



2014 EDITION

# 对夹式蝶型止回阀 Wafer Butterfly Check Valve

## 更紧凑的结构设计

体积小、重量轻、结构紧凑、便于维修。

## 更灵活的阀板

阀板采用对偶板上加两个扭力弹簧的设计，可使阀板自行速闭。因速闭作用，可防止介质倒流。

## 更强的刚性

阀体结构长度尺寸小、刚性好。

## 更方便的安装方式

安装方便，可在水平、垂直两个方向的管路上安装。

## 更可靠的密封

达到完全密封，水压试验泄漏量为零。使用性能安全可靠，抗干扰性好。

## More compact structure design

Small in size, light in weight, compact in structure, easy in maintenance.

## The valve disc is more flexible

Two torsion springs are used exerting on each of the pair valve plates, which close the plates quickly and automatically. The quick-close action prevents the medium from flowing back and eliminates waterhammer effect.

## More rigidity

Short body structure length and good rigidity.

## Installation more convenient

Easy installation, it can be installed on horizontal and vertical both directions pipes.

## A more reliable seal

This valve is tightly sealed, without leakage under the pressure water test. Safe and reliable in operation, high interference-resistance.



■适用压力 Applicable Pressure: PN1.0~6.4MPa

■适用规格 Applicable Size: DN40~800

■适用温度 Applicable temperature: 软密封 Resilient seated -15°C~150°C  
硬密封 Metal seated -20°C~425°C

■主体材质 Body material: 铸铁、球墨铸铁、碳钢、不锈钢、铝青铜  
Cast iron, Ductile iron, Carbon steel, Stainless steel, Al-bronze

天津塘沽瓦特斯阀门有限公司  
TIANJIN TANGGU TWT VALVE CO., LTD.

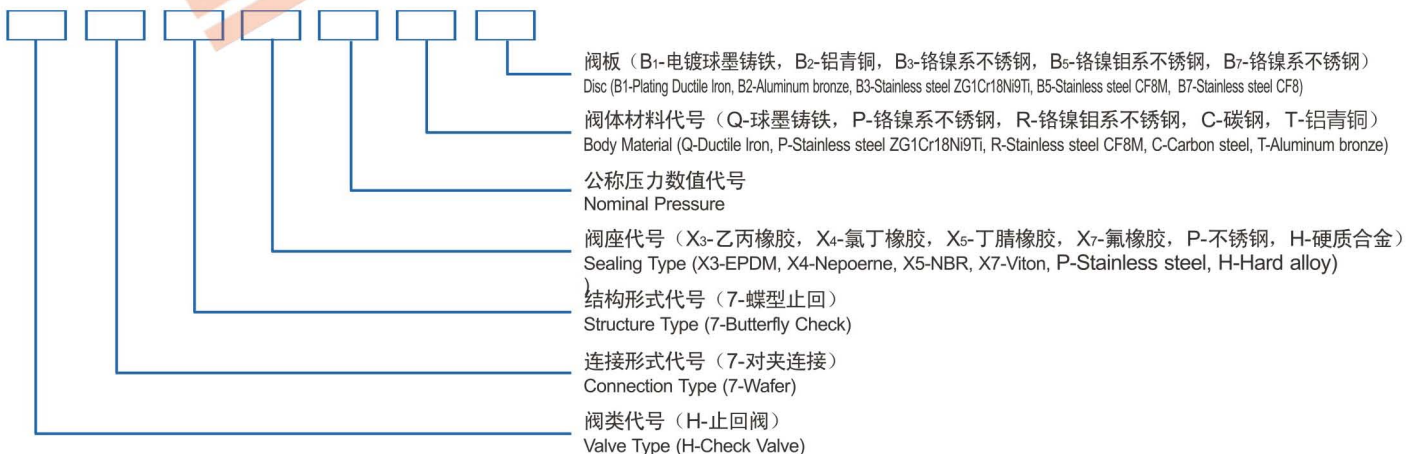
[www.twtvalve.com](http://www.twtvalve.com)



**对夹式蝶型止回阀 · 外型尺寸 PN10 · PN16 · PN25 · PN40 · PN64**
**Wafer Butterfly Check Valve Overall Dimension PN10 · PN16 · PN25 · PN40 · PN64**

规格 Size		D	D1	D1	L	R	t	重量(kg) Weight
DN (mm)	NPS (inch)							
40	1.5"	107	65	43.3	43	28.8	19	1.5
50	2"	107	65	43.3	43	28.8	19	1.5
65	2.5"	127	80	60.2	46	36.1	20	2.4
80	3"	142	94	66.4	64	43.4	28	3.6
100	4"	162	117	90.8	64	52.8	27	5.7
125	5"	192	145	116.9	70	65.7	30	7.3
150	6"	218	170	144.6	76	78.6	31	9.0
200	8"	273	224	198.2	89	104.4	33	17
250	10"	328	265	233.7	114	127	50	26
300	12"	378	310	283.9	114	148.3	43	42
350	14"	438	360	332.9	127	172.4	45	55
400	16"	489	410	381.0	140	197.4	52	75
450	18"	539/555	450	419.9	152	217.8	58	101/107
500	20"	594	505	467.8	152	241	58	111
600	24"	690	624	572.6	178	295.4	73	172
700	28"	800	720	680	229	254	98	219
800	32"	930	825	762	241	394	100	314

注：欲订购标中未列出的产品可与本公司销售部门联系。  
 表中有两个数据，分别表示PN1.0MPa/PN1.6MPa两个不同压力级的尺寸。  
 Note: For sizes and classes not shown, please contact our Sales Department.  
 Two dimensions in one column show different pressure grades of PN1.0MPa and PN1.6MPa.

**产品型号编制**
**Constitution of Product Model**


示例: 300H77X<sub>3</sub>-10Q<sub>B1</sub>  
 For Example: 300H77X<sub>3</sub>-10Q<sub>B1</sub>

以上编码表示: DN300, 止回阀, 对夹连接, 蝶型止回阀, 乙丙橡胶阀座, PN1.0MPa, 球铁阀体, 电镀球铁阀板。  
 Above codes indicate: DN300, check valve, wafer butterfly, EPDM seat, PN1.0MPa, DI body, plating DI disc.

## 压力损失

### Loss In Pressure

数据 Date	规格 Size mm(inch)															
	40 (1.5")	50 (2")	65 (2.5")	80 (3")	100 (4")	125 (5")	150 (6")	200 (8")	250 (10")	300 (12")	350 (14")	400 (16")	450 (18")	500 (20")	600 (24")	700 (28")
流量(m <sup>3</sup> /h) Flow	23	23	35	54	92	140	208	350	575	805	1010	1260	1840	2030	3450	4650
压头损失(m) Loss in head	3.2	3.2	2.7	2.1	1.7	1.4	1.1	0.9	0.7	0.6	0.5	0.43	0.4	0.37	0.3	0.28
压力损失(Pa) Loss in pressure	32000	32000	27000	21000	17000	14000	11000	9000	7000	6000	5000	4300	4000	3700	3000	2800

介质为常温水，流速为3m/s时的压力损失值。

Loss in head when medium is water at normal temperature and flow speed is 3m/s.

## 压头损失曲线图

### Curve of Loss In Head

