

Backwater Valves

Submittal Data Sheet



Job or Customer:
Engineer:
Contractor:
Submitted by: Date
Approved by: Date
Order No: Date
Specification:

< STANDARDS >



IPEX Backwater Valves offer simple and effective protection against backflow of sewage and storm water into homes and businesses. The valve body design has minimal slope, making it ideal for new installations and retrofits. The patent pending flapper is designed to smoothly guide cleaning and surveying equipment while minimizing risk of damage. The valve body and cleanout is specially designed to allow extensions sleeves and handles to be attached for buried installations. Backwater Valves are part of our complete system of pipe, valves, and fittings for drainage and waste applications.

VALVE AVAILABILITY

BODY MATERIAL	PVC, ABS
SIZE RANGE	1-1/2" through 6"
END CONNECTIONS	Socket (Schedule 40 DWV or SDR35 Sewer Hub)

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Backwater Valve

Size	PVC		ABS	
	DWV hubs	Sewer hubs	DWV hubs	Sewer hubs
1-1/2	757569	-	754080	-
2	757583	-	754104	-
3	757605	757688	754130	-
4	757629	757680	754163	-
6	757663	-	754221	-

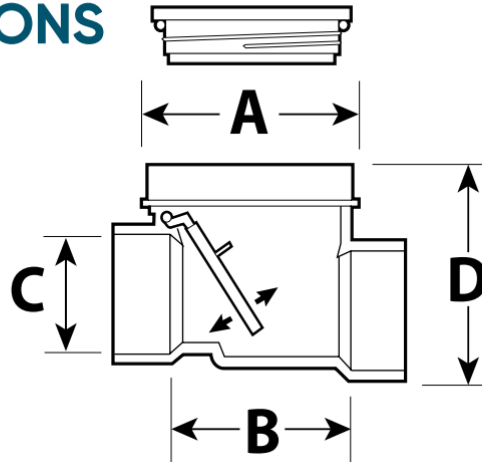
Backwater Valve with 16" access sleeve and lid

Size	PVC		ABS	
	DWV hubs	Sewer hubs	DWV hubs	Sewer hubs
2	757541	-	754047	-
3	757671	757684	754242	-
4	756640	757679	754197	-

Backwater Valves

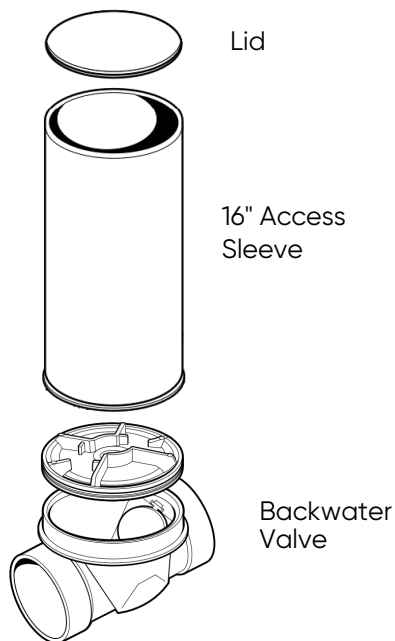
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DIMENSIONS



A	B	C	D
1-1/2" Size Models			
3-43/64"	2-1/2"	1-1/2" Nom.	3-5/8"
2" Size Models			
3-5/8"	3"	2" Nom.	3-5/8"
3" Size Models			
5"	4-1/4"	3" Nom.	5-5/8"
4" Size Models			
7"	6-1/4"	4" Nom.	6-1/2"
6" Size Models			
10-1/8"	8-1/4"	6" Nom.	9-1/16"

Backwater Valve with 16" Access Sleeve and Lid



Recommended for buried applications. Full kit available for 2", 3", and 4" backwater valves.

To install:

1. Cut 16" access sleeve to appropriate length
2. Solvent weld access sleeve to top of backwater valve
3. Install lid on top of access sleeve



*3" and 4" backwater valve lids feature integral socket which accepts 1-1/2" or 2" DWV pipe to function as an extension handle for ease of access to the valve lid inside the access sleeve.

Backwater Valves


Handling & Installation

Extension for Buried Applications

SDR28 or SDR35 pipe can also be cut to length and used as an extension sleeve accompanied with one of the following products (depending on size of valve).

Backwater Valve Size	Sewer Pipe Diameter for Access Sleeve
1½"	4"
2"	4"
3"	6"
4"	8"
6"	10"

1-1/2" and 2" Sleeve Kit

	Size	PVC	ABS
 Lid	1-1/2 or 2	757711	754317

To install:

- Remove standard lid on BWV
- Install gasket and adapter bushing
- Install countersunk plug to adapter bushing
- Solvent cement access sleeve or sewer pipe to adapter bushing
- Install lid on top of pipe

Components:

- Countersunk Plug
- Adapter Bushing
- Gasket

3" and 4" Sleeve Kit

	Size	PVC	ABS
 Lid	3	757721	754327
	4	757735	754338

To install:

- Solvent weld adapter bushing to top of valve
- Solvent weld SDR pipe to adapter bushing
- Install lid on top of pipe

Component:

- Adapter Bushing

6" Lid

Size	PVC
6	757656

To install:

- Solvent cement access sleeve or sewer pipe directly to top of the valve
- Install lid on top of pipe.



*3" and 4" backwater valve lids feature integral socket which accepts 1-1/2" or 2" DWV pipe to function as an extension handle for ease of access to the valve lid inside the access sleeve.

PVC and ABS Backwater Valves

Scope

This specification covers the manufacturers' requirements for PVC and ABS Backwater Valves. IPEX Backwater Valves meet or exceed all applicable ASTM, NSF and CSA standards.

Materials

PVC (polyvinyl chloride) used in the manufacturing of PVC Backwater Valves comply with the material requirements of ASTM D1784 (formerly Type 1, Grade 1) and has a cell classification of 12454. Raw material used in the manufacturing process shall contain the standard specified amounts of color pigment, stabilizers and other additives.

ABS compounds used in the manufacturing of ABS Backwater Valves comply with material requirements of ASTM D3965 "Standard Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Materials for Pipe and Fittings".

Sample Specification

PVC

All PVC Backwater Valves must be third party certified to NSF 14 and shall be manufactured using PVC material with a minimum cell classification of 12454 when tested in accordance with ASTM D1784. In applicable configurations by the International Association of Plumbing and Mechanical Officials (IAPMO), backwater valves shall meet the requirements of the Uniform Plumbing Code (UPC). In applicable configurations by the Canadian Standards Association (CSA), backwater valves shall meet the requirements of CSA B182.2.

ABS

All ABS Backwater Valves shall be manufactured using ABS material with a minimum cell classification of 42222 when tested in accordance with ASTM D3965. In applicable configurations by the International Association of Plumbing and Mechanical Officials (IAPMO), backwater valves shall meet the requirements of the Uniform Plumbing Code (UPC). In applicable configurations by the Canadian Standards Association (CSA), backwater valves shall meet the requirements of CSA B182.2.

About the IPEX Group of Companies

As leading suppliers of thermoplastic piping systems, the IPEX Group of Companies provides our customers with some of the world's largest and most comprehensive product lines. All IPEX products are backed by more than 50 years of experience. With state-of-the-art manufacturing facilities and distribution centers across North America, we have established a reputation for product innovation, quality, end-user focus and performance.

Markets served by IPEX group products are:

- Electrical systems
- Telecommunications and utility piping systems
- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- Electrofusion systems for gas and water
- Industrial, plumbing and electrical cements
- Irrigation systems
- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

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