

## Silent Check Valve (W-H41X-16Q)

### Application and Features:

Function: Rely on flow of the medium itself to automatically open and close the disc, so as to prevent media backflow;

Applications: Construction industry, water treatment, etc.;

Product Features:

1. Simple structure and low manufacturing cost;
2. Rely on flow of the medium itself to open and close the disc;
3. No noise;



### Working Principles:

When media flow in specified direction, the disc opens by the action of media; when media backflow, the disc closes because sealing faces of the disc and seat tightly fit by gravity of itself and by the action of backward force of media on the disc to prevent media backflow.

### Technical Parameters:

Nominal Diameter: DN350~DN500

Nominal Pressure: PN16

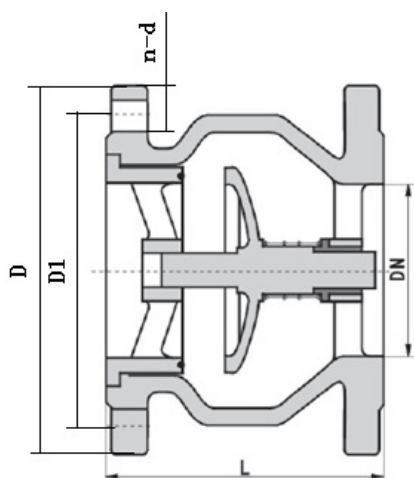
Working Temperature: 0~80°C

Working Medium: water and fluid with weak corrosiveness

### Main part material:

Part name	Body	Seal	Spring
Material	Ductile Iron	NBR	Stainless steel

### Installation Dimensions:



Nominal Diameter (DN)	DN350	DN400	DN450	DN500	DN600
L	380	405	430	450	510

 **Installation & Operating Instructions:**

- (1) Compare rated parameters required by the equipment with those indicated on the product to ensure that rated flow of the product meets the application requirements;
- (2) Installation personnel must be trained and experienced to ensure that the installation work is completed smoothly;
- (3) A thorough inspection must be conducted after installation to ensure that the installation is correct;
- (4) In order to ensure that no accidents will happen during installation, piping system must be thoroughly cleaned before installation of the product (and if necessary, chemical reagent must be used) to ensure that the piping system is clean, rust free and free from dirt, and all filter devices must be removed before flushing to ensure that the pipe is unobstructed;
- (5) We recommend that you install a temporary pipe in the place where pipe is installed for the equipment when you are performing initial cleaning on the system and install the equipment onto the pipe as soon as the flushing has been completed;
- (6) Use flanges and fasteners conforming to relevant standards for connection;