

# 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) |

# Backwater Valves

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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   | -          |

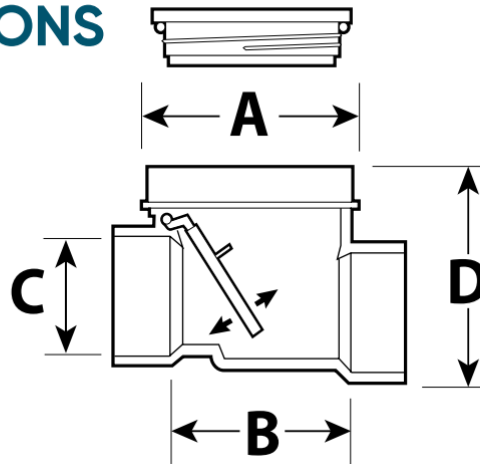
### Backwater Valve with 16" access sleeve and lid

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

# Backwater Valves

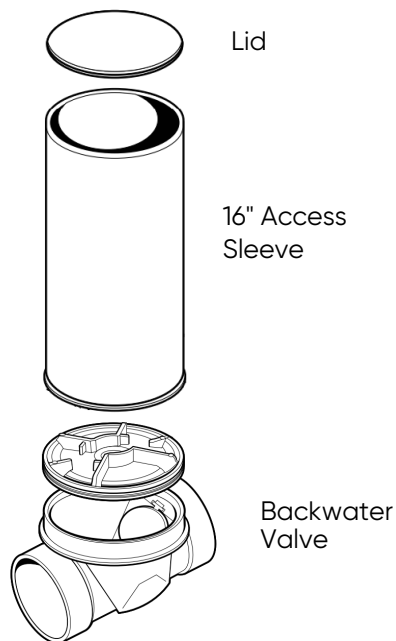
## Submittal Data Sheet

### DIMENSIONS



| A                         | B      | C           | D       |
|---------------------------|--------|-------------|---------|
| <b>1-1/2" Size Models</b> |        |             |         |
| 3-43/64"                  | 2-1/2" | 1-1/2" Nom. | 3-5/8"  |
| <b>2" Size Models</b>     |        |             |         |
| 3-5/8"                    | 3"     | 2" Nom.     | 3-5/8"  |
| <b>3" Size Models</b>     |        |             |         |
| 5"                        | 4-1/4" | 3" Nom.     | 5-5/8"  |
| <b>4" Size Models</b>     |        |             |         |
| 7"                        | 6-1/4" | 4" Nom.     | 6-1/2"  |
| <b>6" Size Models</b>     |        |             |         |
| 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

|                                                                                    |                  |                                                                                                                                                                                                                                         |        |        |
|------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|
|   | Lid              | Size                                                                                                                                                                                                                                    | PVC    | ABS    |
|   | Countersunk Plug | 1-1/2 or 2                                                                                                                                                                                                                              | 757711 | 754317 |
|  | Adapter Bushing  | To install:<br>- Remove standard lid on BWV<br>- Install gasket and adapter bushing<br>- Install countersunk plug to adapter bushing<br>- Solvent cement access sleeve or sewer pipe to adapter bushing<br>- Install lid on top of pipe |        |        |
|  | Gasket           |                                                                                                                                                                                                                                         |        |        |

#### 3" and 4" Sleeve Kit

|                                                                                                                                             |                 |      |        |        |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|--------|--------|
|                                                          | Lid             | Size | PVC    | ABS    |
|                                                          | Adapter Bushing | 3    | 757721 | 754327 |
|                                                                                                                                             |                 | 4    | 757735 | 754338 |
| To install:<br>- Solvent weld adapter bushing to top of valve<br>- Solvent weld SDR pipe to adapter bushing<br>- Install lid on top of pipe |                 |      |        |        |

#### 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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A policy of ongoing product improvement is maintained. This may result in modifications of features and/or specifications without notice.