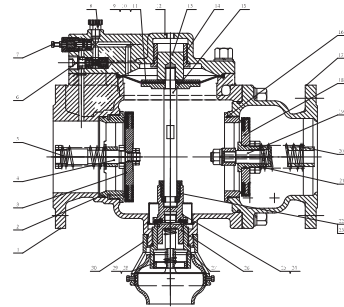


Slight Resistance Non-return Backflow Preventer (Flanged Type)

Products Overview:

Slight resistance Non-return Backflow Preventer (Flanged Type) TWS-DFQ4TX-10/16Q-D - is a kind of water control combination device developed by our company, mainly used for water supply from urban unit to the general sewage unit strictly limit the pipeline pressure so that the water flow can only be one-way. Its function is to prevent the backflow of the pipeline medium or any condition siphon flow back, in order to avoid backflow pollution.



	Name	Material		Name	Material
1	Body-1	QT450	16	Seat-2	CF8
2	Seat-1	CF8	17	Body-2	QT450
3	Disc-1	304+NBR	18	Disc-2	304+NBR
4	Stem-1	304	19	Stem-2	304
5	Spring-1	304	20	Spring-2	304
6	Hydrating directional control valve	304 Component	21	Disc-2 blocking sleeve	304
7	Safety relief valve	304 Component	22	Splint collar	304
8	Air release valve 1/4	H62 Component	23	Stem coupling nut	304
9	Membrane	NBR	24	Drain valve disc	304
10	Diaphragm support plate	304	25	Gasket	NBR
11	Washer	304	26	Draining tank	H62
12	Bonnet	QT450	27	Lower seat	CF8
13	Balance bar	304	28	Adjusting lock nut	CF8
14	Balance bar guide sleeve	H62	29	Adjusting spring	304
15	Stem	304	30	Drip cover	QT450

Structure Features:

- It is of compact and short structure; slight resistance; water-saving (no abnormal drain phenomenon at the normal water supply pressure fluctuation); safe (in abnormal loss of pressure in the upstream pressure water supply system, the drain valve can be open timely, emptying, and the middle cavity of backflow preventer always takes precedence over the upstream in air partition); on-line detection and maintenance etc. Under normal work in economic flow rate, water damage of product design is 1.8 ~ 2.5 m.
- Two levels check valve's wide valve cavity flow design is of small flow resistance, rapidly on-off seals of check valve, which can effectively prevent damages to the valve and pipe by sudden high back pressure, with mute function, effectively extending the service life of the valve.
- Accurate design of drain valve, drain pressure can adjust the pressure fluctuation value of cut off water supply system, to avoid the interference of the system pressure fluctuations. On-off safely and reliably, no abnormal water leakage.
- Large diaphragm control cavity design makes the reliability of the key parts is better than that of other backflow preventer, safely and reliably on-off for drain valve.
- The combined structure of large diameter drain opening and diversion channel, complementary intake and drainage in the valve cavity have no drainage problems, completely limit the possibility of back down stream and siphon flow reversals occur.
- Humanized design can be online test and maintenance.

Reduced-Pressure Saving Water Backflow Preventer

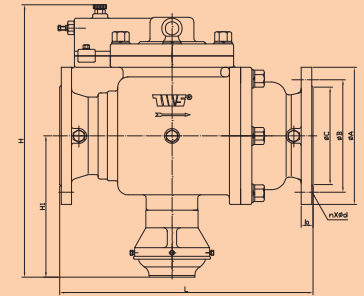


Table of Main Dimensions (mm):

DN	50	65	80	100	125	150	200
Inch	2	2 1/2	3	4	5	6	8
ØA	165	185	200	220	250	285	340
ØB	125	145	160	180	210	240	295
ØC	99	118	132	156	184	211	266
H	364	365	412	436	435	498	585
H1	196	206	215	226	239	252	287
L	320	360	369	406	430	480	572
b	19	19	19	19	19	19	20
nxØd	4XØ19	4xØ19	8xØ19	8xØ19	8xØ19	8xØ23	8xØ23/12xØ23

Design standard: AWWA C511/ASSE 1013/GB/T25178 Test standard: AWWA C511/ASSE 1013/GB/T25178

Product Description:

Reduced-pressure Saving water Backflow preventer (TWS-DFQ4TX-10/16Q-J) is new product designed by ourselves ,which controls the water flow in one way strictly when waterworks supply water to pollutional company/department,it prevent media backflow or siphon backflow in pipeline and device from polluting of backflow.

Application:

It can be used in harmful pollution and light pollution,for toxic pollution,it is also used if it can't prevent backflow by air isolation; It can be used in source of branch pipe in harmful pollution and continuous pressure flow,and not used in preventing backflow of toxic pollution.

Maintenance:

Its maintenance cycle is long and about 3 months, as performance is reliable and automated control,Generally,it doesn't need frequent maintenance except vandalism and frost damage. If leakage is periodic or continual in normal condition, it needs maintenance. No special tools required, only skilled workers, taking care to avoid exchanging the inlet check valve, outlet check valve and components of drain valve (especially for spring) . After the device comes into service,inspect and maintenance regularly for ensuring the normal operation,Maintenance is performed by property management department,and supervised by water supply department.

Main Maintenance Parts:

- Continuous drain of outlet not allowed,if necessary,install leakage alarm device of outlet;
- Drain outlet shouldn't be flooded;
- Drainer normal work when backflow;
- Clean the screen of strainer once a year at least;
- Inspect and water test once a year for preventer used in pipe of seldom flow;
- Inspect of leakage alarm device once half year at least;
- Inspect the preventer once a month at least that installed under well,inspect immediately after rainfall;
- After water network maintenance in near city, inspect the preventer immediately that connected with pipe of maintenance.

WATER-SEAL VALVE

