because the body side of the seat and disc friction between the few, so can prolong the service life of the seat, and available minimum torque for easy operation.
- B. the change of seat ring is very easy
You can remove the insert ring at the scene, simply for the seat replacement.

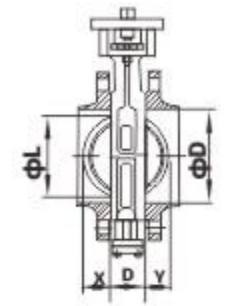


◎HJF、HJM标准材料参数/HJF、HJM Standard material parameters

序号 Parts N.	类型/Description	HJF(高性能四氟密封蝶阀) High performance ptfе sealing butterfly valve	HJM(高性能金属密封蝶阀) High-performance metal sealing butterfly valve
1**	阀体/Body	WCB, SS304, SS316	WCB, SS304, SS316
2**	阀板/Disc	SS304, SS316	SS304, SS316
3**	阀杆/Stem	17-4PH	17-4PH
4*	阀座/Seat	POM, EPDM, PTFE, RPTFE	SS316, 0Cr12Mn5Ni4Mo3Al, Inconel 825
5	轴套/Bearing	SS304, PTFE	SS304
6*	填料/Gland packing	PTFE	石墨graphite
7**	压环/Insert ring	Q235, SS304, SS316	Q235, SS304, SS316

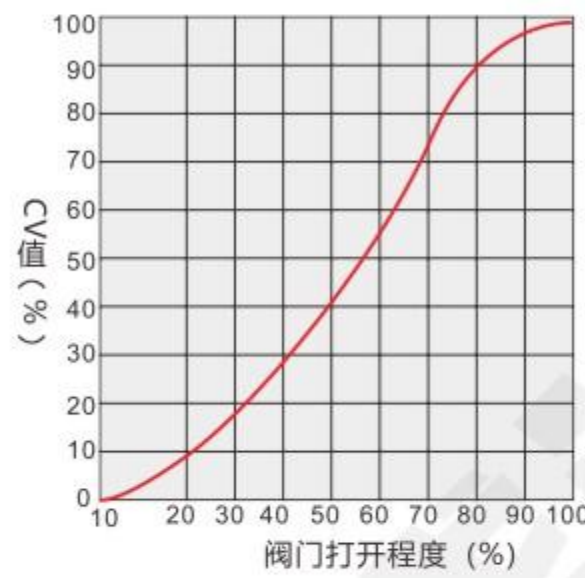
* = 易损件 / Wearing parts ** = 可以根据要求跟换各种材质 / Other materials available

○HJ的管道内径表
/HJ Pipe diameter



口径/Size (mm)	最小管道内径	口径/Size (mm)	最小管道内径
50	φ46	250	φ238
65	φ59	300	φ281
80	φ76	350	φ312
100	φ93	400	φ351
125	φ118	500	φ409
150	φ139	600	φ542
200	φ190		

○HJ的CV值、流量特性曲线/HJ CV value, the flow characteristic curve

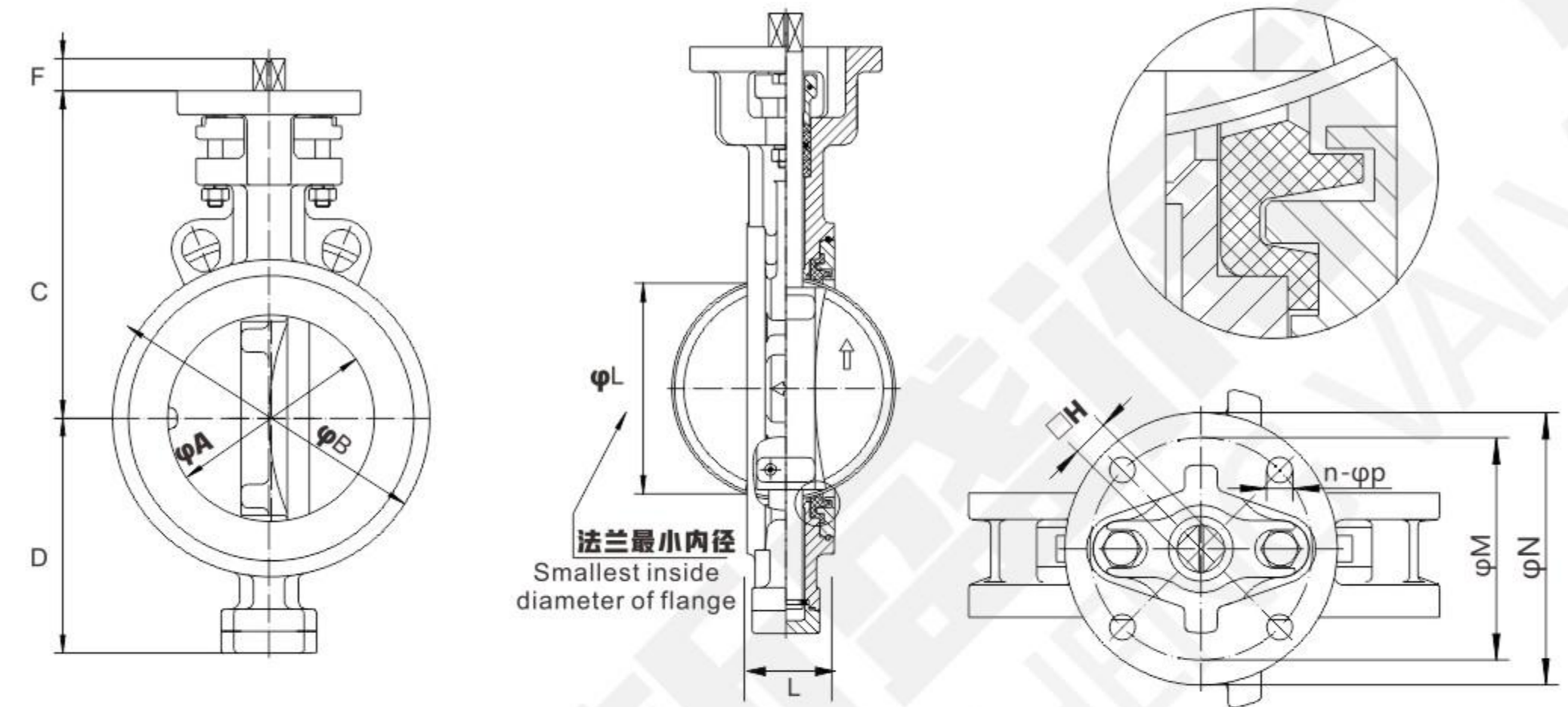


○HJ的全开CV值表/HJ Full open CV value

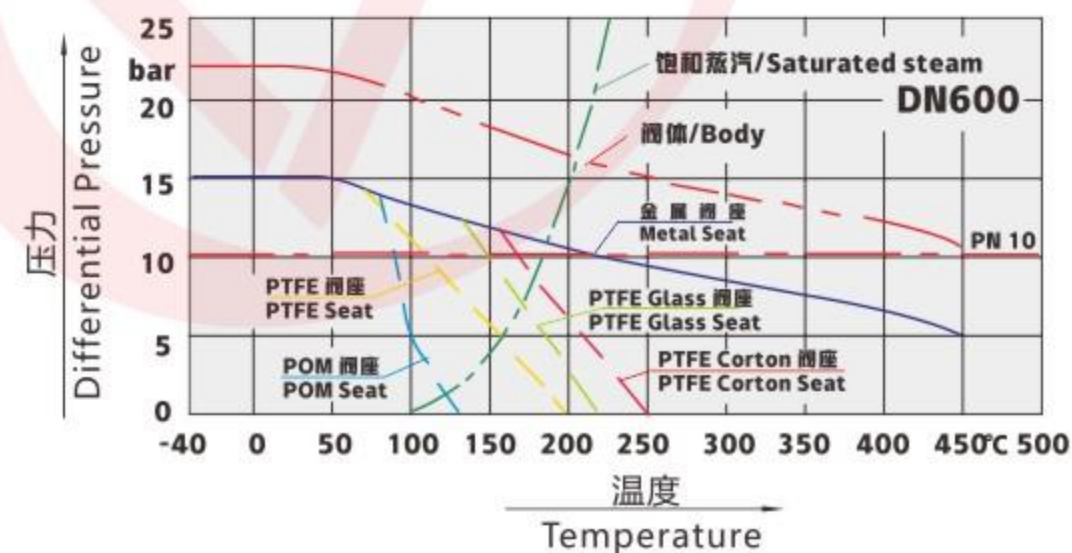
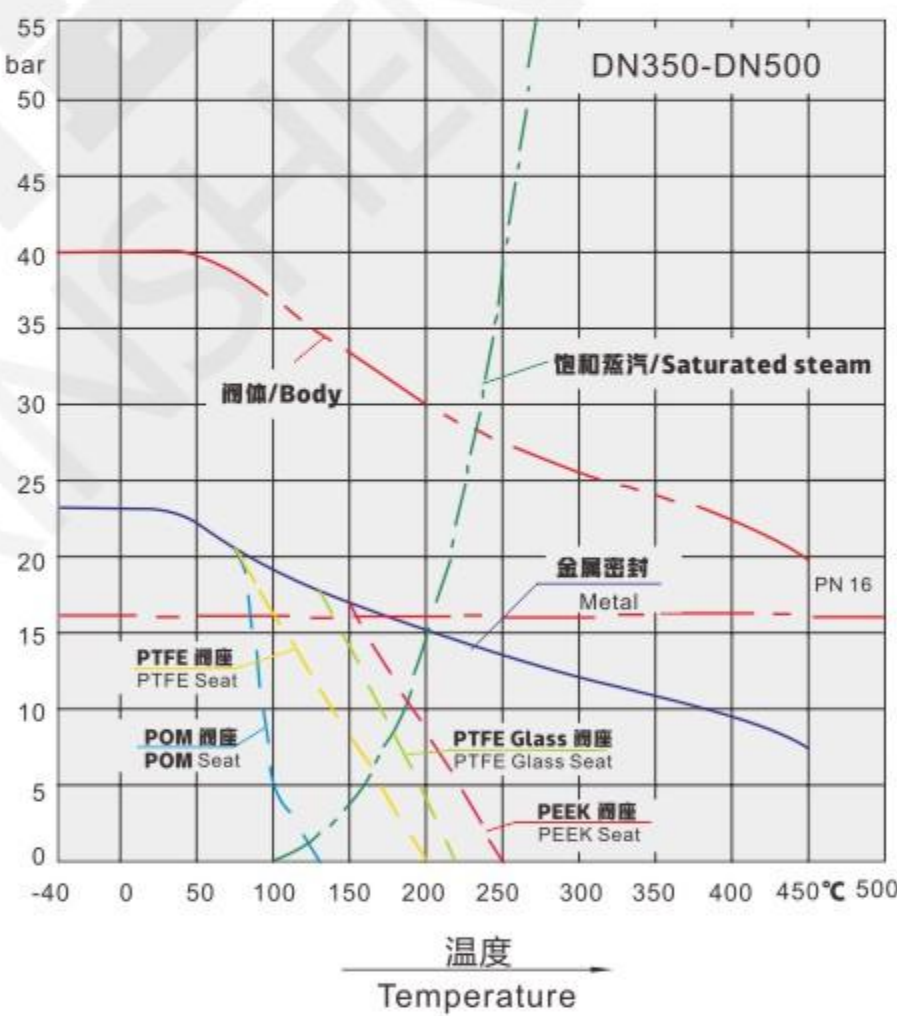
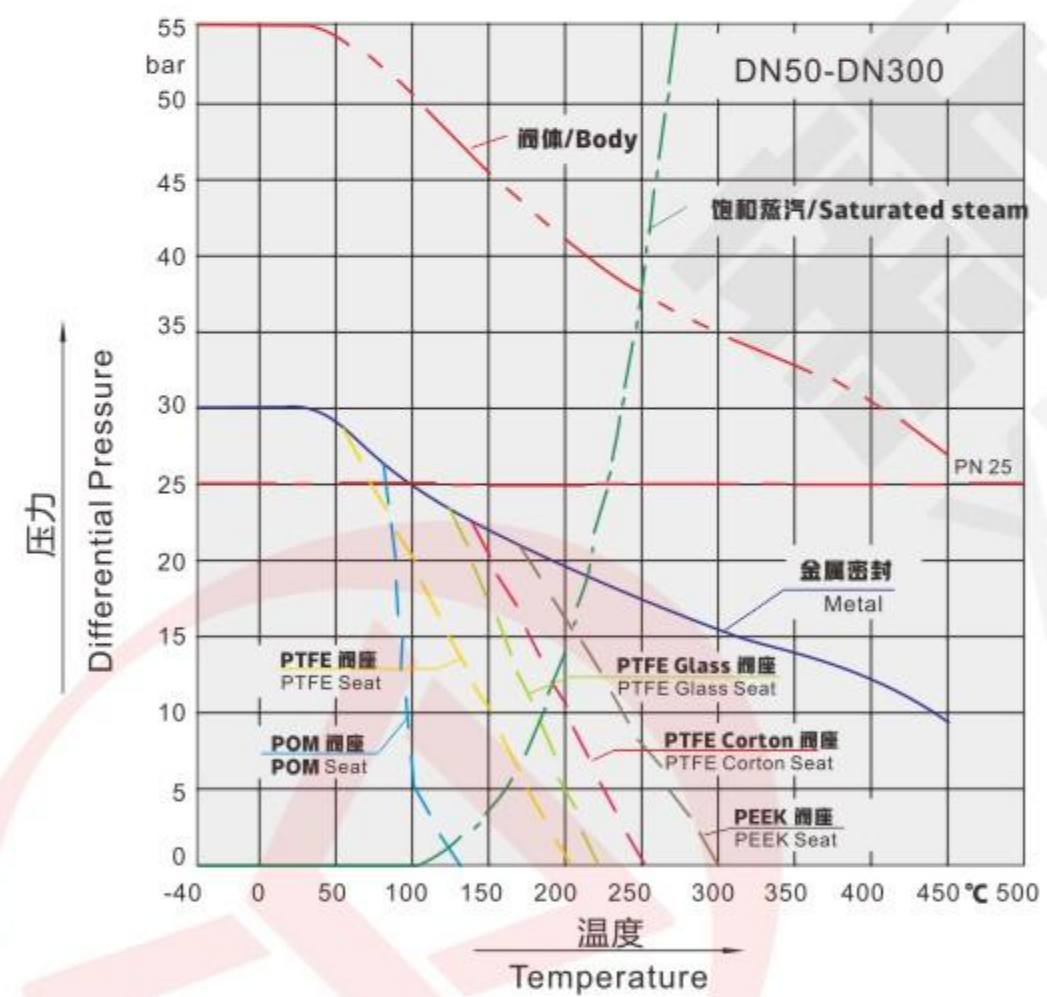
口径/Size (mm)	10/20 W.O.G	口径/Size (mm)	10/20 W.O.G
50	79	250	2610
65	130	300	4050
80	166	350	5000
100	395	400	6900
125	655	500	12000
150	858	600	18000
200	1810		

○HJ 尺寸/HJ Size(A型)

Flange connection :GB9113 PN10-40 ANSI 16.5 150-300LB JIS 10-16K
Face to face dimension:GB12221,API609



○HJ系列温度压力表/Pressure-temp. range diagram of series HJ



金属阀座/Metal seat:
温度/Temperature: > 280 °C
阀座泄漏标准/Seat Leakage: DIN 3230-BO > 2
EN 12266-P12 > B

如果阀门不按照建议流向安装, POM与PEEK阀座的最大压力为5bar。
The maximum differential pressure for PEEK or POM seats is 5 bar if the valve is used against the recommended flow direction.

DN	inch	φA	φB	C	D	L	F	φL	H	φM	φN	n-φp	安装平台 ISO5211
50	2'	47	102	140	98	43	16	46	11	70	90	4x9	F07
65	2 1/2'	64	122	152	106	46	16	59	11	70	90	4x9	F07
80	3'	76	133	165	113	46	16	76	11	70	90	4x9	F07
100	4'	98	156	185	130	52	20	93	14	70	92	4x9	F07
125	5'	119	188	205	147	56	20	118	14	70	95	4x9	F07
150	6'	140	216	223	161	56	22	139	17	102	125	4x11	F10
200	8'	190	268	268	203	60	25	190	19	102	125	4x11	F10
250	10'	237	323	310	235	68	28	238	22	125	150	4x14	F12
300	12'	280	336	356	268	78	32	281	27	125	150	4x14	F12
350	14'	318	415	365	312	92	38	312	27	140	145	4x18	F14
400	16'	362	470	405	351	102	60	351		165	185	4x22	F16
500	20'	467	580	465	409	127	70	409		165	185	4x22	F16
600	24'	550	679	520	434	154	80	542		165	210	4x22	F16