

INSTALLATION, OPERATION & MAINTENANCE

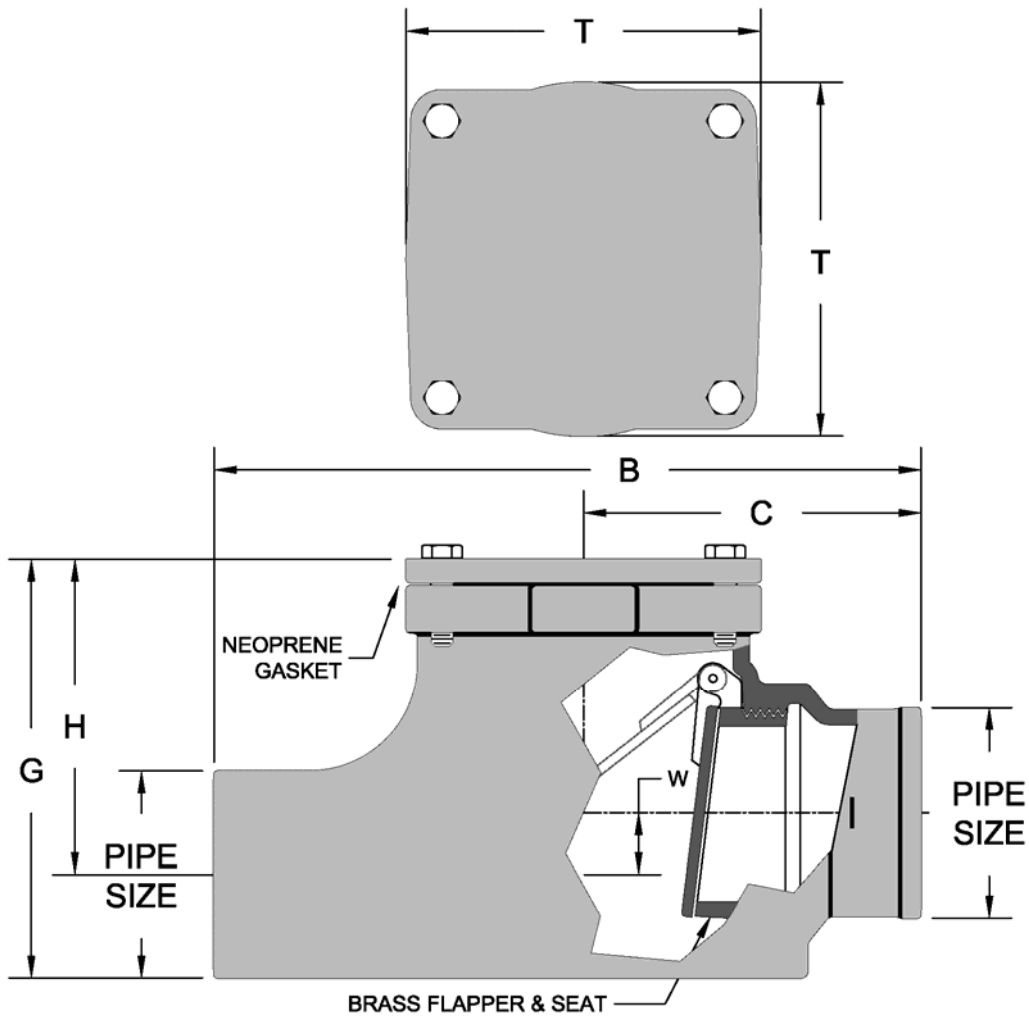
4200

Flapper Style Backwater Valve



4200-4NH

4200 Flapper Style Backwater Valve



Pipe Size	B	C	G	H	T	W
3	8	4	5 1/2	3 1/8	5 5/8	5/8
4	9	4 1/2	6 3/8	5 7/8	6 1/2	5/8
6	14 1/2	6 1/2	8 3/4	5	9	5/8

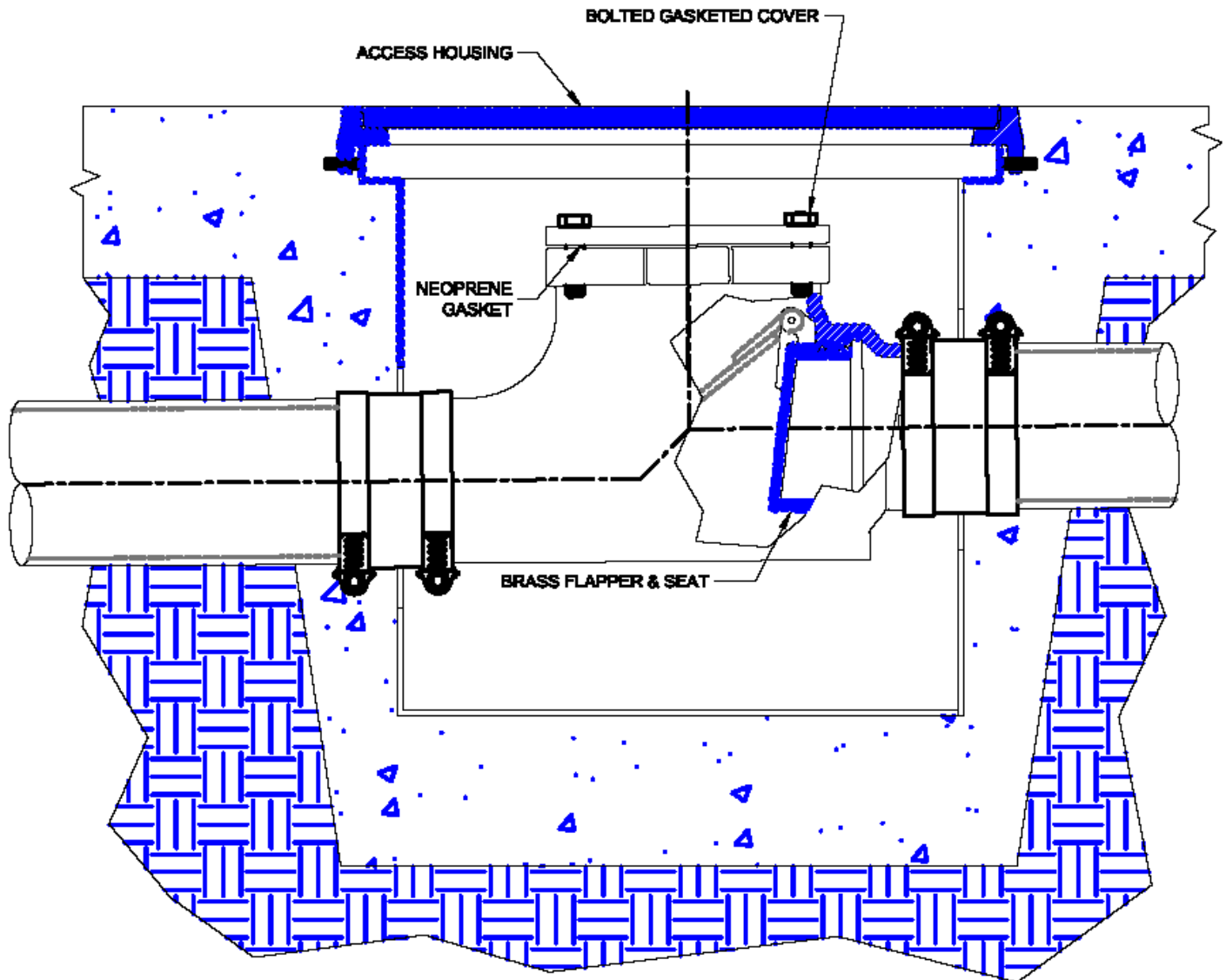
Pipe Size	•
3"	
4"	
6"	

Regularly Furnished: Cast iron backwater valve with bolted, gasketed cover. Does not provide a positive seal.

Outlet Variations		
Type	Designation	•
No-Hub	3NH,4NH,6NH	

Suffix Options		
Suffix	Description	•
-TC	Threaded Plug Cover *	
-39	Galvanized Cast Iron	

*Dimensions vary from illustration



INSTALLATION

The Wade 4200 is used for conventional gravity flow systems.

1. At the predetermined location, excavate a trench opening into the ground to receive the piping at the specified pitch. The backwater valve is typically installed below grade in-line with the storm water piping.
2. Install the backwater valve with the gasketed bolted cover face up.
3. Excavate the trench sides to allow for installation of the backwater valve.
4. Orient the backwater valve in the proper flow direction and install with No-Hub couplings.
5. Continue with the gravity flow piping
6. An access housing is recommended for routine maintenance. The access cover should be suitable for the anticipated traffic loading.
7. Backfill and landscaping can proceed.

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Designed for applications where excessive rainfall, stoppages, tide water and inadequate drainage conditions cause backflow and flooding. Backwater valves are designed to restrict backflow surges and provide a degree of protection from health hazards associated with backflow and flooding. Wade backwater valves should be inspected periodically for proper operation and will only restrict backflow when free of debris and in good working condition. Fouling by sludge or debris may obstruct the proper operation of the backwater valve. The Wade 4200 backwater valve is designed for gravity flow applications and complies with ANSI specification A112.14.1.

The drain piping is first run to an elevation below the grade level. The backwater valve must be in the proper orientation so that it is in the proper flow condition. The backwater valve is secured to the pipe with No-Hub couplings. No-Hub connections should be installed with Tyler or Anaco/Husky couplings and secured with a torque wrench to the manufacturer's recommendations. Once the body is connected to the pipe, the horizontal piping runs are sloped for gravity feed to the storm sewer locations. Unobstructed access is recommended for routine maintenance. Provide a suitable grade level access housing with a cover designed for the anticipated traffic loading.