



# Zurn Wilkins Fire Protection Series

Backflow Preventers, Pressure Regulating Valves,  
and Water Control Products for Fire Sprinkler Applications



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# Zurn Wilkins Fire Protection Series

Zurn Wilkins fire protection products provide the building owner with complete fire protection solutions and industry-leading lowest lifecycle costs. Our technologically advanced backflow prevention products, automatic control valves, and fire valves ensure consistent test results, compliance to fire sprinkler code requirements, and simple repair and maintenance.

We are a recognized leader in commercial, municipal, and industrial markets, delivering sustainable building solutions for new construction and retrofit applications.

At Zurn, we are committed to providing smart solutions that save both time and money. Our goal is serving the customer through innovation, continuous improvement, and assurance behind every installation. Choose Zurn for a reliable, recognized manufacturer to supply your entire installation, from behind the wall rough-in to finish trim product and fixture systems.

## Value Proposition

### Building Owner

- Lowest lifecycle costs
- Ease of repair and low-cost repair kits
- Superior field technical support
- Theft deterrent product options

### Designer/Engineer

- Complete line of backflow preventers and pressure regulating valves for fire protection systems
- Products comply with all standards and specifications
- Products designed for installation in tight spaces
- CAD drawings available on [www.zurn.com](http://www.zurn.com)
- Low-pressure drop in documents approved by the USC Foundation

### Distributor

- Satisfy customers with products that meet their needs
- Industry-leading on-time delivery and availability
- Complete line of backflow preventers and pressure regulating valves for fire protection systems
- Superior field technical support

### Contractor

- Lean installation
- Multiple configurations, providing installation versatility
- Ease of repair and low-cost repair kits
- Superior field technical support
- Industry-leading on-time delivery and availability
- Low-pressure drop in documents approved by the USC Foundation

### Table of Contents

Zurn Wilkins Backflow Preventers .....	3
Double Check Assemblies .....	4
Double Check Detector Assemblies .....	5
Reduced Pressure Principle Assemblies.....	6
Reduced Pressure Detector Assembly.....	7
Replacement Series Backflow Prevention Assembly.....	8
Small Diameter Double Check Assemblies.....	9
Small Diameter Reduced Pressure Principle Assemblies .....	10
Shut-Off Valve Options .....	11
In Building Risers and Setters.....	12
Air Gaps, Ball Valve Monitor Switches, and Dual Check Valves .....	13
Automatic Control Valves .....	14
Automatic Control Valves and Pressure Relief Valves .....	15
Pressure-Tru® Fire Control Valves (Field Adjustable).....	16
Pressure-Tru® Fire Control Valves (Factory Set).....	17
Weights, Dimensions, and Flow Curves.....	18

# Zurn Wilkins Backflow Preventers

## Valve Features

Listed below are consistent features for the Zurn Wilkins Backflow Preventer product line. Model specific sizes, approvals, and unique features, as well as flow curves, can be found towards the back of this catalog.

### Approvals

- UL®, C-UL®, FM®, CSA®, and ASSE® approved, and approved by the USC Foundation
- Extremely low pressure losses in documents approved by the USC Foundation
- Lead-free law compliant

### Bodies

- Lightweight stainless steel or epoxy coated ductile iron bodies
- No threads or taps in ductile iron body or cover, eliminating exposure to corrosion

### Shut-Off Options

- OS&Y, Butterfly, and Post Indicator shut-off options available
- Assemblies available in flange X flange, flange X groove, and groove X groove end OS&Y, post indicator, or butterfly valve configurations

### Small Footprint

- Shorter in-line assemblies minimize installation space
- Assemblies available in "n" and "z" shape
- AR series for fast and easy backflow replacement

### Easy Installation and Low Lifecycle Cost

- Shorter and lighter, making it easier to install
- Single grooved access cover for easy access to all internal check valve parts
- Replaceable seat discs for easy and inexpensive maintenance

### Proven, Patented Compound Check™

- Provides a mechanical "assist", resulting in very low pressure loss
- Patented, revolutionary Compound Check module provides reliable and secure check closure and low head loss
- Center stem guided to ensure positive test restarts
- Maintainable in-line with cost effective repair kits



**Double Check Assemblies**

See page 4 for specific model details



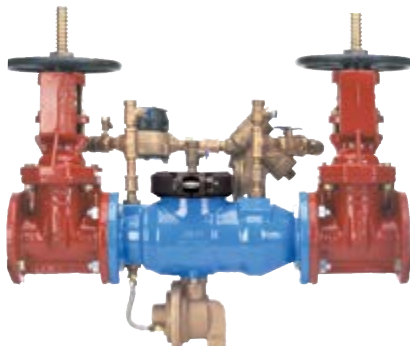
**Double Check Detector Assemblies**

See page 5 for specific model details



**Reduced Pressure Principle Assemblies**

See page 6 for specific model details



**Reduced Pressure Detector Assemblies**

See page 7 for specific model details



Visit [www.youtube.com/OneZurn](http://www.youtube.com/OneZurn) to view the Compound Check™ video

# Double Check Assemblies

350, 350A, 350AST, and 450



## 350OSY, 350AOSY

**350 Flanged Body Sizes:** 2-1/2", 3", 4", 6", 8", 10", and 12"

**350A Grooved Body Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

NSF epoxy coated ductile iron bodies

Vertical and horizontal installations approvals

Lead-free law compliant



## 350ASTOSY

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Lightweight stainless steel body provides superior corrosion resistance

Same rubber repair kits as ductile iron model

Paintable body, allowing for city aesthetic regulations without affecting the valve function

Lead-free law compliant

Vertical and horizontal installations approved



## 450OSY

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

n-Pattern is easy and inexpensive to install

Up/down n-Pattern configuration minimizes the footprint within your installation

Standard with two OS&Y, full port flanged X grooved end gate valves (flange is on the inlet and outlet of the unit)

Lead-free law compliant



# Double Check Detector Assemblies

350DA, 350ADA, 350ASTDA, and 450DA



## 350DA, 350ADA

**350DA Flanged Body Sizes:** 2-1/2", 3", 4", 6", 8", 10", and 12"

**350ADA Grooved Body Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Complete with 3/4" metered bypass in series with an approved 3/4" double check assembly for indicator unauthorized water usage

NSF epoxy coated ductile iron bodies

Lead-free law compliant

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## 350ASTDA

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Lightweight stainless steel body provides superior corrosion resistance

Same rubber repair kits as ductile iron model

Paintable body, allowing for city aesthetic regulations without affecting the valve function

Lead-free law compliant

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## 450DA

**Sizes:** 4", 6", 8", and 10"

n-Pattern is easy and inexpensive to install

Up/down n-Pattern configuration minimizes the footprint within your installation

Standard with two OS&Y, full port flanged X grooved end gate valves (flange is on the inlet and outlet of the unit)

Lead-free law compliant

# Reduced Pressure Principle Assemblies

375, 375A, 375AST, 475, and 475V



## 375, 375A

**375 Flanged Body Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

**375A Grooved Body Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

ASSE®, UL®, C-UL® Classified and FM approvals, and approved by the USC Foundation

NSF epoxy coated ductile iron bodies

Pressure differential relief valve positioned between two center stem guided check valves

Lead-free law compliant

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## 375AST

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Corrosion-resistant stainless steel body, providing lower lifecycle costs

Paintable body, allowing for city aesthetic regulations without affecting the valve function

Flow clean sensing passage eliminates debris build-up in sensing line

Lead-free law compliant

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## 475OSY

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Same features as the 375A

Up/down n-Pattern configuration minimizes the footprint within your installation

Standard with two non-rising stems, full port flanged X grooved end gate valves (flange is on the inlet and outlet of the unit)

Lead-free law compliant

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## 475VOSY

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Up/up z-Pattern configuration minimizes the footprint within your installation

Vertically offset installation with relief valve mounted below the reduced pressure zone to comply with national approvals

Lead-free law compliant

# Reduced Pressure Detector Assembly

375DA, 375ADA, 375ASTDA, 475DA, and 475DAV



## 375DA, 375ADA

**375DA Flanged Ductile Iron Body Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

**375ADA Grooved Ductile Iron Body Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Complete with 3/4" metered bypass in series with an approved 3/4" RP assembly for metering unauthorized water usage

FDA epoxy coated ductile iron bodies

Pressure differential relief valve positioned between two center stem guided check valves

Lead-free law compliant

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## 375ASTDA

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Corrosion-resistant stainless steel body, providing lower lifecycle costs, allowing for city aesthetic regulations without affecting the valve function

Lead-free law compliant

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## 475DA

**Sizes:** 4", 6", 8", and 10"

Up/down n-Pattern configuration minimizes the footprint within your installation

Standard with two OS&Y gates, full port flanged X grooved end gate valves (flange is on the inlet and outlet of the unit)

Lead-free law compliant

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## 475DAV

**Sizes:** 4", 6", 8", and 10"

Up/up z-Pattern configuration minimizes the footprint within your installation

Vertically offset installation with relief valve mounted below the reduced pressure zone to comply with national approvals

Lead-free law compliant

# Replacement Series Backflow Prevention Assembly

300AR



## 300AR

Zurn Wilkins custom fits a grooved spool between the backflow body and downstream shut-off valve to match the length of your end of life, high cost to repair backflow preventer

The 300AR saves time during installation, decreases the amount of fire sprinkler system downtime, and saves money for both installers and business owners

Shut-offs remain in the same location, enabling tamper switches to be re-installed without modifying electrical wiring

Complete assembly with a grooved stainless steel custom-length AR spool eliminates field cutting and spool assembly

Product ships within 48 hours fully assembled from factory locations ready to install

Measure the current flange face-to-face dimension and your 300AR will be built to match the current footprint (order form on [zurn.com](http://zurn.com))

Available for 300 Series ductile iron and stainless steel backflow preventers

Fully approved to ensure local code compliance

US Patent No. 8,997,772

Lead-free law compliant





# Small Diameter Double Check Assemblies

350 and 950XLTDABFSS



## 350

### Double Check Assembly

**Sizes:** 3/4", 1", 1-1/4", 1-1/2", and 2"

Short lay length enables the backflow preventer to fit in small areas

Top access to test cocks, shut-off valves, and check assembly make testing easy

The backflow preventer is serviceable in-line with a removable pressure vessel, eliminating the need for union connections between ball valves

The pressure vessel can be replaced in seconds, significantly decreasing water system downtime

Pressure vessel is serviceable offline and reusable, resulting in reduced labor costs

The pressure vessel is made of UV resistant composite material

Both the pressure vessel and check modules resist corrosion

**NEW:** Stainless steel struts, handles, and hardware for added corrosion resistance

Tested and approved with performance levels exceeding bronze backflow levels, even in severe water conditions

Savings of 75% or more over the backflow's lifecycle due to reduced labor, time, and lower repair kit costs

Approved by the USC Foundation for horizontal and vertical installations

350 flush kits available for new installations

UL® Classified 350L



## 950XLTDABFSS

### Double Check Detector Assembly

**Size:** 2"

Designed to protect against backflow in residential and smaller commercial fire systems

Utilizes a meter and 3/4" Model 350 bypass to detect unauthorized use or leaking of water in a residential fire protection system

SS Option includes supervisory switches

ASSE Listed 1048 (horizontal/vertical), UL Classified (horizontal/vertical)

C-UL® Classified (horizontal/vertical), and approved by the USC Foundation (horizontal/vertical)

# Small Diameter Reduced Pressure Principle Assemblies

375 and 975XL



## 375

**Sizes:** 1/2", 3/4", 1", 1-1/4", 1-1/2", and 2"

Short lay length enables the backflow preventer to fit in small areas

Top access to test cocks, shut-off valves, and check assembly make testing easy

The backflow preventer is serviceable in-line with the EZSwap™ pressure vessel, eliminating the need for union connections between ball valves

The pressure vessel can be replaced in seconds, significantly decreasing water system downtime

Pressure vessel is serviceable offline and reusable, resulting in reduced labor costs

The pressure vessel is made of UV resistant composite material

Both the pressure vessel and check modules resist corrosion

Tested and approved with corrosion resistance levels exceeding bronze backflow levels, even in severe water conditions

Savings of 75% or more over the backflow's lifecycle due to reduced labor, time, and lower repair kit costs

375 flush kits available for new installations

UL® Classified (less shutoff valve only)



## 975XL

**Sizes:** 3/4", 1", 1-1/4", 1-1/2", and 2"

Independent access covers provide easy maintenance of component parts

Short lay length wye patterned body for small space requirements

Replaceable seats and seat discs for easy and inexpensive maintenance

Available with optional OS&Y inlet and outlet gate valves (975XLOSXY)

Extremely low pressure losses in documents approved by the USC Foundation

UL Classified (less shutoff valves or with OS&Y valves)

# Shut-Off Valve Options

48OSYG, 48OSY, and 48OSYGXF



## 48OSYG Groove X Groove Gate Valves

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Outside stem and yoke (OSY)  
gate valve

Resilient seated

Full flow waterway

250 psi working pressure

Tapped and plugged

AWWA C515 compliant

Grooved end conforms  
to ANSI/AWWA C606

Epoxy coating conforms  
to ANSI/AWWA C550

UL® Listed, FM® Approved

Lead-free law compliant



## 48OSY Flange X Flange Gate Valves

**Sizes:** 2-1/2", 3", 4", 6", 8", 10",  
and 12"

Outside stem and yoke (OSY)  
gate valve

Resilient seated

Full flow waterway

250 psi working pressure

Tapped and plugged

AWWA C515 compliant

Flanged end conforms  
to ANSI/ASME B16

Epoxy coating conforms  
to ANSI/AWWA C550

UL Listed, FM Approved

Lead-free law compliant



## 48OSYGXF Groove X Flange Gate Valves

**Sizes:** 2-1/2", 3", 4", 6", 8", 10",  
and 12"

Outside stem and yoke (OSY)  
gate valve

Resilient seated

Full flow waterway

250 psi working pressure

Tapped and plugged

AWWA C515 compliant

Grooved end conforms  
to ANSI/AWWA C606

Flanged end conforms  
to ANSI/ASME B16

Epoxy coating conforms  
to ANSI/AWWA C550

UL Listed, FM Approved

Lead-free law compliant

# Shut-Off Valve Options

48PI and 49



## 48PI Post Indicator Gate Valve

**Sizes:** 2-1/2", 3", 4", 6", 8", 10" and 12"

Universal PI plate and operating nut

Resilient seated

Full flow waterway

250 psi working pressure

Tapped and plugged

Available Flange X Flange, Flange X Groove, and Groove X Groove

AWWA C515 compliant

Grooved end conforms to ANSI/AWWA C606

Flanged end conforms to ANSI/ASME B16

Epoxy coating conforms to ANSI/AWWA C550

UL® Listed, FM® Approved

Lead-free law compliant



## 49 Butterfly Valve

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Maximum working water pressure 175 psi

Maximum working water temperature 140°F

Hydrostatic test pressure 350 psi

Available in Groove X Groove, Groove X Flanged, or Flanged X Groove

Epoxy coating conforms to ANSI/AWWA C550

UL, C-UL®, FM® Approved

Lead-free law compliant

# In Building Risers and Setters

WBR, Setter Series FLS, MJS, and MJFS



## WBR In Building Riser

**Sizes:** 4", 6", 8", and 10"

Designed for use to connect a water supply line from outside the building to the sprinkler system inside the building

Simplifies installations

All stainless steel construction

Available with grooved or flanged outlet connections

UL Listed, C-UL Listed, FM Approved



## Series FLS, MJS, and MJFS Setter Assembly

**Sizes:** 2-1/2", 3", 4", 6", 8", and 10"

Setter assembly used to ease installation of Models 450/450DA/475/475DA backflow preventers

Epoxy coated and lined ductile iron construction

Model FLS features flanged X flanged connections

Model MJS features mechanical joint X mechanical joint connections, less accessories

Model MJFS features mechanical joint X flanged connections, less accessories



# Air Gaps, Ball Valve Monitor Switches, and Dual Check Valves

AG, BVMS, and 700XLFP



## AG

### Air Gap Drain

**Sizes:** 1/4", 1/2", 3/4", 1", 1-1/4", 2", 2-1/2", 3", 4", 6", 8", and 10"

An air gap is necessary when installing a drain line to the discharge part of an RP assembly, primarily for indoor installations

For use with 1/4" through 10" Model 975, 375, 475 and 475V Reduced Pressure Principle Backflow Preventers on horizontal installations

Can be mounted to the backflow preventer's body

Outlet pipe sizes 1" NPT-4" NPT

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## BVMS

### Ball Valve Monitor Switch

**Sizes:** 3/4", 1", 1-1/4", 1-1/2", 2"

For use on 950XL, 950XLT, and 975XL

Allows electrical supervision of open ball valves

Complete with mounting hardware

Contacts for both normally open and normally closed operation

NO/NC SPDT contacts: 10A at 125/250 VAC, 2A at 30 VDC

On backflow installations a switch is required on each ball valve, thus two BVMS are required

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## 700XLFP

### High Capacity Dual Check Valve

**Sizes:** 1", 1 1/4", 1 1/2"

175 psi max

180°F max

Bronze body construction

Available in female pipe, meter, or copper sweat end configurations for easy installation on any low hazard piping systems

Single union standard on inlet of all models

May be installed vertically or horizontally

# Automatic Control Valves

ZW209FP and ZW215FP



## ZW209FP

### Fire Protection Pressure Reducing Valve

**Sizes:** 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8", and 10"

Designed for fire suppression systems to reduce high inlet pressures to a safe and stable outlet pressure

Red internal and external FDA approved epoxy coating

Wye type strainer, inlet and outlet pressure gauges, and 3-way gauge isolation valve come standard in pilot assembly

Available with flanged (Class 300 or 150), grooved, or threaded ends

Temperature Rating: Water 33°F to 140°F

UL®, C-UL® Listed (175 PSI set pressure maximum for UL Listed)

Other valve variations are available

Refer to Zurn Wilkins Automatic Control Valve Catalog ZMKTG480-01 or consult [www.zurn.com](http://www.zurn.com)



## ZW215FP

### Fire Pump Suction Control Valve

**Sizes:** 2", 2-1/2", 3", 4", 6", 8", and 10"

Designed for fire protection systems to prevent fire pumps from over-drawing from the supply line

Prevents damage to the pump or the supply network

Will close if suction pressure drops below the set pressure and opens once suction pressure rises

Prevents cavitation that could harm the pump

Red internal and external FDA approved epoxy coating

Wye type strainer, visual position indicator, and test cock to bleed sensing line come standard in valve assembly

Temperature Rating: Water 33°F to 140°F

Standard adjustability from 10-30 psi

FM® Approved

# Automatic Control Valves and Pressure Relief Valves

ZW205FP and P4000A



## **ZW205FP** Fire Protection Pressure Relief Valve

**Sizes:** 2", 2-1/2", 3", 4", 6", 8", and 10"

Designed for fire suppression systems to relieve high system pressures

Designed to open quickly and close slowly to prevent upstream pressure surges

Red internal and external FDA approved epoxy coating

Wye type strainer, inlet pressure gauge, and 3-way gauge isolation valve come standard in pilot assembly

Temperature Rating: Water 33°F to 140°F

Standard adjustability from 50-200 psi

Optional pilot spring range 150-300 psi

UL® and C-UL® Listed, FM® Approved

Available with Globe or Angle body



## **P4000A** Pressure Relief Valve

**Sizes:** 1/2" and 3/4"

Used in fire pump installations

Relieves high pressure in fire sprinkler systems, such as from thermal expansion

Direct acting, spring loaded, diaphragm type relief valve

Corrosion resistant

Automatic operation

Easy adjustments and maintenance

Water temperature rated 33°F to 140°F

Simple to adjust pressure on site, rated to 300 psi max

Adjustment cap can be wire sealed to prevent tampering

May be installed in any position

UL Listed and FM Approved

# Pressure-Tru® Fire Control Valves (Field Adjustable)

Z3000, Z3005, Z3004, Z2100, and Z2105



## Z3000, Z3005

**Size:** 2-1/2"

Model Z3000 series features female NPT or grooved inlet X male hose thread outlet

Model Z3005 series features female NPT inlet and outlet

Rated up to 400 psi inlet pressure

All bronze construction

Available in angle or in-line (globe) configurations

All valves are adjustable and can be field or factory set

Available with rough chrome finish

Special hose threads available as an option

UL®, C-UL® Listed



## Z3004

**Size:** 2-1/2"

Female NPT or grooved inlet and outlet connections

Rated up to 400 psi inlet pressure

Open-close indicating feature

Designed for flows up to 500 GPM

Available with optional integral supervisory switch

Available in angle or in-line (globe) configurations

All valves are adjustable and can be field or factory set

Available with rough chrome finish

UL, C-UL Listed



## Z2100, Z2105

**Size:** 1-1/2"

Z2100 series features FNPT inlet connection with male outlet hose connection, available with cap and chain

Z2105 series features female NPT inlet and outlet connections

All bronze construction

Angle type valve configuration

All valves are adjustable and can be field or factory set

Available with rough chrome finish

Special hose threads available as an option

UL, C-UL Listed



# Pressure-Tru® Fire Control Valves (Factory Set)

ZW4100, ZW4104, ZW4000, and ZW4004



## ZW4100, ZW4104

**Size:** 1-1/2"

ZW4100 series features female NPT or grooved inlet X male hose thread outlet

ZW4104 series features female NPT or grooved inlet and outlet connections

ZW4104 series features open-close indicating feature

Rated up to 400 psi inlet pressure

Valves are factory set only and cannot be adjusted in the field

All bronze construction

Serviceable in-line

Special hose threads available as an option

Designed for flows up to 200 GPM

Available with rough chrome finish

UL®, C-UL® Listed



## ZW4000, ZW4004

**Size:** 2-1/2"

ZW4000 series features female NPT or grooved inlet X male hose thread outlet

ZW4004 series features female NPT or grooved inlet and outlet connections

ZW4004 series features open-close indicating feature

Rated up to 400 psi inlet pressure

Valves are factory set only and cannot be adjusted in the field

All bronze construction

Serviceable in-line

Special hose threads available as an option

Designed for flows up to 500 GPM

Available in angle or in-line (globe) configurations

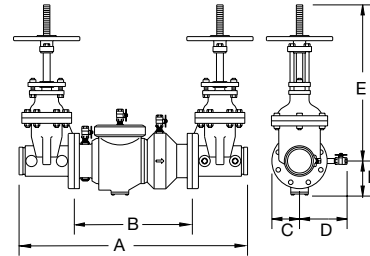
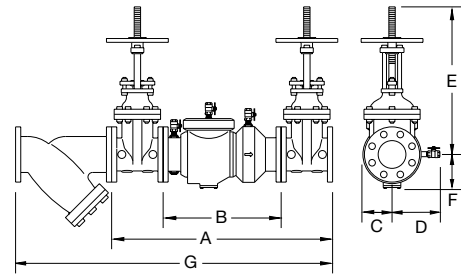
Available with rough chrome finish

UL, C-UL Listed

# Specifications - 350 Double Check Assembly

## Weights and Dimensions

350 SIZE (IN. [MM])	WEIGHT (LBS. [KG])					
	LESS SHUTOFF VALVES	NRS GATE VALVES FLANGED	NRS GATE VALVES GROOVED	OS&Y GATE VALVES FLANGED	OS&Y GATE VALVES GROOVED	BUTTERFLY VALVES GROOVED
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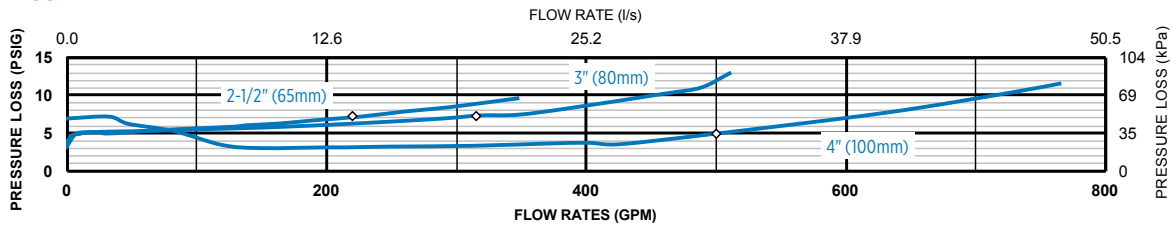


350 OSYG option

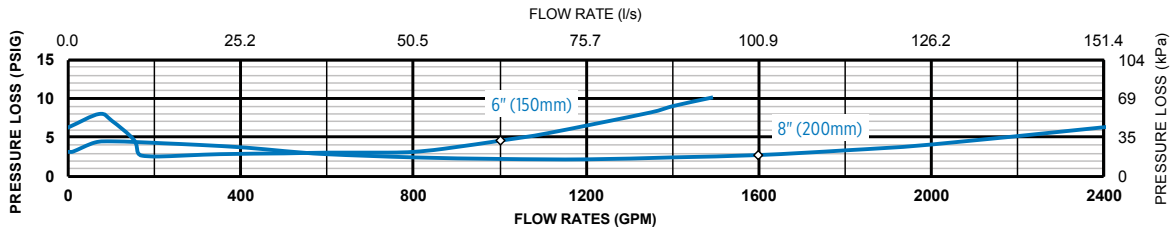
350 SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])										
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E NRS GATE	E WITH BUTTERFLY VALVES	F	G
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## Flow Curves

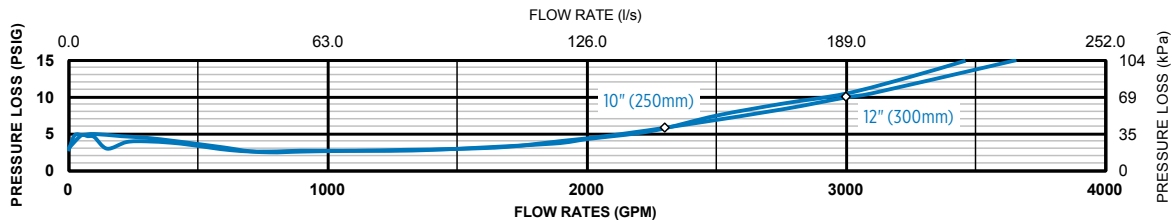
MODEL 350 2-1/2", 3" & 4" (STANDARD & METRIC)



MODEL 350 6" & 8" (STANDARD & METRIC)



MODEL 350 10" & 12" (STANDARD & METRIC)

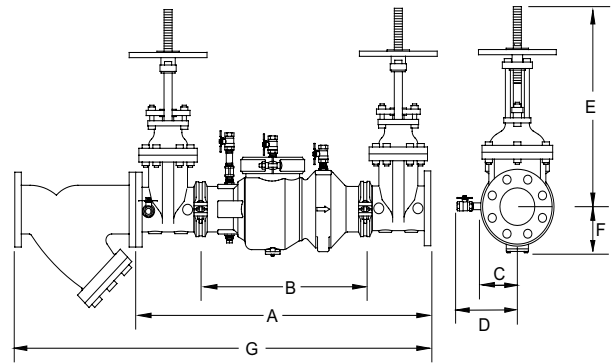


◇ Rated Flow (Established by approval agencies)

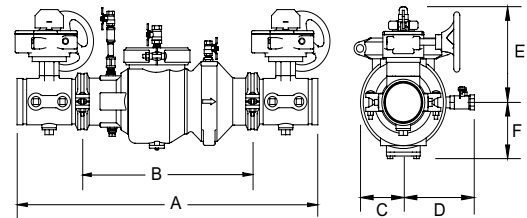
# Specifications - 350A Double Check Assembly

## Weights and Dimensions

350A SIZE (IN. [MM])	WEIGHT (LBS. [KG])						
	LESS SHUTOFF VALVES	NRS GATE VALVES FLANGED	NRS GATE VALVES GROOVED	OS&Y GATE VALVES FLANGED	OS&Y GATE VALVES GROOVED	BUTTERFLY VALVES FLANGED	BUTTERFLY VALVES GROOVED
2-1/2 [65]	90 [41]	184 [83]	176 [80]	192 [87]	184 [83]	142 [65]	132 [60]
3 [80]	89 [40]	204 [93]	194 [88]	210 [95]	200 [91]	147 [66]	133 [61]
4 [100]	76 [34]	220 [100]	194 [88]	230 [104]	204 [93]	147 [66]	124 [56]
6 [150]	126 [57]	346 [157]	316 [143]	362 [164]	332 [151]	231 [105]	200 [91]
8 [200]	286 [130]	738 [335]	738 [335]	762 [346]	738 [335]	476 [216]	430 [195]
10 [250]	339 [154]	966 [438]	844 [383]	1024 [464]	902 [409]	613 [278]	555 [252]



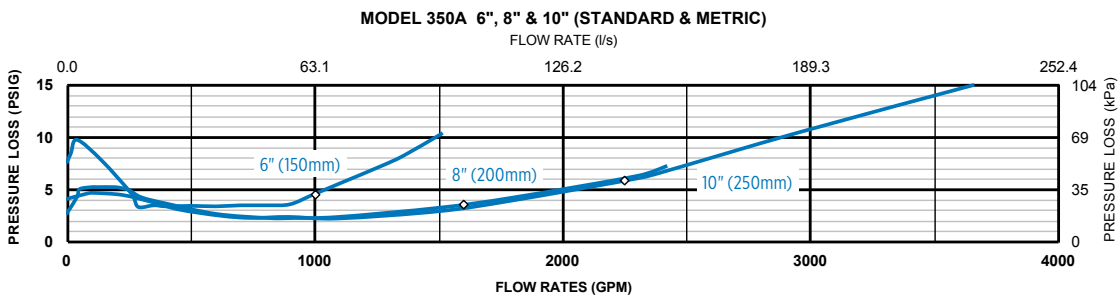
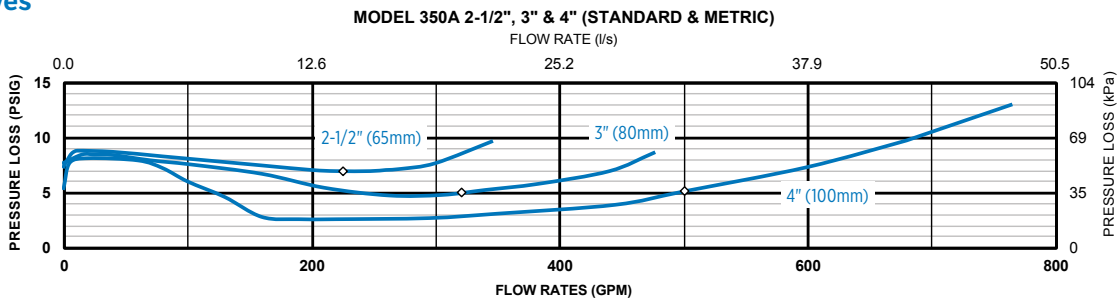
Model 350A with OSY & FSC option



Model 350A with BG option

350A SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])											
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E NRS GATE	E WITH BUTTERFLY VALVES	F	G	G WITH BUTTERFLY VALVES
2-1/2 [65]	35-1/8 [892]	32-1/8 [816]	20-1/8 [511]	4-1/2 [114]	7-1/4 [184]	17-3/4 [451]	15-3/8 [391]	11-1/2 [292]	8-1/4 [210]	6 [152]	45-1/4 [1149]	42-1/4 [1073]
3 [80]	36-1/8 [918]	33 [838]	20-1/8 [511]	4-1/2 [114]	7-1/4 [184]	20-1/4 [514]	17 [432]	12-3/4 [324]	8-1/2 [216]	6 [152]	46-7/8 [1191]	43-3/4 [1111]
4 [100]	38-1/4 [972]	33-1/4 [845]	19-7/8 [505]	4-1/2 [114]	8 [203]	22-1/2 [572]	18-1/4 [464]	14-1/2 [368]	9 [229]	6 [152]	53-3/8 [1356]	48-3/8 [1229]
6 [150]	47-1/4 [1200]	40-1/4 [1022]	25-7/8 [657]	5-1/2 [140]	10 [254]	30-1/2 [775]	24-1/4 [616]	18 [457]	10-1/4 [260]	7 [178]	65-3/8 [1661]	58-3/8 [1483]
8 [200]	62 [1575]	55 [1397]	38-1/2 [978]	10 [254]	11 [279]	37 [940]	28-1/2 [724]	21-1/8 [724]	12 [305]	8-1/2 [216]	86-3/8 [2194]	79-3/8 [2016]
10 [250]	64-5/8 [1641]	58-1/2 [1486]	38-1/2 [978]	10 [254]	12 [305]	45-5/8 [1159]	34-3/4 [883]	24-3/4 [629]	13 [330]	8-1/2 [216]	94-3/8 [2397]	88-1/4 [2242]

## Flow Curves

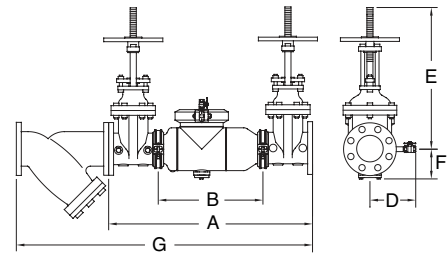


◇ Rated Flow (Established by approval agencies)

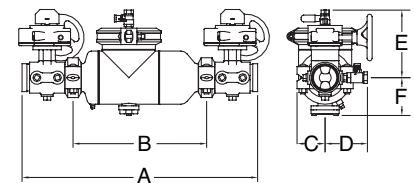
# Specifications - 350AST Stainless Steel Double Check Assembly

## Weights and Dimensions

350AST SIZE (IN. [MM])	WEIGHT (LBS. [KG])						
	WITHOUT GATES	WITH NRS GATES (GXF)	WITH OS&Y GATES (GXF)	WITH NRS GATES (GXG)	WITH OS&Y GATES (GXG)	WITH BUTTERFLY VALVES (GXG)	WITH BUTTERFLY VALVES (GXF)
2-1/2 [65]	33 [15]	94 [43]	112 [51]	86 [39]	104 [47]	79 [36]	89 [40]
3 [80]	34 [15.4]	112 [51]	130 [60]	102 [46]	120 [54]	83 [38]	96 [44]
4 [100]	35 [15.8]	168 [76]	204 [93]	142 [64]	184 [83]	87 [39]	109 [50]
6 [150]	63 [29]	280 [127]	338 [153]	250 [114]	308 [140]	150 [68]	180 [82]
8 [200]	177 [80]	565 [256]	647 [293]	525 [238]	593 [269]	347 [112]	393 [178]
10 [250]	177 [80]	769 [349]	865 [392]	717 [325]	807 [366]	443 [200]	501 [227]



350AST with OSY & FSC option

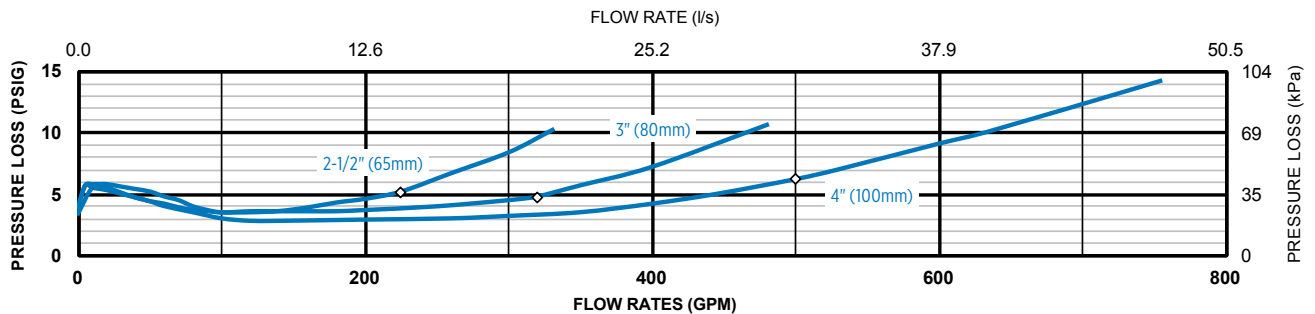


350AST with BG option

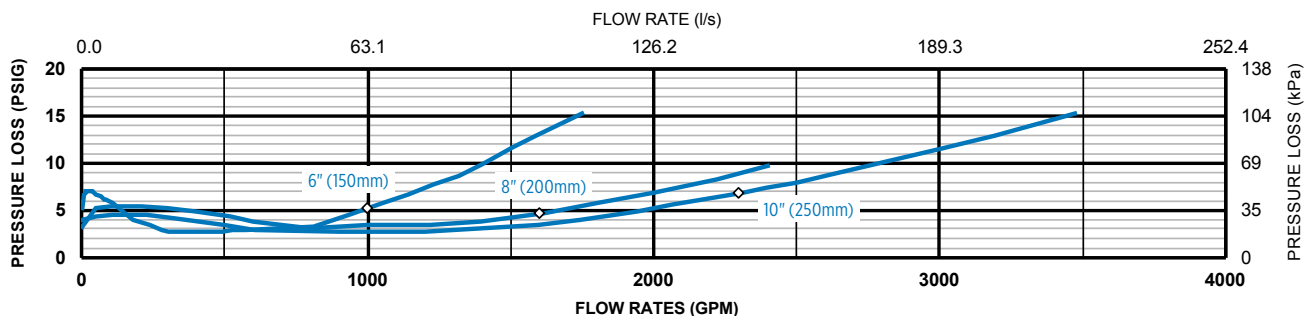
350AST SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])										
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E NRS GATE	E OS&Y OPEN	E OS&Y CLOSED	E WITH BUTTERFLY VALVES	F	G
2-1/2 [65]	31-7/8 [810]	28-3/4 [730]	16-5/8 [422]	4-1/2 [114]	7-1/4 [184]	11-1/2 [292]	17-3/4 [451]	15-3/8 [391]	8-1/4 [210]	5 [127]	42 [1067]
3 [80]	32-7/8 [835]	29-3/8 [746]	16-5/8 [422]	4-1/2 [114]	7-1/4 [184]	12-3/4 [324]	20-1/4 [514]	17 [432]	8-1/4 [210]	5 [127]	43-1/2 [1105]
4 [100]	34-7/8 [886]	30-1/4 [768]	16-5/8 [422]	4-1/2 [114]	8 [203]	14-1/2 [368]	22-1/2 [572]	18-1/4 [464]	9 [229]	5 [127]	50 [1270]
6 [150]	43-1/2 [1105]	36-1/2 [927]	22-1/4 [565]	5-1/2 [140]	10 [254]	18 [457]	30-1/2 [775]	24-1/4 [616]	10-1/4 [260]	6 [152]	61-5/8 [1565]
8 [200]	52-3/4 [1340]	45-3/4 [1162]	29-1/2 [749]	9-1/4 [235]	11 [279]	21-1/8 [537]	37 [940]	28-1/2 [724]	18-1/2 [470]	8-3/8 [213]	77-1/8 [1959]
10 [250]	55-3/4 [1416]	49-3/4 [1264]	29-1/2 [749]	9-1/4 [235]	12 [305]	24-3/4 [629]	45-5/8 [1159]	34-3/4 [883]	18-1/2 [470]	8-3/8 [213]	85-3/8 [2169]

## Flow Curves

### MODEL 350AST 2-1/2", 3" & 4" (STANDARD & METRIC)



### MODEL 350AST 6", 8" & 10" (STANDARDS AND METRIC)



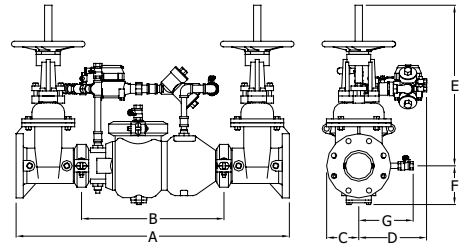
◇ Rated Flow (Established by approval agencies)



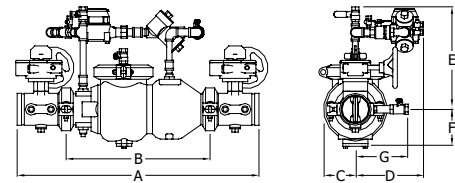
# Specifications - 350ADA Double Check Detector Assembly

## Weights and Dimensions

350ADA SIZE (IN. [MM])	WEIGHT (LBS. [KG])				
	LESS SHUTOFF VALVES	OS&Y GATE VALVES FLANGED	OS&Y GATE VALVES GROOVED	BUTTERFLY VALVES FLANGED	BUTTERFLY VALVES GROOVED
2-1/2 [65]	105 [48]	192 [87]	184 [83]	157 [71]	147 [67]
3 [80]	104 [47]	210 [95]	200 [91]	162 [73]	148 [67]
4 [100]	91 [41]	230 [104]	204 [93]	147 [66]	139 [63]
6 [150]	141 [64]	362 [164]	332 [151]	246 [111]	215 [98]
8 [200]	302 [137]	762 [346]	738 [335]	491 [223]	445 [202]
10 [250]	355 [161]	1024 [464]	902 [409]	628 [285]	570 [259]



350ADA with OS&Y option

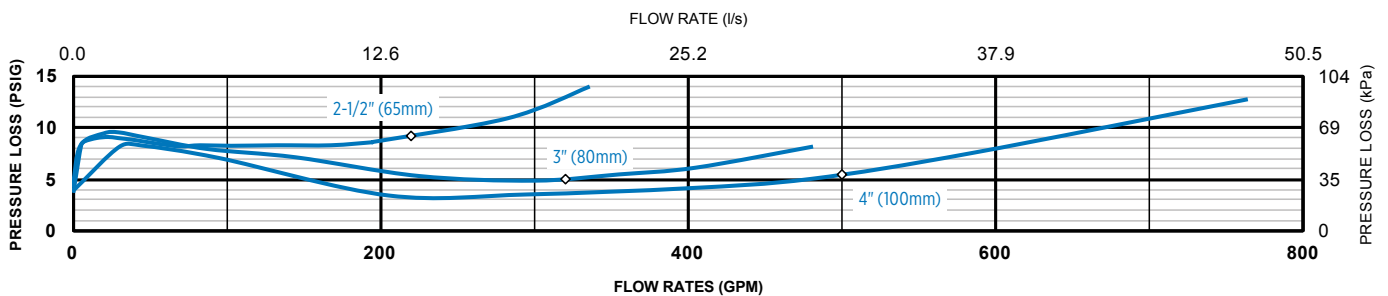


350ADA with BG option

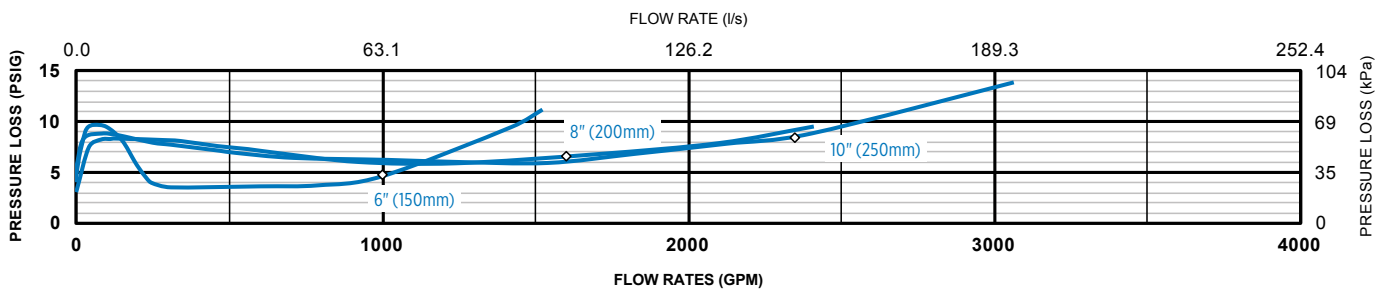
350ADA SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])									
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E WITH BUTTERFLY VALVES	F	G
2-1/2 [65]	35-1/8 [892]	32-1/8 [816]	20-1/8 [511]	4-1/2 [114]	9 [229]	17-3/4 [451]	15-3/8 [391]	8-1/4 [210]	6 [152]	7-1/4 [184]
3 [80]	36-1/8 [918]	33 [838]	20-1/8 [511]	4-1/2 [114]	9 [229]	20-1/4 [514]	17 [432]	8-1/4 [210]	6 [152]	7-1/4 [184]
4 [100]	38-1/4 [972]	33-1/4 [845]	19-7/8 [505]	4-1/2 [114]	9 [229]	22-1/2 [572]	18-1/4 [464]	9 [229]	6 [152]	8 [203]
6 [150]	47-1/4 [1200]	40-1/4 [1022]	25-7/8 [657]	5-1/2 [140]	10-1/2 [267]	30-1/2 [775]	24-1/4 [616]	10-1/4 [260]	7 [178]	10 [254]
8 [200]	62 [1575]	55 [1397]	38-1/2 [978]	10 [254]	12 [305]	37 [940]	28-1/2 [724]	12 [305]	8-1/2 [216]	11 [279]
10 [250]	64-5/8 [1642]	58-1/2 [1486]	38-1/2 [978]	10 [254]	12 [305]	45-5/8 [1159]	34-3/4 [883]	13 [330]	8-1/2 [216]	12 [305]

## Flow Curves

MODEL 350ADA 2-1/2", 3" & 4" (STANDARD & METRIC)



MODEL 350ADA 6", 8" & 10" (STANDARD & METRIC)



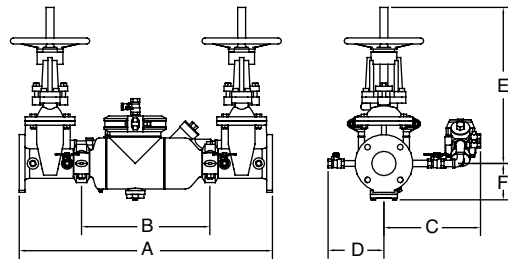
◇ Rated Flow (Established by approval agencies)

# Specifications - 350ASTDA

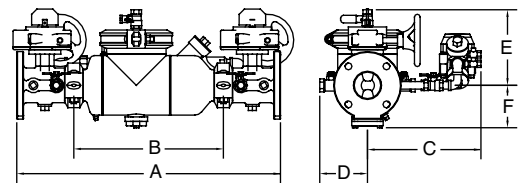
## Stainless Steel Double Check Detector Assembly

### Weights and Dimensions

350ASTDA SIZE (IN. [MM])	WEIGHT (LBS. [KG])			
	WITH OS&Y GATES (GXF)	WITH OS&Y GATES (GXG)	WITH BUTTERFLY VALVES (GXG)	WITH BUTTERFLY VALVES (FXG)
2-1/2 [65]	126 [57]	116 [53]	93 [42]	103 [47]
3 [80]	143 [65]	131 [60]	97 [44]	110 [50]
4 [100]	218 [99]	198 [90]	101 [46]	123 [56]
6 [150]	352 [160]	322 [147]	164 [74]	194 [88]
8 [200]	667 [303]	613 [278]	350 [159]	373 [169]
10 [250]	885 [401]	827 [375]	463 [210]	521 [236]



350ASTDA with OS&Y option

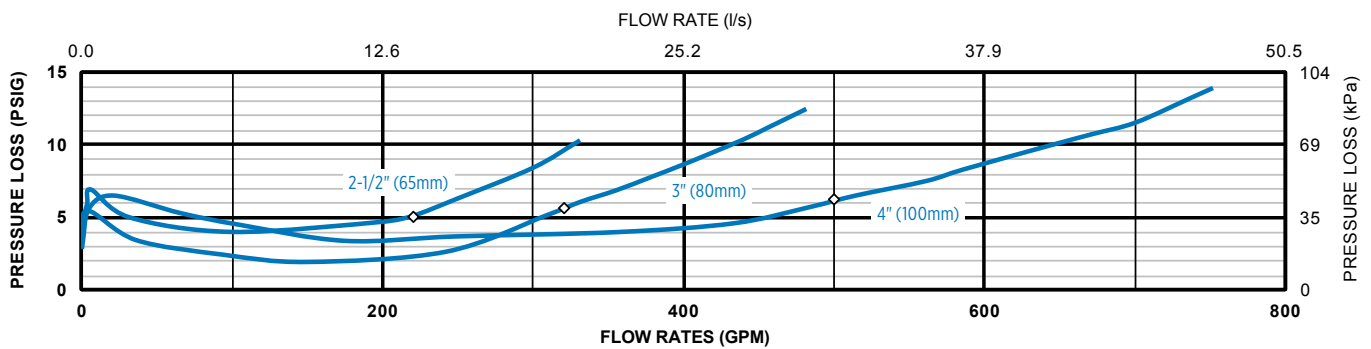


350ASTDA with BF option

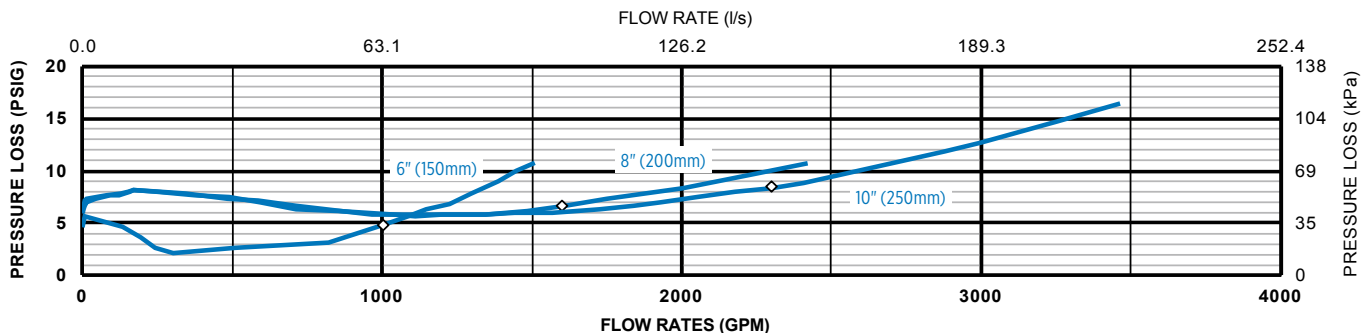
350ASTDA SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])								
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E WITH BUTTERFLY VALVES	F
2-1/2 [65]	31-7/8 [810]	28-3/4 [730]	N/A	12 [305]	7-1/4 [184]	17-3/4 [451]	15-3/8 [391]	8-1/4 [210]	5 [127]
3 [80]	32-7/8 [835]	29-3/8 [746]	N/A	12 [305]	7-1/4 [184]	20-1/4 [514]	17 [432]	8-1/4 [210]	5 [127]
4 [100]	34-7/8 [886]	30-1/4 [768]	N/A	12 [305]	8 [203]	22-1/2 [572]	18-1/4 [464]	9 [229]	5 [127]
6 [150]	43-1/2 [1105]	36-1/2 [927]	N/A	10-1/2 [254]	10 [254]	30-1/2 [775]	24-1/4 [616]	10-1/4 [260]	6 [152]
8 [200]	52-3/4 [1340]	45-3/4 [1162]	N/A	15-1/8 [384]	11 [279]	37 [940]	28-1/2 [724]	18-1/2 [470]	8-3/8 [213]
10 [250]	55-3/4 [1416]	49-3/4 [1264]	N/A	15-1/8 [384]	12 [305]	45-5/8 [1159]	34-3/4 [883]	18-1/2 [470]	8-3/8 [213]

### Flow Curves

#### MODEL 350ASTDA 2-1/2", 3" & 4" (STANDARD & METRIC)



#### MODEL 350ASTDA 6" 8" & 10" (STANDARD AND METRIC)

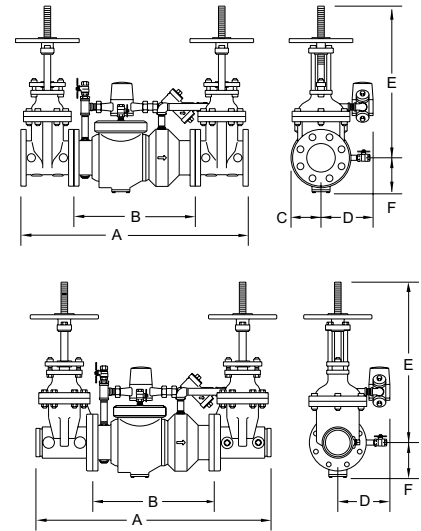


◇ Rated Flow (Established by approval agencies)

# Specifications - 350DA Double Check Detector Assembly

## Weights and Dimensions

350DA SIZE (IN. [MM])	WEIGHT (LBS. [KG])			
	LESS SHUTOFF VALVES	OS&Y GATE VALVES FLANGED	OS&Y GATE VALVES GROOVED	BUTTERFLY VALVES GROOVED
2-1/2 [65]	68 [31]	178 [81]	160 [73]	140 [64]
3 [80]	68 [31]	198 [90]	150 [68]	120 [54]
4 [100]	106 [48]	296 [134]	282 [128]	190 [86]
6 [150]	180 [82]	480 [218]	454 [206]	298 [135]
8 [200]	374 [170]	850 [386]	802 [364]	548 [249]
10 [250]	404 [183]	1222 [554]	1156 [524]	792 [359]
12 [300]	463 [210]	1623 [736]	N/A	N/A

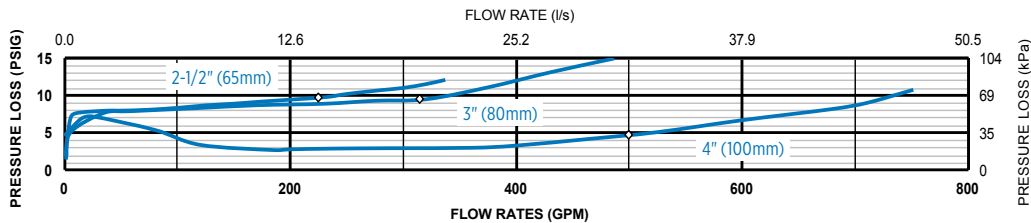


350DAG

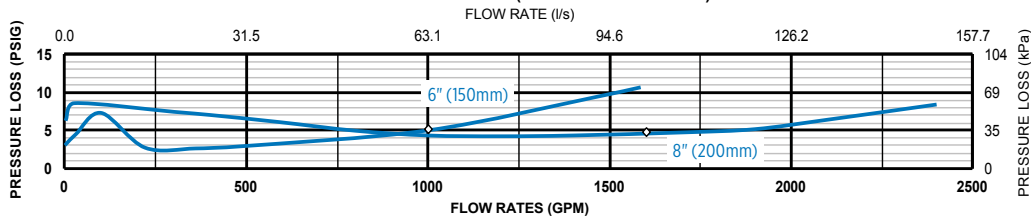
350DA SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])								
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E WITH BUTTERFLY VALVES	F
2-1/2 [65]	31 [787]	28 [711]	15-7/8 [403]	3-3/4 [95]	9 [229]	17-3/4 [451]	15-3/8 [391]	8-1/4 [210]	3-1/2 [89]
3 [80]	32 [813]	28-1/2 [724]	15-7/8 [403]	3-3/4 [95]	9 [229]	20-1/4 [514]	17 [432]	8-1/2 [216]	3-1/2 [89]
4 [100]	37-5/8 [956]	32-8/9 [835]	19-1/2 [495]	4-1/2 [114]	9 [229]	22-1/2 [572]	18-1/4 [464]	9 [229]	6 [152]
6 [150]	44-3/4 [1137]	37-5/8 [956]	23-1/2 [597]	6 [152]	10-1/2 [267]	30-1/2 [775]	24-1/4 [616]	10-1/4 [260]	7 [178]
8 [200]	60-3/4 [1543]	53-7/8 [1369]	37-3/4 [959]	10 [254]	12 [305]	37 [940]	28-1/2 [724]	12 [305]	8-1/2 [216]
10 [250]	63-3/4 [1619]	57-7/8 [1470]	37-3/4 [959]	10 [254]	12 [305]	45-5/8 [1159]	34-3/4 [883]	13 [330]	8-1/2 [216]
12 [300]	66-1/4 [1683]	N/A	38 [965]	10 [254]	12 [305]	53 [1346]	40-1/2 [1029]	N/A	8-7/8 [226]

## Flow Curves

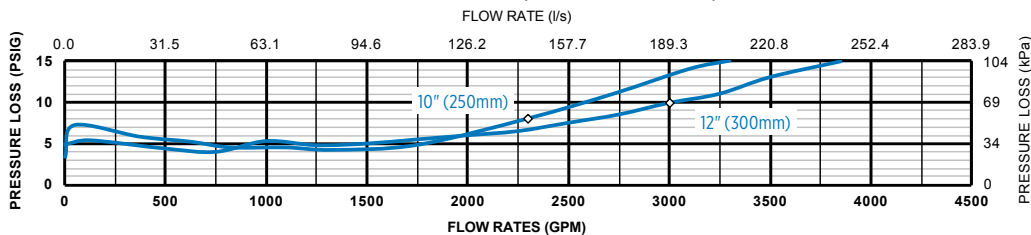
MODEL 350DA 2-1/2", 3" & 4" (STANDARD & METRIC)



MODEL 350DA 6" & 8" (STANDARD & METRIC)



MODEL 350DA 10" & 12" (STANDARD & METRIC)

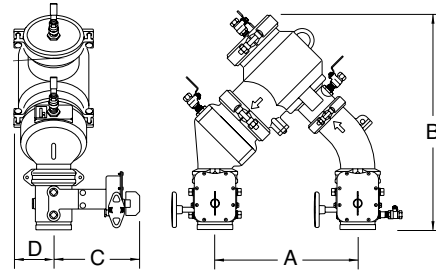
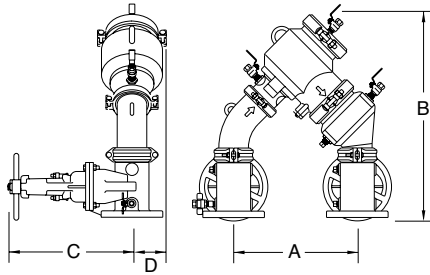
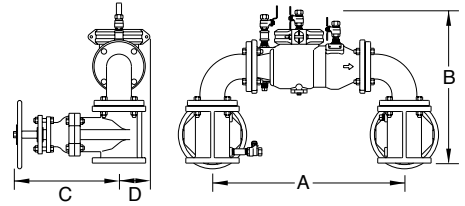


◇ Rated Flow (Established by approval agencies)

# Specifications - 450 Double Check Assembly

## Weights and Dimensions

450 SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])						WEIGHT (LBS. [KG])		
	A	B	C OS&Y OPEN	C OS&Y CLOSED	C NRS GATES	D	WITHOUT GATE VALVES	WITH NRS GATE VALVES	WITH OS&Y GATE VALVES
2-1/2 [65]	26 [660]	20-1/2 [521]	16-3/8 [416]	13-7/8 [352]	11-3/8 [289]	3-3/4 [95]	80 [36.3]	182 [82.6]	190 [86.3]
3 [80]	27 [686]	21-1/2 [546]	18-7/8 [479]	15-5/8 [397]	12-3/8 [314]	3-3/4 [95]	83 [37.7]	207 [94]	213 [96.7]



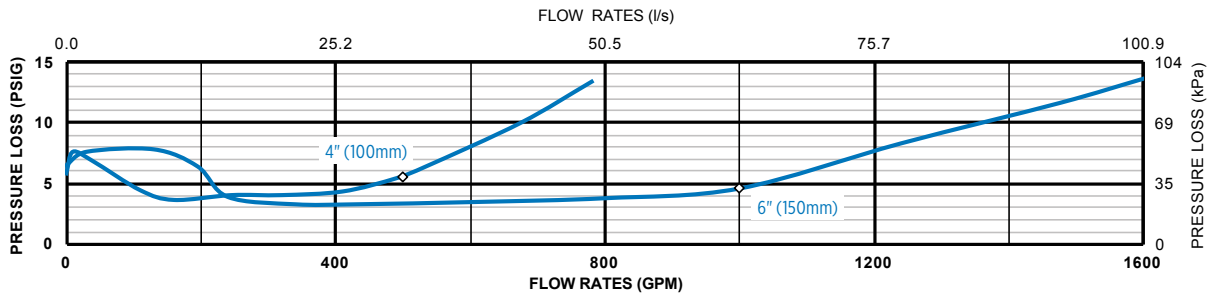
450BG

450 SIZE (IN. [MM])	WEIGHT (LBS. [KG])						
	LESS SHUTOFF VALVES	NRS GATE VALVES FLANGED	NRS GATE VALVES GROOVED	OS&Y GATE VALVES FLANGED	OS&Y GATE VALVES GROOVED	BUTTERFLY VALVES FLANGED	BUTTERFLY VALVES GROOVED
4 [100]	90 [41]	270 [122]	250 [113]	280 [127]	260 [118]	170 [77]	147 [67]
6 [150]	159 [72]	443 [201]	413 [187]	459 [208]	429 [195]	279 [127]	248 [113]
8 [200]	386 [175]	838 [380]	798 [362]	862 [391]	822 [373]	596 [270]	550 [249]
10 [250]	404 [183]	1032 [468]	980 [445]	1078 [489]	1026 [465]	703 [319]	645 [293]

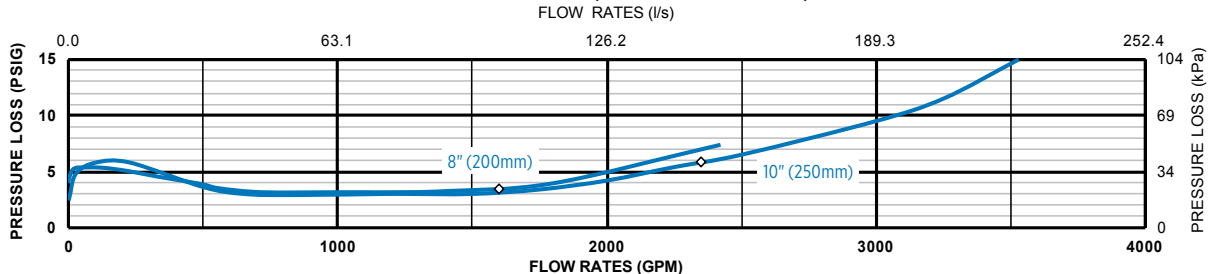
450 SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])								
	A	B WITH GATE VALVES	B WITH BUTTERFLY VALVES	B LESS SHUTOFF VALVES	C OS&Y OPEN	C OS&Y CLOSED	C NRS GATES	C WITH BUTTERFLY VALVES	D
4 [100]	18-5/16 [465]	30 [762]	27-5/8 [702]	21 [533]	22-1/2 [572]	18-1/4 [464]	14-1/2 [368]	9 [229]	5 [127]
6 [150]	18-11/16 [475]	35-1/2 [902]	32 [813]	25 [635]	30-1/2 [775]	24-1/4 [616]	18 [457]	10-1/4 [260]	6 [152]
8 [200]	29 [737]	46 [1168]	42-1/2 [1080]	34-7/16 [875]	37 [940]	28-1/2 [724]	21-1/8 [537]	12 [305]	10 [254]
10 [250]	29 [737]	47-1/2 [1207]	44-1/2 [1130]	34-7/16 [875]	45-5/8 [1159]	34-3/4 [883]	24-3/4 [629]	13 [330]	10 [254]

## Flow Curves

### MODEL 450 4" & 6" (STANDARD & METRIC)



### MODEL 450 8" & 10" (STANDARD & METRIC)

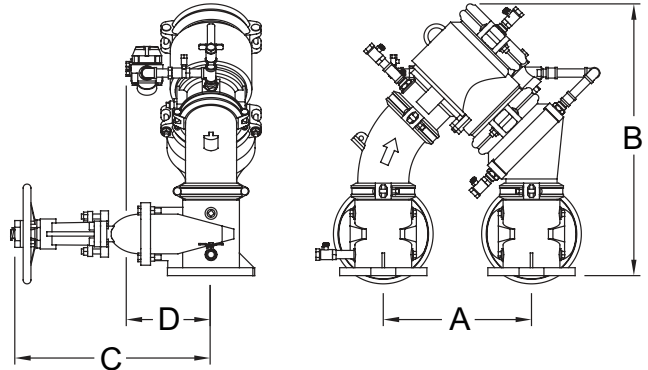


◇ Rated Flow (Established by approval agencies)

# Specifications - 450DA Double Check Detector Assembly

## Weights and Dimensions

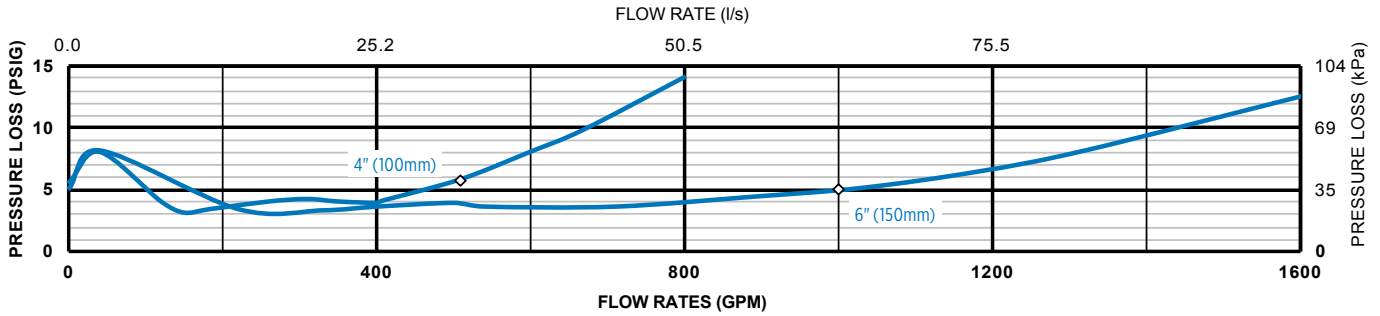
450DA SIZE (IN. [MM])	WEIGHT (LBS. [KG])				
	LESS SHUTOFF VALVES	OS&Y GATE (GXF)	OS&Y GATE (GXG)	WITH BFLY (GXF)	WITH BFLY (GXG)
4 [100]	105 [48]	295 [134]	271 [123]	175 [79]	153 [69]
6 [150]	174 [79]	474 [215]	452 [205]	278 [126]	248 [112]
8 [200]	402 [182]	878 [398]	824 [374]	592 [269]	546 [248]
10 [250]	420 [191]	1076 [488]	1018 [462]	694 [315]	636 [288]



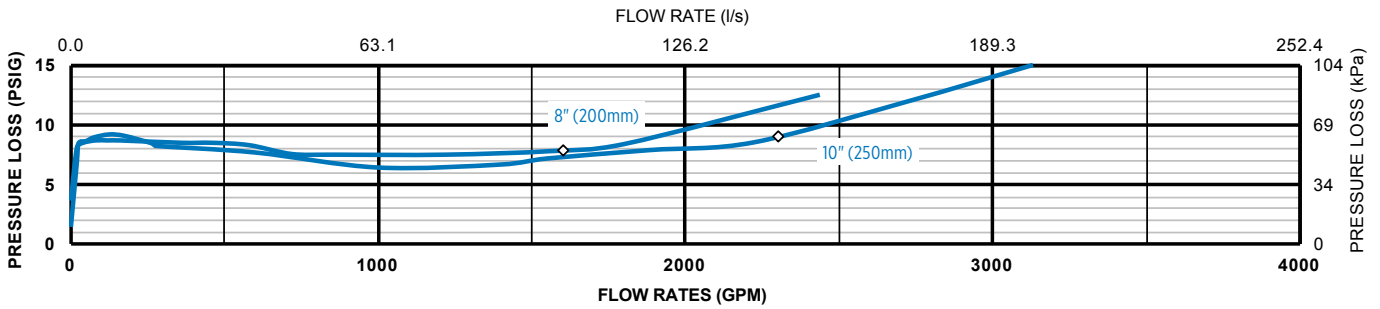
450DA SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])							
	A	B WITH GATE VALVES	B WITH BFLY VALVES	B LESS GATE VALVES	C OS&Y OPEN	C OS&Y CLOSED	C WITH BFLY VALVES	D
4 [100]	18-5/16 [465]	30 [762]	27-3/4 [705]	21 [533]	22-3/4 [578]	18-1/4 [460]	9 [229]	8 [203]
6 [150]	18-11/16 [475]	35-1/2 [902]	32-1/8 [816]	25 [635]	30-1/8 [765]	23-3/4 [603]	10-1/4 [260]	10 [254]
8 [200]	29 [737]	46 [1168]	42-9/16 [1081]	34-7/16 [845]	37-3/4 [959]	29-1/4 [743]	12 [305]	13 [330]
10 [250]	29 [737]	47-1/2 [1207]	47-1/2 [1207]	34-7/16 [845]	45-3/4 [1162]	35-3/8 [899]	13 [330]	13 [330]

## Flow Curves

### MODEL 450DA 4" & 6" (STANDARD & METRIC)



### MODEL 450DA 8" & 10" (STANDARD & METRIC)

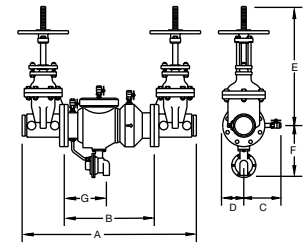
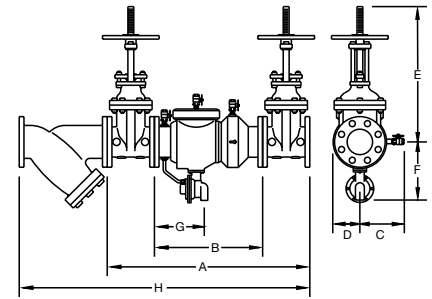


◇ Rated Flow (Established by approval agencies)

# Specifications - 375 Reduced Pressure Principle Assembly

## Weights and Dimensions

375 SIZE (IN. [MM])	WEIGHT (LBS. [KG])					
	LESS SHUTOFF VALVES	NRS GATE VALVES FLANGED	NRS GATE VALVES GROOVED	OS&Y GATE VALVES FLANGED	OS&Y GATE VALVES GROOVED	BUTTERFLY VALVES GROOVED
2-1/2 [65]	60 [27]	162 [73]	144 [65]	170 [77]	152 [69]	132 [60]
3 [80]	60 [27]	184 [83]	154 [70]	190 [86]	142 [64]	112 [51]
4 [100]	98 [44]	278 [126]	260 [118]	288 [131]	274 [124]	182 [83]
6 [150]	175 [79]	459 [208]	431 [196]	475 [215]	449 [204]	293 [133]
8 [200]	377 [171]	829 [376]	795 [361]	853 [387]	805 [365]	551 [250]
10 [250]	407 [185]	1167 [529]	1101 [499]	1225 [556]	1159 [526]	795 [361]
12 [300]	466 [211]	1512 [686]	1432 [650]	1627 [738]	1547 [702]	N/A

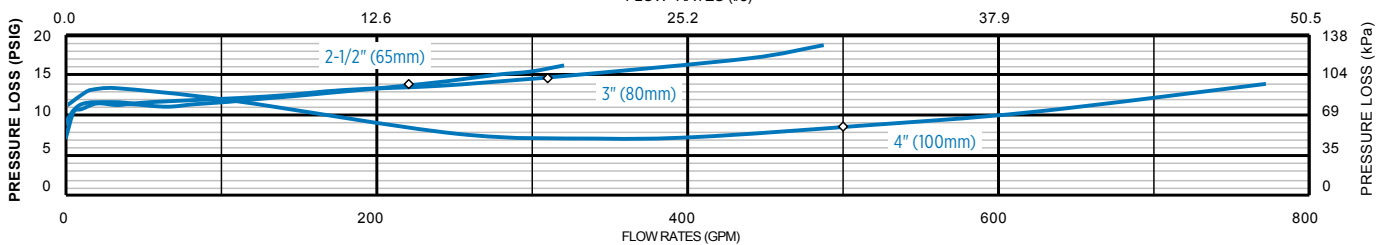


375OSYG option

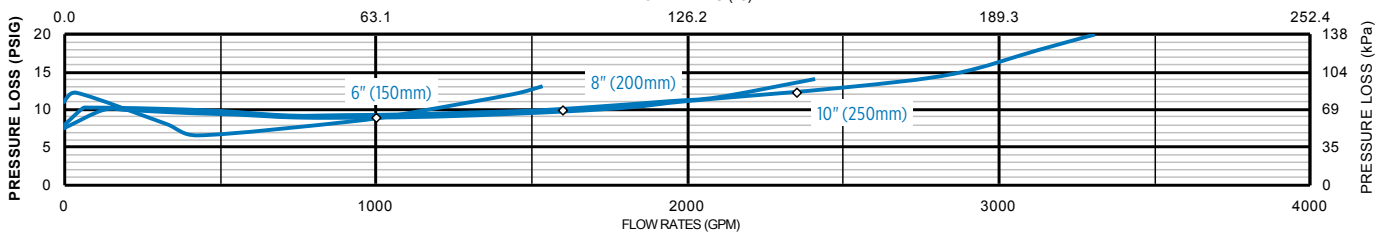
375 SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])											
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E NRS GATE	E WITH BUTTERFLY VALVES	F	G	H
2-1/2 [65]	31 [787]	28 [711]	15-7/8 [403]	7-1/4 [184]	3-3/4 [95]	17-3/4 [451]	15-3/8 [391]	11-1/2 [292]	8-1/4 [210]	9-1/2 [241]	8-3/8 [213]	41-1/4 [1048]
3 [80]	32 [813]	28-1/2 [724]	15-7/8 [403]	7-1/4 [184]	3-3/4 [95]	20-1/4 [514]	17 [432]	12-3/4 [324]	8-1/2 [216]	9-1/2 [241]	8-3/8 [213]	42-3/4 [1086]
4 [100]	37-5/8 [956]	32-8/9 [835]	19-1/2 [495]	8 [203]	4-1/2 [114]	22-1/2 [572]	18-1/4 [464]	14-1/2 [368]	9 [229]	11 [279]	9-1/4 [235]	52-3/4 [1340]
6 [150]	44-3/4 [1137]	37-5/8 [956]	23-1/2 [597]	10 [254]	6 [152]	30-1/2 [775]	24-1/4 [616]	18 [457]	10-1/4 [260]	12-3/8 [314]	10-3/4 [273]	62-3/4 [1594]
8 [200]	60-3/4 [1543]	53-7/8 [1369]	37-3/4 [959]	11 [279]	10 [254]	37 [940]	28-1/2 [724]	21-1/8 [537]	12 [305]	15-3/8 [391]	16-3/4 [425]	85 [2159]
10 [250]	63-3/4 [1619]	57-7/8 [1470]	37-3/4 [959]	11 [279]	10 [254]	45-5/8 [1159]	34-3/4 [883]	24-3/4 [629]	13 [330]	15-3/8 [391]	16-3/4 [425]	93-1/4 [2369]
12 [300]	66-1/4 [1683]	N/A	38 [965]	12 [305]	10 [254]	53 [1346]	40-1/2 [1029]	28 [711]	N/A	15-3/8 [391]	16-3/4 [425]	100 [2539]

## Flow Curves

MODEL 375 2-1/2", 3" & 4" (STANDARD & METRIC)  
FLOW RATES (l/s)



MODEL 375 6", 8" & 10" (STANDARD & METRIC)  
FLOW RATES (l/s)



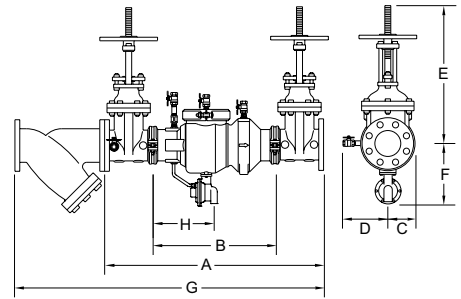
◇ Rated Flow (Established by approval agencies)



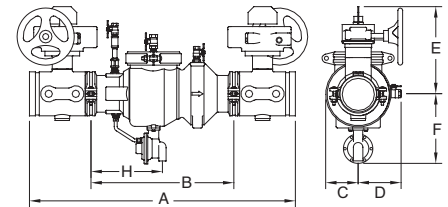
# Specifications - 375A Reduced Pressure Principle Assembly

## Weights and Dimensions

375A SIZE (IN. [MM])	WEIGHT (LBS. [KG])						
	WITHOUT GATES	WITH NRS GATES (GXF)	WITH OS&Y GATES (GXF)	WITH NRS GATES (GXG)	WITH OS&Y GATES (GXG)	WITH BUTTERFLY VALVES (GXG)	WITH BUTTERFLY VALVES (GXF)
2-1/2 [65]	97 [44]	191 [87]	199 [90]	183 [83]	191 [87]	139 [63]	149 [68]
3 [80]	96 [43.5]	211 [96]	217 [98]	201 [91]	207 [94]	141 [64]	154 [70]
4 [100]	83 [38]	227 [103]	237 [108]	201 [91]	211 [96]	131 [59]	153 [69]
6 [150]	136 [62]	356 [162]	372 [169]	326 [148]	342 [155]	210 [95]	240 [109]
8 [200]	305 [139]	757 [344]	781 [355]	757 [344]	757 [344]	449 [204]	495 [225]
10 [250]	358 [162]	985 [447]	1043 [473]	863 [391]	921 [418]	574 [260]	632 [287]



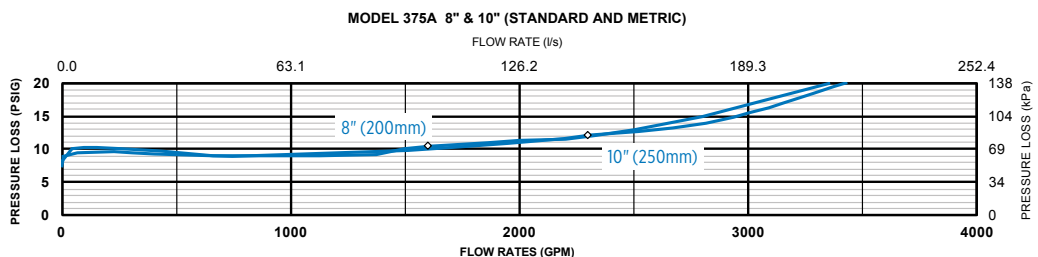
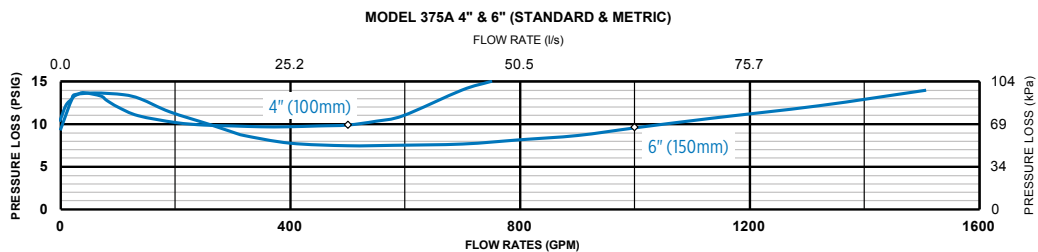
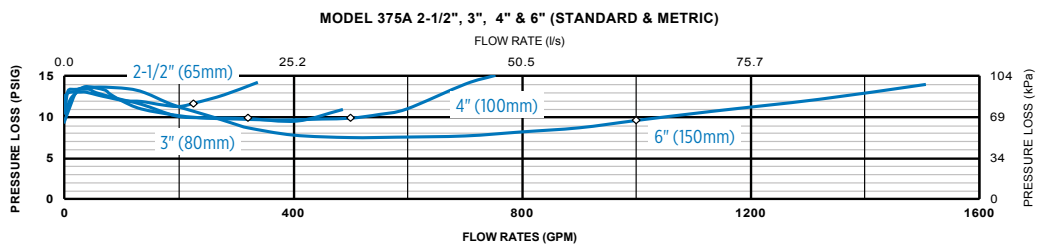
375A with OSY & FSC option



375A with BG option

375A SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])											
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E NRS GATE	E WITH BUTTERFLY VALVES	F	G	H
2-1/2 [65]	35-1/8 [892]	32-1/8 [816]	20-1/8 [511]	4-1/2 [114]	7-1/4 [184]	16-3/8 [416]	13-7/8 [352]	11-3/8 [289]	8-1/4 [210]	11 [279]	45-1/4 [1150]	9-5/8 [247]
3 [80]	36-1/8 [918]	33 [838]	20-1/8 [511]	4-1/2 [114]	7-1/4 [184]	18-7/8 [479]	15-5/8 [397]	12-3/8 [314]	8-1/2 [216]	11 [279]	46-7/8 [1191]	9-5/8 [247]
4 [100]	38-1/4 [972]	33-1/4 [845]	19-7/8 [505]	4-1/2 [114]	8 [203]	22-3/4 [578]	18-1/4 [464]	14-3/4 [375]	9 [229]	11 [279]	53-3/8 [1356]	9-5/8 [247]
6 [150]	47-1/4 [1200]	40-1/4 [1022]	25-7/8 [657]	5-1/2 [140]	10 [254]	30-1/8 [765]	23-3/4 [603]	19 [483]	10-1/4 [260]	12-3/8 [314]	65-3/8 [1661]	13 [330]
8 [200]	62 [1575]	55 [1397]	38-1/2 [978]	10 [254]	11 [279]	37-3/4 [959]	29-1/4 [743]	22-1/2 [572]	12 [305]	15-3/8 [391]	86-3/8 [2194]	17-5/16 [440]
10 [250]	64-5/8 [1641]	58-1/2 [1485]	38-1/2 [978]	10 [254]	12 [305]	45-3/4 [1162]	35-3/8 [899]	26-1/2 [673]	13 [330]	15-3/8 [391]	94-3/8 [2398]	17-1/8 [435]

## Flow Curves



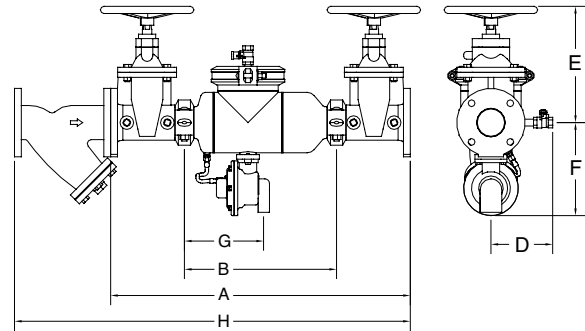
◇ Rated Flow (Established by approval agencies)

# Specifications - 375AST

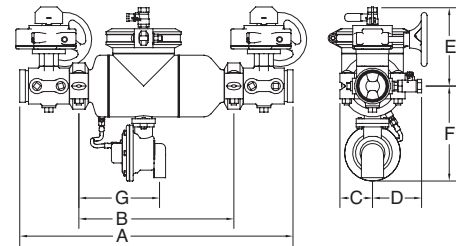
## Stainless Steel Reduced Pressure Principle Assembly

### Weights and Dimensions

375AST SIZE (IN. [MM])	WEIGHT (LBS. [KG])						
	WITHOUT GATES	WITH NRS GATES (GXF)	WITH OS&Y GATES (GXF)	WITH NRS GATES (GXG)	WITH OS&Y GATES (GXG)	WITH BUTTERFLY VALVES (GXG)	WITH BUTTERFLY VALVES (GXF)
2-1/2 [65]	41 [19]	102 [46]	120 [54]	92 [42]	110 [50]	87 [39]	97 [44]
3 [80]	42 [19]	119 [54]	137 [62]	107 [49]	125 [57]	91 [41]	104 [47]
4 [100]	43 [20]	176 [80]	212 [96]	156 [71]	192 [87]	95 [43]	117 [53]
6 [150]	71 [32]	288 [130]	346 [157]	258 [117]	316 [143]	158 [71]	188 [85]
8 [200]	177 [80]	579 [263]	661 [300]	539 [244]	607 [275]	361 [164]	407 [185]
10 [250]	177 [80]	784 [356]	880 [399]	732 [332]	822 [373]	458 [208]	516 [234]



375AST with NRS & FSC option

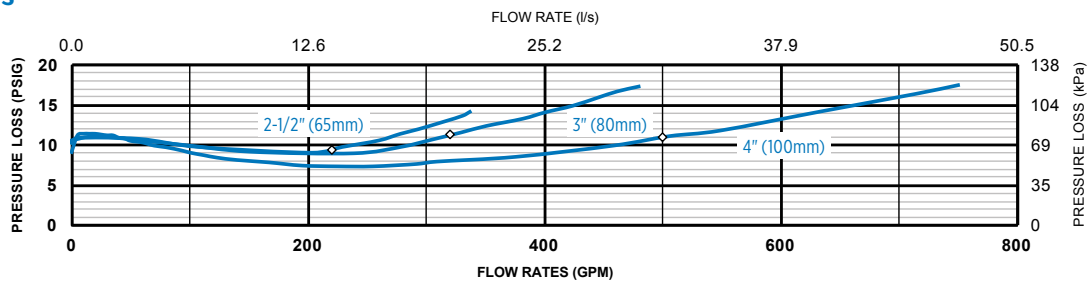


375AST with BG option

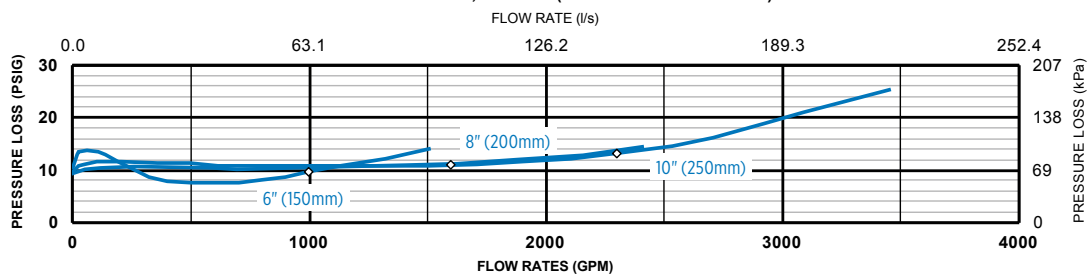
375AST SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])											
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E NRS GATE	E OS&Y OPEN	E OS&Y CLOSED	E WITH BUTTERFLY VALVES	F	G	H
2-1/2 [65]	31-7/8 [810]	28-3/4 [730]	16-5/8 [422]	4-1/2 [114]	7-1/4 [184]	11-1/2 [292]	17-3/4 [451]	15-3/8 [391]	8-1/4 [210]	9-3/4 [248]	8-5/8 [219]	42 [1067]
3 [80]	32-7/8 [835]	29-3/8 [746]	16-5/8 [422]	4-1/2 [114]	7-1/4 [184]	12-3/4 [324]	20-1/4 [514]	17 [432]	8-1/4 [210]	9-3/4 [248]	8-5/8 [219]	43-1/2 [1105]
4 [100]	34-7/8 [886]	30-1/4 [768]	16-5/8 [422]	4-1/2 [114]	8 [203]	14-1/2 [368]	22-1/2 [572]	18-1/4 [464]	9 [229]	9-3/4 [248]	8-5/8 [219]	50 [1270]
6 [150]	43-1/2 [1105]	36-1/2 [927]	22-1/4 [565]	5-1/2 [140]	10 [254]	18 [457]	30-1/2 [775]	24-1/4 [616]	10-1/4 [260]	10-3/4 [273]	11-1/4 [286]	61-5/8 [1565]
8 [200]	52-3/4 [1340]	45-3/4 [1162]	29-1/2 [749]	9-1/4 [235]	11 [279]	21-1/8 [537]	37 [940]	28-1/2 [724]	18-1/2 [470]	15-5/8 [397]	13-1/4 [337]	77-1/8 [1959]
10 [250]	55-3/4 [1416]	49-3/4 [1264]	29-1/2 [749]	9-1/4 [235]	12 [305]	24-3/4 [629]	45-5/8 [1159]	34-3/4 [883]	18-1/2 [470]	15-5/8 [397]	13-1/2 [343]	85-3/8 [2169]

### Flow Curves

MODEL 375AST 2-1/2", 3" & 4" (STANDARD & METRIC)



MODEL 375AST 6", 8" & 10" (STANDARD AND METRIC)

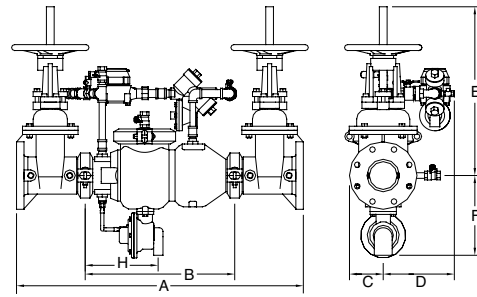


◇ Rated Flow (Established by approval agencies)

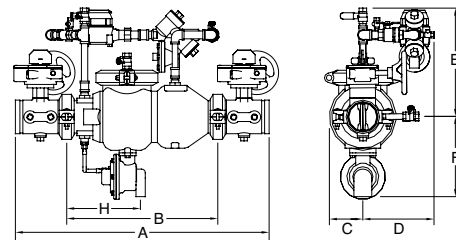
# Specifications - 375ADA Reduced Pressure Detector Assembly

## Weights and Dimensions

375ADA SIZE (IN. [MM])	WEIGHT (LBS. [KG])				
	WITHOUT GATES	WITH OS&Y GATES (GXF)	WITH OS&Y GATES (GXG)	WITH BUTTERFLY VALVES (GXG)	WITH BUTTERFLY VALVES (GXF)
2-1/2 [65]	112 [50.8]	214 [97]	206 [93.5]	154 [70]	164 [74]
3 [80]	111 [50]	231 [104.8]	221 [100.3]	156 [71]	169 [77]
4 [100]	98 [45]	252 [114]	226 [103]	146 [66]	168 [76]
6 [150]	151 [69]	387 [176]	357 [162]	225 [102]	255 [116]
8 [200]	321 [146]	797 [362]	773 [351]	465 [211]	511 [232]
10 [250]	374 [170]	1059 [480]	937 [425]	590 [268]	648 [294]



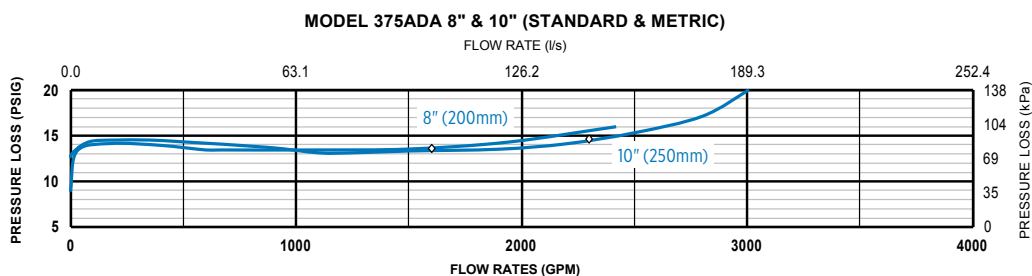
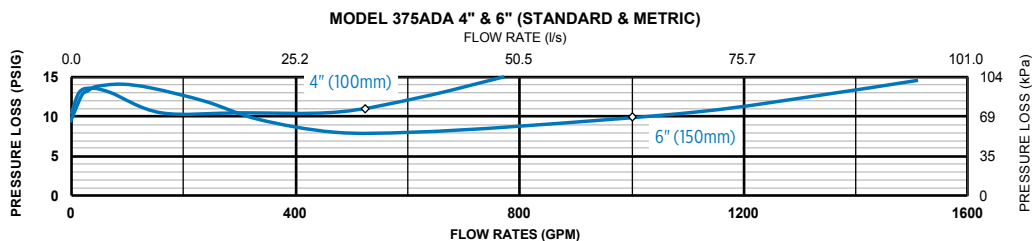
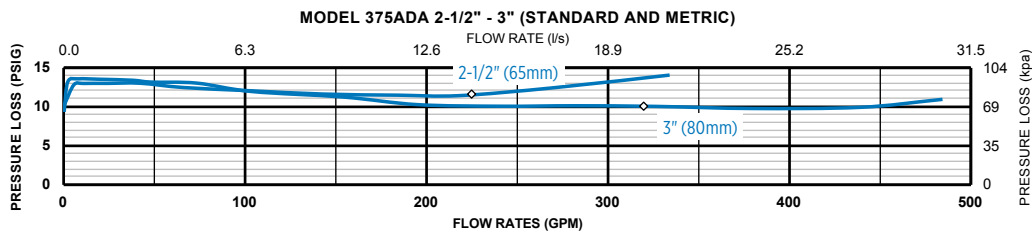
375ADA with standard OS&Y



375ADA with BG option

375ADA SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])									
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E WITH BUTTERFLY VALVES	F	H
2-1/2 [65]	35-1/8 [892]	32-1/8 [816]	20-1/8 [511]	4-1/2 [114]	9 [229]	16-3/8 [416]	13-7/8 [352]	8-1/4 [210]	11 [279]	9-5/8 [247]
3 [80]	36-1/8 [918]	33 [838]	20-1/8 [511]	4-1/2 [114]	9 [229]	18-7/8 [479]	15-5/8 [397]	8-1/2 [216]	11 [279]	9-5/8 [247]
4 [100]	38-1/4 [972]	33-1/4 [845]	19-7/8 [505]	4-1/2 [114]	9 [229]	22-3/4 [578]	18-1/4 [464]	9 [229]	11 [279]	9-5/8 [247]
6 [150]	47-1/4 [1200]	40-1/4 [1022]	25-7/8 [657]	5-1/2 [140]	10-1/2 [267]	30-1/8 [765]	23-3/4 [603]	10-1/4 [260]	12-3/8 [314]	13 [330]
8 [200]	62 [1575]	55 [1397]	38-1/2 [978]	10 [254]	12 [305]	37-3/4 [959]	29-1/4 [743]	12 [305]	15-3/8 [391]	17-5/16 [440]
10 [250]	64-5/8 [1642]	59 [1499]	38-1/2 [978]	10 [254]	12 [305]	45-3/4 [1162]	35-3/8 [899]	13 [330]	15-3/8 [391]	17-1/8 [435]

## Flow Curves



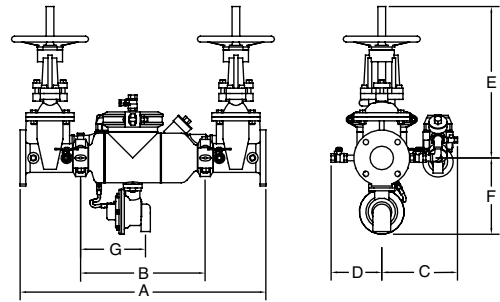
◇ Rated Flow (Established by approval agencies)

# Specifications - 375ASTDA

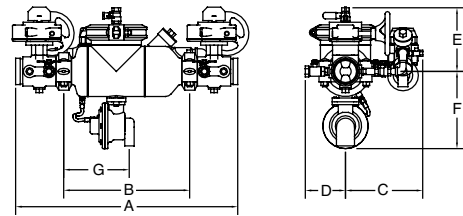
## Stainless Steel Reduced Pressure Detector Assembly

### Weights and Dimensions

375ASTDA SIZE (IN. [MM])	WEIGHT (LBS. [KG])			
	WITH OS&Y GATES (GXF)	WITH OS&Y GATES (GXG)	WITH BUTTERFLY VALVES (GXG)	WITH BUTTERFLY VALVES (GXF)
2-1/2 [65]	137 [62]	127 [58]	104 [47]	114 [52]
3 [80]	155 [71]	143 [65]	109 [50]	122 [56]
4 [100]	229 [104]	209 [95]	112 [51]	134 [61]
6 [150]	364 [166]	334 [152]	176 [80]	206 [94]
8 [200]	681 [309]	627 [284]	364 [165]	387 [176]
10 [250]	900 [408]	842 [382]	536 [243]	594 [269]



375ASTDA with standard OS&Y

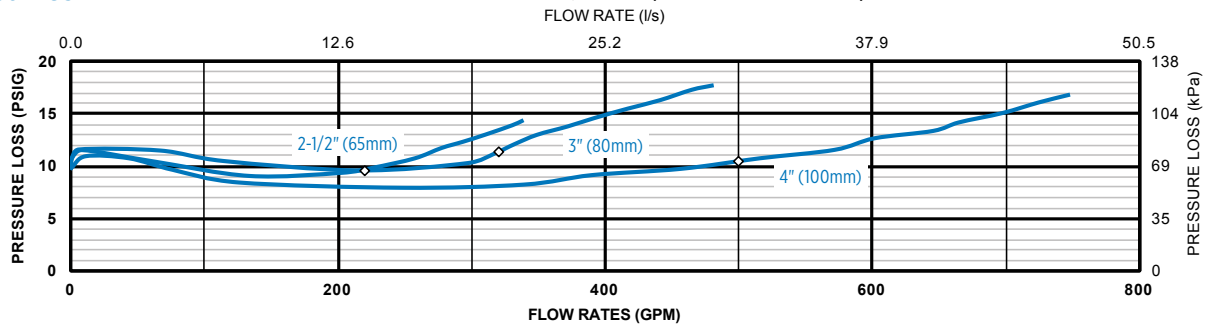


375ASTDA with BG option

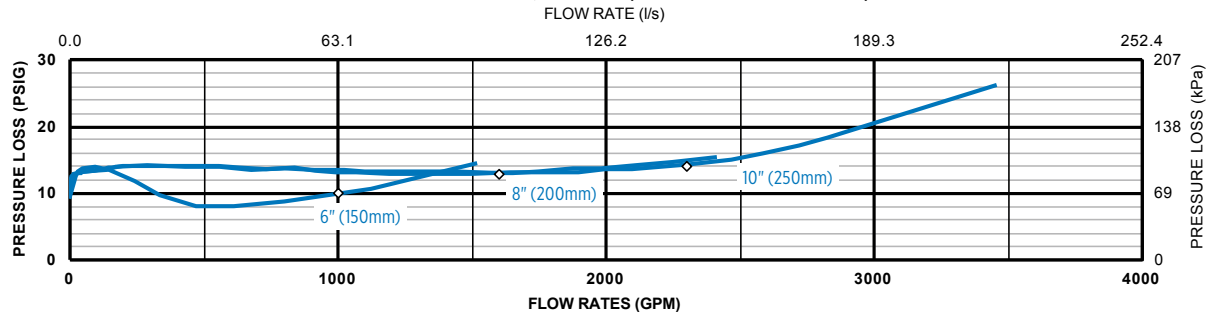
375ASTDA SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])									
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E WITH BUTTERFLY VALVES	F	G
2-1/2 [65]	31-7/8 [810]	28-3/4 [730]	N/A	12 [305]	7-1/4 [184]	17-3/4 [451]	15-3/8 [391]	8-1/4 [210]	9-3/4 [248]	8-5/8 [219]
3 [80]	32-7/8 [835]	29-3/8 [746]	N/A	12 [305]	7-1/4 [184]	20-1/4 [514]	17 [432]	8-1/4 [210]	9-3/4 [248]	8-5/8 [219]
4 [100]	34-7/8 [886]	30-1/4 [768]	N/A	12 [305]	8 [203]	22-1/2 [572]	18-1/4 [464]	9 [229]	9-3/4 [248]	8-5/8 [219]
6 [150]	43-1/2 [1105]	36-1/2 [927]	N/A	10-1/2 [267]	10 [254]	30-1/2 [775]	24-1/4 [616]	10-1/4 [260]	10-3/4 [273]	11-1/4 [286]
8 [200]	52-3/4 [1340]	45-3/4 [1162]	N/A	15-1/8 [384]	11 [279]	37 [940]	28-1/2 [724]	18-1/2 [470]	15-5/8 [397]	13-1/4 [337]
10 [250]	55-3/4 [1416]	49-3/4 [1264]	N/A	15-1/8 [384]	12 [305]	45-5/8 [1159]	34-3/4 [883]	18-1/2 [470]	15-5/8 [397]	13-1/4 [337]

### Flow Curves

#### MODEL 375ASTDA 2-1/2", 3" & 4" (STANDARD & METRIC)



#### MODEL 375ASTDA 6", 8" & 10" (STANDARD AND METRIC)

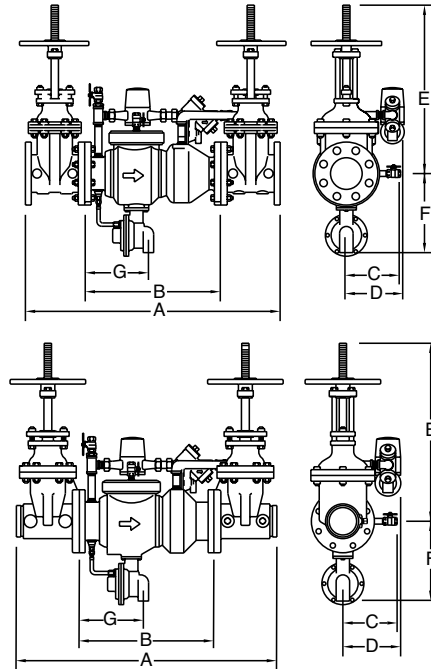


◇ Rated Flow (Established by approval agencies)

# Specifications - 375DA Reduced Pressure Detector Assembly

## Weights and Dimensions

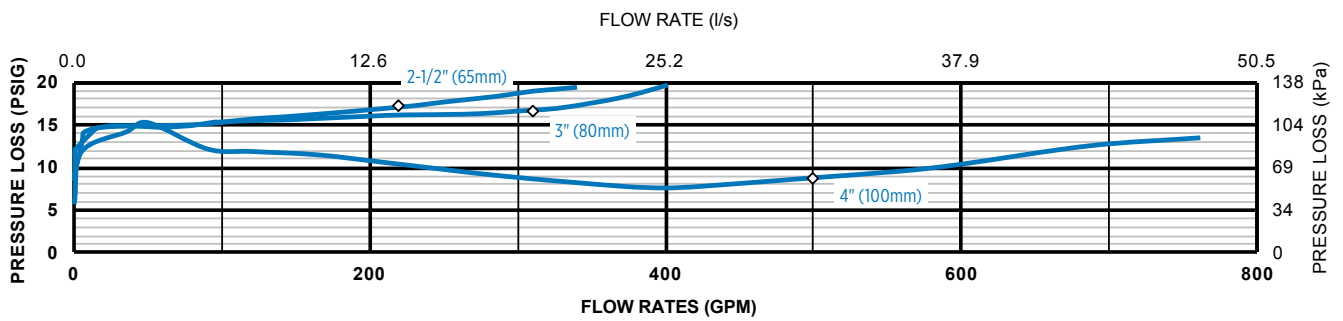
375DA SIZE (IN. [MM])	WEIGHT (LBS. [KG])			
	LESS SHUTOFF VALVES	OS&Y GATE VALVES FLANGED	OS&Y GATE VALVES GROOVED	BUTTERFLY VALVES GROOVED
2-1/2 [65]	75 [34]	185 [84]	167 [76]	147 [67]
3 [80]	78 [35]	208 [94]	160 [73]	130 [59]
4 [100]	116 [53]	306 [139]	292 [132]	200 [91]
6 [150]	194 [88]	494 [224]	468 [212]	312 [142]
8 [200]	382 [173]	858 [389]	810 [367]	556 [252]
10 [250]	412 [187]	1230 [558]	1164 [528]	800 [363]



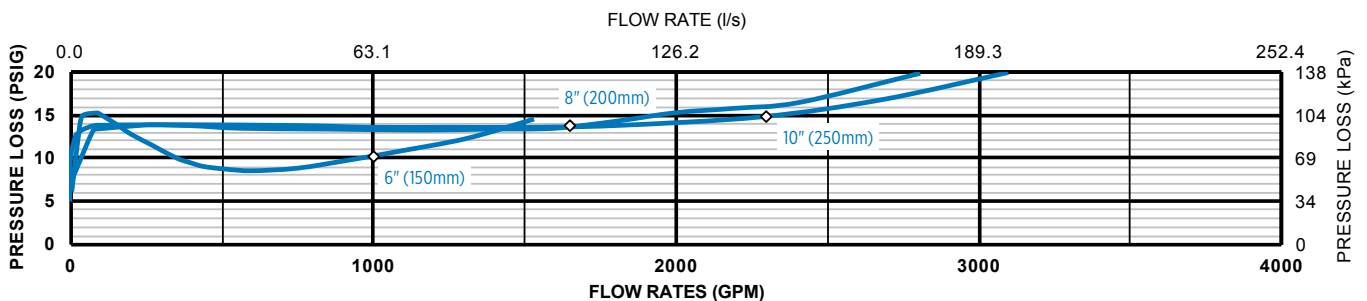
375DA SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])									
	A	A WITH BUTTERFLY VALVES	B LESS GATE VALVES	C	D	E OS&Y OPEN	E OS&Y CLOSED	E WITH BUTTERFLY VALVES	F	G
2-1/2 [65]	31 [787]	28 [711]	15-7/8 [403]	7-1/4 [184]	9 [229]	17-3/4 [451]	15-3/8 [391]	8-1/4 [210]	9-1/2 [241]	8-3/8 [213]
3 [80]	32 [813]	28-1/2 [724]	15-7/8 [403]	7-1/4 [184]	9 [229]	20-1/4 [514]	17 [432]	8-1/2 [216]	9-1/2 [241]	8-3/8 [213]
4 [100]	37-5/8 [956]	32-8/9 [835]	19-1/2 [495]	8 [203]	9 [229]	22-1/2 [572]	18-1/4 [464]	9 [229]	11 [279]	9-1/4 [235]
6 [150]	44-3/4 [1137]	37-5/8 [956]	23-1/2 [597]	10 [254]	10-1/2 [267]	30-1/2 [775]	24-1/4 [616]	10-1/4 [260]	12-3/8 [314]	9-1/4 [235]
8 [200]	60-3/4 [1543]	53-7/8 [1369]	37-3/4 [959]	11 [279]	15-1/2 [394]	37 [940]	28-1/2 [724]	12 [305]	15-3/8 [391]	16-3/4 [426]
10 [250]	63-3/4 [1619]	57-7/8 [1470]	37-3/4 [959]	11 [279]	15-1/2 [394]	45-5/8 [1159]	34-3/4 [883]	13 [330]	15-3/8 [391]	16-3/4 [426]

## Flow Curves

### MODEL 375DA 2-1/2", 3" & 4" (STANDARD & METRIC)



### MODEL 375DA 6", 8" & 10" (STANDARD & METRIC)

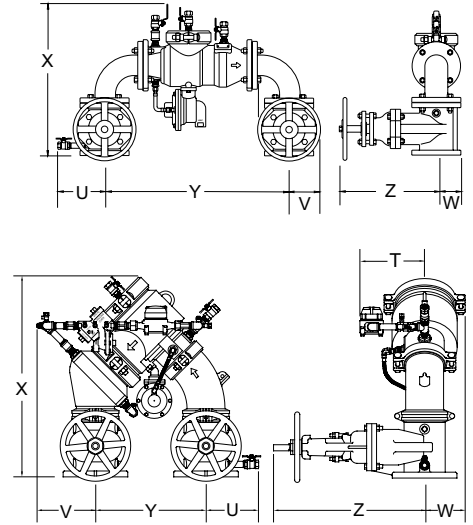


◇ Rated Flow (Established by approval agencies)

# Specifications - 475 Reduced Pressure Principle Assembly

## Weights and Dimensions

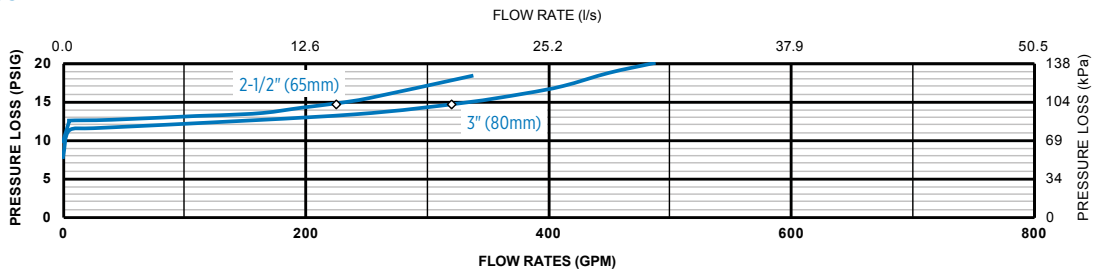
475 & 475V SIZE (IN. [MM])	WEIGHT (LBS. [KG])						
	LESS SHUTOFF VALVES	WITH NRS GATE (FLG)	WITH NRS GATE (GRV)	WITH OS&Y GATES (FLG)	WITH OS&Y GATES (GRV)	WITH BFLY VALVES (FLG)	WITH BFLY VALVES (GRV)
2-1/2 [65]	87 [39]	196 [89]	178 [81]	205 [93]	187 [85]	-	149 [68]
3 [80]	112 [51]	234 [106]	204 [93]	240 [109]	192 [87]	-	185 [84]
4 [100]	97 [44]	277 [126]	257 [117]	287 [130]	263 [119]	167 [76]	145 [66]
6 [150]	171 [78]	455 [206]	425 [193]	471 [214]	449 [204]	275 [125]	245 [111]
8 [200]	405 [184]	857 [389]	659 [299]	881 [400]	827 [375]	595 [270]	549 [249]
10 [250]	423 [192]	1051 [477]	999 [453]	1097 [498]	1039 [471]	697 [316]	639 [290]



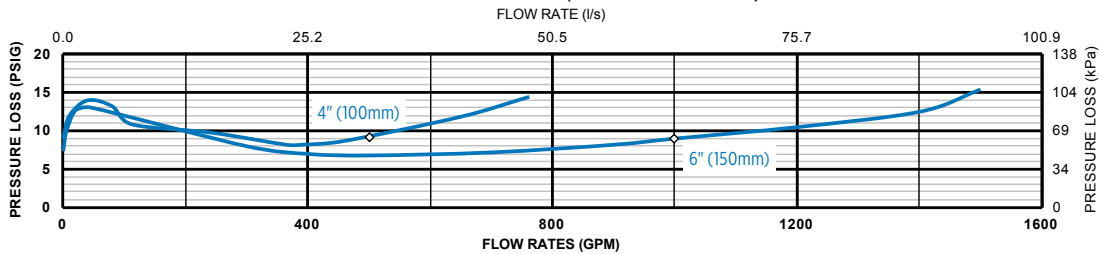
475 SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])										
	U	V	X	X WITH BUTTERFLY VALVES	Y	Z OS&Y OPEN	Z OS&Y CLOSED	Z NRS GATES	Z WITH BUTTERFLY GATES	T	W
2-1/2 [65]	7 [178]	4 [102]	22-1/4 [565]	N/A	26-1/4 [667]	17-3/4 [451]	15-3/8 [391]	11-1/2 [292]	N/A	10 [254]	4-1/2 [114]
3 [80]	8 [203]	5 [127]	23-1/4 [591]	N/A	27-1/4 [692]	20-1/4 [514]	17 [432]	12-3/4 [324]	N/A	10 [254]	4-1/2 [114]
4 [100]	8 [203]	11 [279]	31 [787]	28-3/4 [730]	18-5/16 [465]	22-3/4 [578]	18-1/4 [464]	14-3/4 [375]	8-1/2 [216]	10-1/2 [267]	5 [127]
6 [150]	10 [254]	11 [279]	35-1/2 [902]	32 [815]	18-11/16 [475]	30-1/2 [775]	24-1/4 [616]	19 [483]	10-1/2 [267]	11 [279]	7 [178]
8 [200]	11 [279]	10 [254]	46 [1168]	42-1/2 [1078]	29 [737]	37-3/4 [959]	29-1/4 [743]	22-1/2 [572]	13 [330]	12 [305]	10 [254]
10 [250]	12 [305]	10 [254]	48 [1219]	45 [1143]	29 [737]	45-3/4 [1162]	35-3/8 [899]	26-1/2 [673]	16 [406]	12 [305]	10 [254]

## Flow Curves

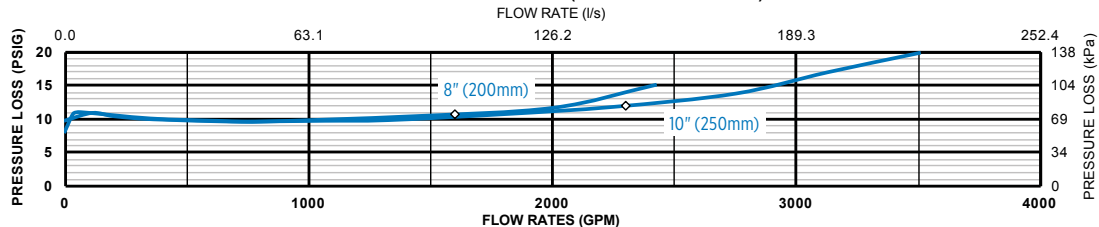
MODEL 475 & 475V 2-1/2" & 3" (STANDARD & METRIC)



MODEL 475 & 475V 4" & 6" (STANDARD & METRIC)



MODEL 475 & 475V 8" & 10" (STANDARD & METRIC)

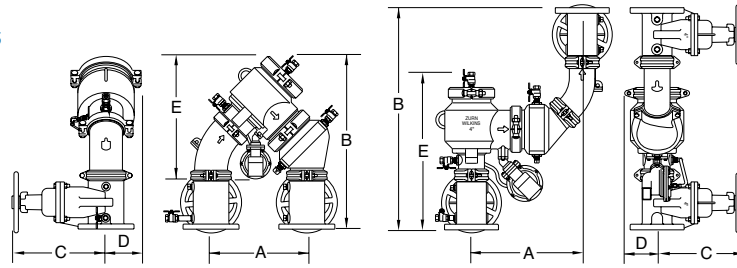


◇ Rated Flow (Established by approval agencies)



# Specifications - 475V Reduced Pressure Principle Assembly

## Weights and Dimensions

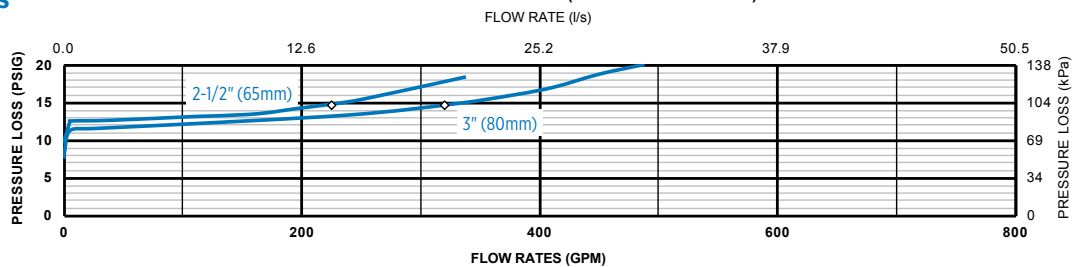


475 & 475V SIZE (IN. [MM])	WEIGHT (LBS. [KG])						
	LESS SHUTOFF VALVES	WITH NRS GATE (FLG)	WITH NRS GATE (GRV)	WITH OS&Y GATES (FLG)	WITH OS&Y GATES (GRV)	WITH BFLY VALVES (FLG)	WITH BFLY VALVES (GRV)
2-1/2 [65]	87 [39]	196 [89]	178 [81]	205 [93]	187 [85]	-	149 [68]
3 [80]	112 [51]	234 [106]	204 [93]	240 [109]	192 [87]	-	185 [84]
4 [100]	97 [44]	277 [126]	257 [117]	287 [130]	263 [119]	167 [76]	145 [66]
6 [150]	171 [78]	455 [206]	425 [193]	471 [214]	449 [204]	275 [125]	245 [111]
8 [200]	405 [184]	857 [389]	659 [299]	881 [400]	827 [375]	595 [270]	549 [249]
10 [250]	423 [192]	1051 [477]	999 [453]	1097 [498]	1039 [471]	697 [316]	639 [290]

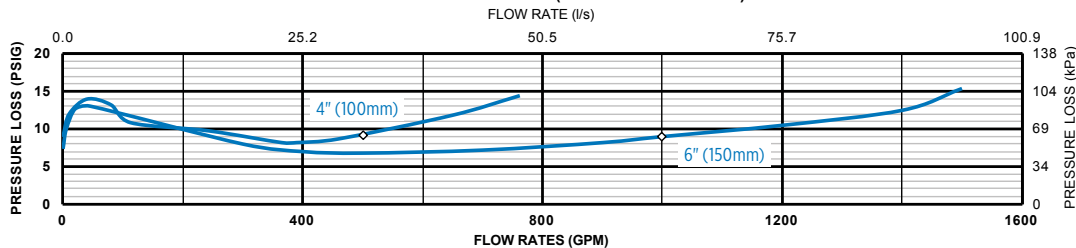
475 & 475V SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])										
	A	B WITH GATE VALVES	B WITH BUTTERFLY VALVES	B LESS GATE VALVES	C OS&Y OPEN	C OS&Y CLOSED	C NRS GATES	C WITH BUTTERFLY VALVES	D	E	E WITH BUTTERFLY VALVES
4 [100] 475	18-15/16 [481]	30 [762]	27-5/8 [702]	21 [533]	22-3/4 [578]	18-1/4 [464]	14-3/4 [375]	9-1/8 [232]	5 [127]	23-1/4 [591]	23-1/4 [591]
4 [100] 475V	18-15/16 [481]	36-1/2 [907]	31-3/4 [807]	18-1/2 [470]	22-3/4 [578]	18-1/4 [464]	14-3/4 [375]	9-1/8 [232]	5 [127]	21 [533]	18-5/8 [473]
6 [150] 475	18-11/16 [475]	35-1/2 [902]	32 [813]	25 [635]	30-1/8 [765]	23-3/4 [603]	19 [483]	10-1/8 [257]	6 [152]	26 [660]	26 [660]
6 [150] 475V	21 [533]	42 [1607]	35 [889]	21 [533]	30-1/8 [765]	23-3/4 [603]	19 [483]	10-1/8 [257]	6 [152]	22 [559]	18-1/2 [470]
8 [200] 475	29 [737]	46 [1168]	42-7/16 [1078]	34-7/16 [875]	37-3/4 [959]	29-1/4 [743]	22-1/2 [572]	12 [305]	10 [254]	33-1/4 [845]	33-1/4 [845]
8 [200] 475V	30-5/16 [770]	53-1/2 [1359]	46-5/16 [1176]	30-5/16 [770]	37-3/4 [959]	29-1/4 [743]	22-1/2 [572]	12 [305]	10 [254]	37-7/8 [962]	34-3/8 [873]
10 [250] 475	29 [737]	47-1/2 [1207]	44-7/16 [1129]	34-7/16 [875]	45-3/4 [1162]	35-3/8 [899]	26-1/2 [673]	13 [330]	10 [254]	33-1/4 [845]	33-1/4 [845]
10 [250] 475V	30-5/16 [770]	56-1/2 [1435]	50-5/16 [1278]	30-5/16 [770]	45-3/4 [1162]	35-3/8 [899]	26-1/2 [673]	13 [330]	10 [254]	39-3/8 [1000]	34-3/8 [873]

## Flow Curves

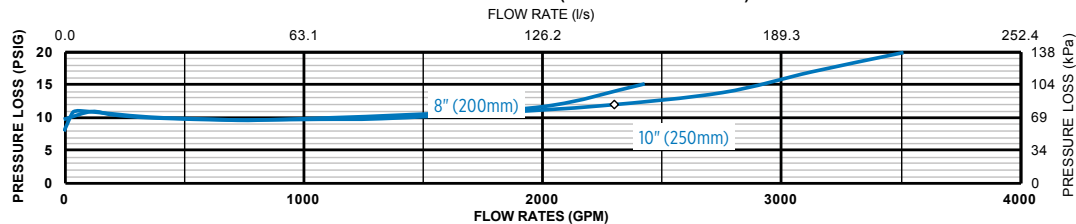
MODEL 475 & 475V 2-1/2" & 3" (STANDARD & METRIC)



MODEL 475 & 475V 4" & 6" (STANDARD & METRIC)



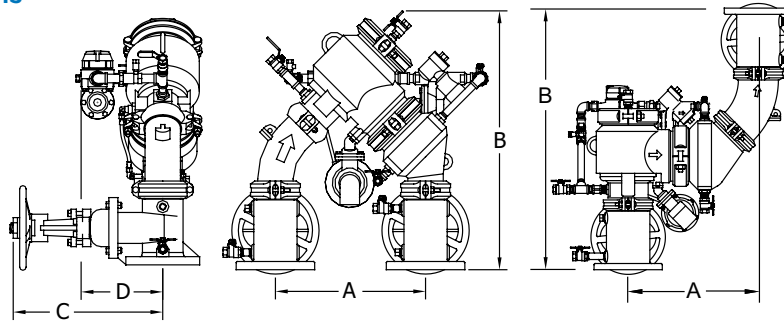
MODEL 475 & 475V 8" & 10" (STANDARD & METRIC)



◇ Rated Flow (Established by approval agencies)

# Specifications - 475DA Reduced Pressure Detector Assembly

## Weights and Dimensions

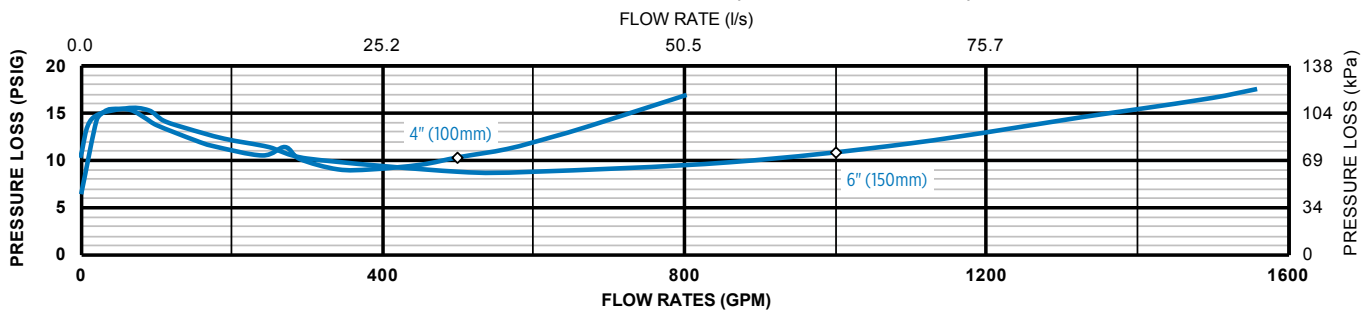


475DA & 475DAV SIZE (IN. [MM])	WEIGHT (LBS. [KG])				
	LESS SHUTOFF VALVES	WITH OS&Y GATES (GXF)	WITH OS&Y GATES (GXG)	WITH BFLY VALVES (GXF)	WITH BFLY VALVES (GXG)
4 [100]	113 [51]	303 [137]	279 [127]	183 [83]	161 [73]
6 [150]	187 [85]	487 [221]	465 [211]	291 [132]	261 [118]
8 [200]	421 [191]	897 [407]	843 [382]	611 [277]	565 [256]
10 [250]	439 [199]	1113 [505]	1055 [479]	713 [323]	655 [297]

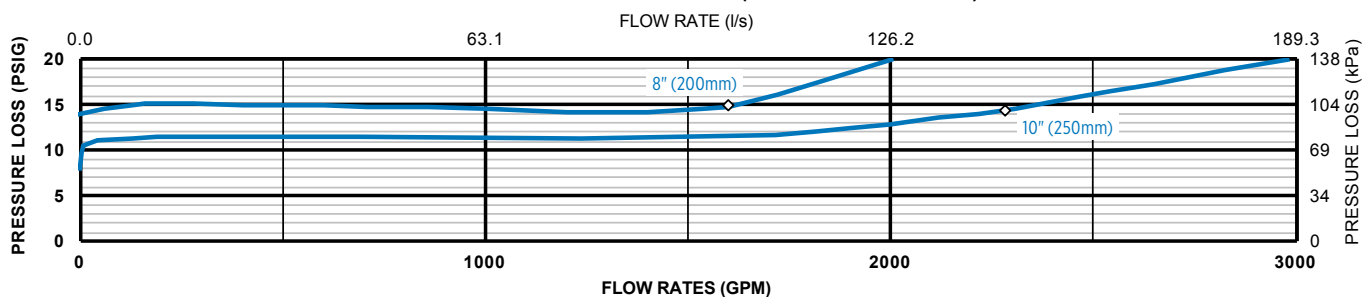
475DA & 475DAV SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])							
	A	B WITH GATE VALVES	B WITH BFLY VALVES	B LESS GATE VALVES	C OS&Y OPEN	C OS&Y CLOSED	C WITH BFLY VALVES	D
4 [100] 475DA	18-5/16 [465]	30 [762]	27-3/4 [705]	21 [533]	22-3/4 [578]	18-1/4 [464]	9 [229]	8 [203]
4 [100] 475DAV	18-7/8 [479]	36-1/2 [927]	32 [813]	18-1/2 [470]	22-3/4 [578]	18-1/4 [464]	9 [229]	8 [203]
6 [150] 475DA	18-11/16 [475]	35-1/2 [902]	32-1/8 [816]	25 [635]	30-1/8 [765]	23-3/4 [603]	10-1/4 [260]	10 [254]
6 [150] 475DAV	21 [533]	42 [1067]	35-1/4 [895]	21 [533]	30-1/8 [765]	23-3/4 [603]	10-1/4 [260]	10 [254]
8 [200] 475DA	29 [737]	46 [1168]	42-9/16 [1081]	34-7/16 [875]	37-3/4 [959]	29-1/4 [743]	12 [305]	13 [330]
8 [200] 475DAV	30-5/16 [770]	53-1/2 [1359]	46-9/16 [1183]	30-5/16 [770]	37-3/4 [959]	29-1/4 [743]	12 [305]	13 [330]
10 [250] 475DA	29 [737]	47-1/2 [1207]	44-7/16 [1129]	34-7/16 [875]	45-3/4 [1162]	35-3/8 [899]	13 [330]	13 [330]
10 [250] 475DAV	30-5/16 [770]	56-1/2 [1435]	50-5/16 [1278]	30-5/16 [770]	45-3/4 [1162]	35-3/8 [899]	13 [330]	13 [330]

## Flow Curves

MODEL 475DA & 475DAV 4" & 6" (STANDARD & METRIC)



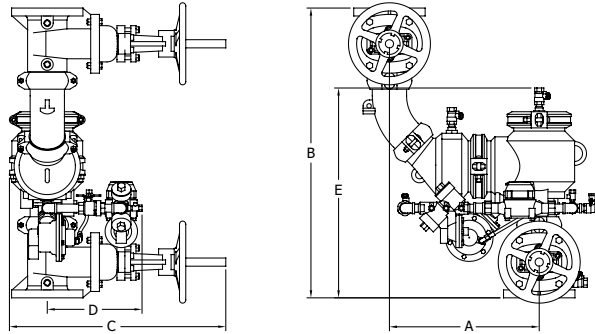
MODEL 475DA & 475DAV 8" & 10" (STANDARD & METRIC)



◇ Rated Flow (Established by approval agencies)

# Specifications - 475DAV Reduced Pressure Detector Assembly

## Weights and Dimensions

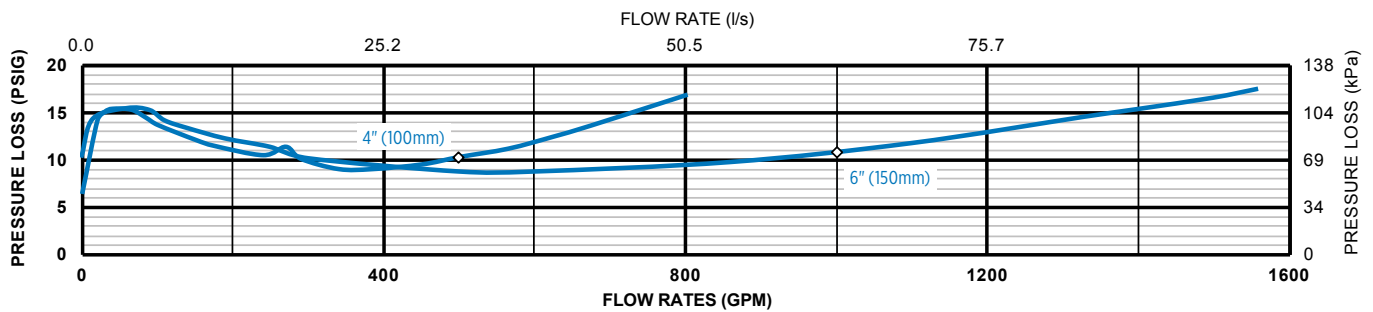


475DA & 475DAV SIZE (IN. [MM])	WEIGHT (LBS. [KG])				
	LESS SHUTOFF VALVES	WITH OS&Y GATES (GXF)	WITH OS&Y GATES (GXG)	WITH BFLY VALVES (GXF)	WITH BFLY VALVES (GXG)
4 [100]	113 [51]	303 [137]	279 [127]	183 [83]	161 [73]
6 [150]	187 [85]	487 [221]	465 [211]	291 [132]	261 [118]
8 [200]	421 [191]	897 [407]	843 [382]	611 [277]	565 [256]
10 [250]	439 [199]	1113 [505]	1055 [479]	713 [323]	655 [297]

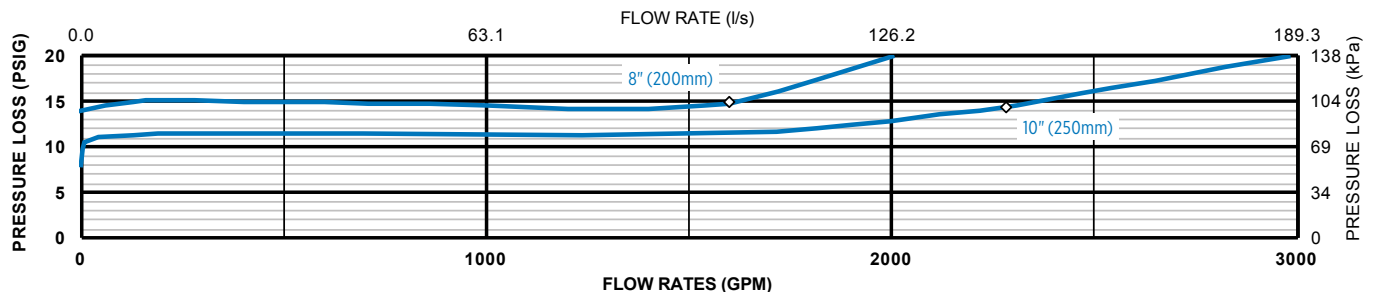
475DA & 475DAV SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])							
	A	B WITH GATE VALVES	B WITH BFLY VALVES	B LESS GATE VALVES	C OS&Y OPEN	C OS&Y CLOSED	C WITH BFLY VALVES	D
4 [100] 475DA	18-5/16 [465]	30 [762]	27-3/4 [705]	21 [533]	22-3/4 [578]	18-1/4 [464]	9 [229]	8 [203]
4 [100] 475DAV	18-7/8 [479]	36-1/2 [927]	32 [813]	18-1/2 [470]	22-3/4 [578]	18-1/4 [464]	9 [229]	8 [203]
6 [150] 475DA	18-11/16 [475]	35-1/2 [902]	32-1/8 [816]	25 [635]	30-1/8 [765]	23-3/4 [603]	10-1/4 [260]	10 [254]
6 [150] 475DAV	21 [533]	42 [1067]	35-1/4 [895]	21 [533]	30-1/8 [765]	23-3/4 [603]	10-1/4 [260]	10 [254]
8 [200] 475DA	29 [737]	46 [1168]	42-9/16 [1081]	34-7/16 [875]	37-3/4 [959]	29-1/4 [743]	12 [305]	13 [330]
8 [200] 475DAV	30-5/16 [770]	53-1/2 [1359]	46-9/16 [1183]	30-5/16 [770]	37-3/4 [959]	29-1/4 [743]	12 [305]	13 [330]
10 [250] 475DA	29 [737]	47-1/2 [1207]	44-7/16 [1129]	34-7/16 [875]	45-3/4 [1162]	35-3/8 [899]	13 [330]	13 [330]
10 [250] 475DAV	30-5/16 [770]	56-1/2 [1435]	50-5/16 [1278]	30-5/16 [770]	45-3/4 [1162]	35-3/8 [899]	13 [330]	13 [330]

## Flow Curves

MODEL 475DA & 475DAV 4" & 6" (STANDARD & METRIC)



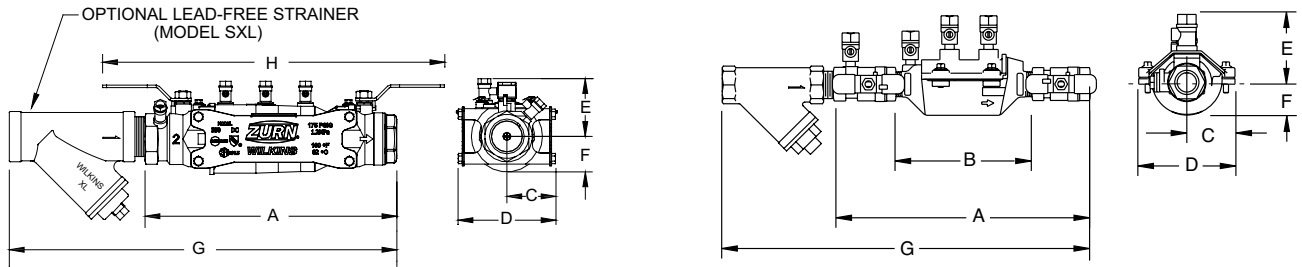
MODEL 475DA & 475DAV 8" & 10" (STANDARD & METRIC)



◇ Rated Flow (Established by approval agencies)

# Specifications - 350 Small Diameter Double Check Assembly

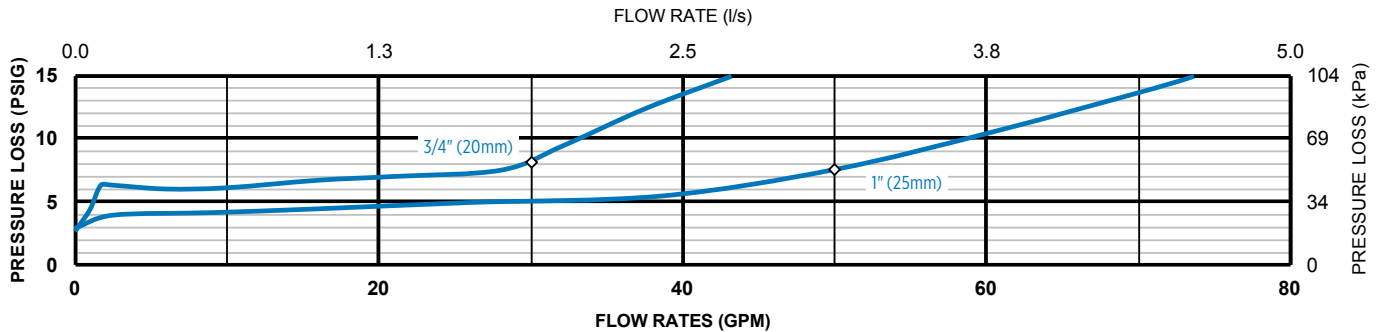
## Weights and Dimensions



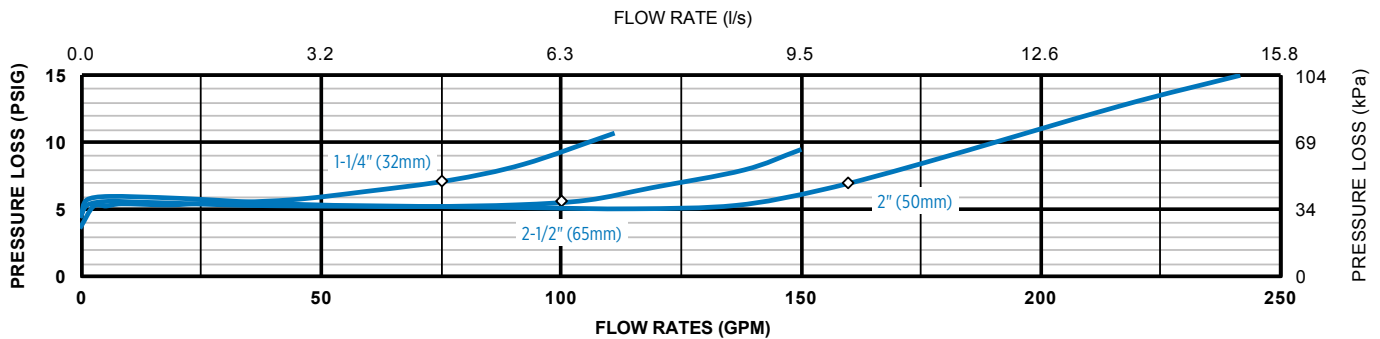
350XL SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])								WEIGHT (LBS. [KG])	
	A	B LESS BALL VALVES	C	D	E	F	G	H	LESS BALL VALVES	WITH BALL VALVES
3/4 [20]	11 [279]	6-5/8 [168]	1-7/8 [48]	3-3/4 [95]	3 [76]	1-1/4 [32]	15-1/8 [384]	11-7/16 [291]	2.3 [1.0]	4.3 [2.0]
1 [25]	12-1/4 [311]	7 [178]	2-1/16 [52]	4-1/8 [105]	3-1/4 [83]	1-3/4 [45]	17 [431]	12-5/16 [313]	3.0 [1.4]	6.0 [2.7]
1-1/4 [32]	14-7/8 [378]	14-3/8 [367]	3-1/8 [80]	6-1/4 [159]	3-3/4 [95]	2-1/4 [57]	20-1/2 [521]	18-1/2 [470]	17.2 [7.8]	19 [8.6]
1-1/2 [40]	15-1/4 [387]	14-3/8 [367]	3-1/8 [80]	6-1/4 [159]	3-3/4 [95]	2-1/4 [57]	22 [559]	20-1/4 [514]	17 [7.7]	20 [9.1]
2 [50]	16 [406]	14-3/8 [367]	3-1/8 [80]	6-1/4 [159]	3-3/4 [95]	2-1/4 [57]	24 [609]	20-3/4 [527]	18 [8.2]	22 [10]

## Flow Curves

### MODEL 350 3/4" & 1" (STANDARD & METRIC)



### MODEL 350 1-1/4", 1-1/2" & 2" (STANDARD & METRIC)

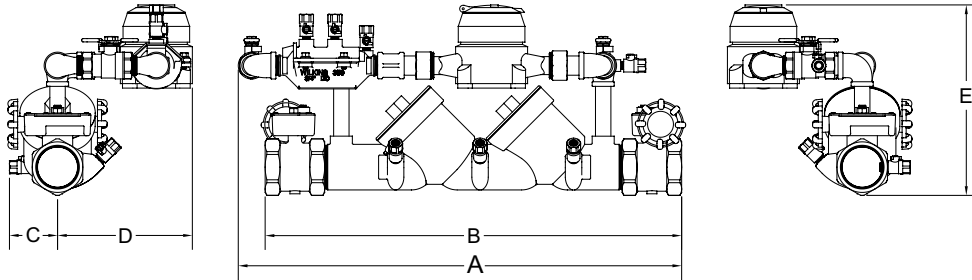


◇ Rated Flow (Established by approval agencies)

# Specifications - 950XLT DABF

## Small Diameter Double Check Detector Assembly

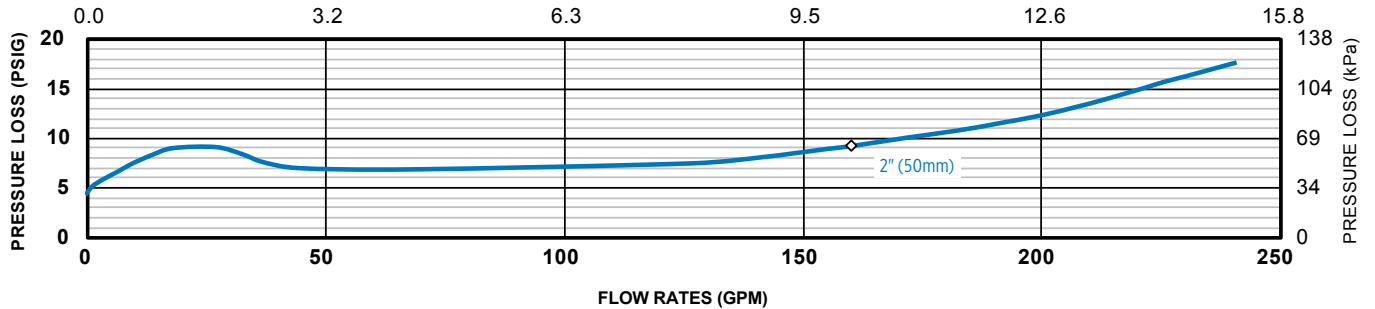
### Weights and Dimensions



950XLT DABF SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])					WEIGHT (LBS. [KG])
	A	B	C	D	E	
2 [50]	26 [660]	23-1/8 [587]	3 [76]	7-1/2 [191]	10-3/8 [264]	36 [16.3]

### Flow Curves

**MODEL 950XLT DABF 2" (STANDARD & METRIC)**  
FLOW RATE (l/s)

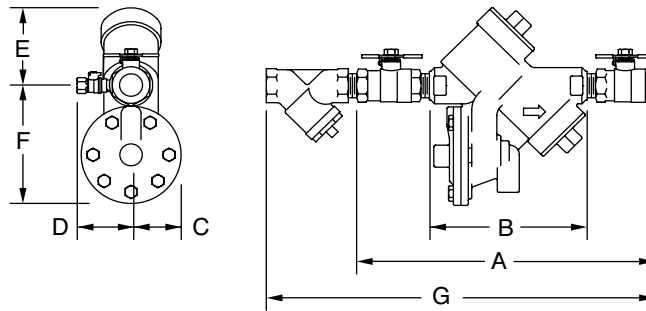


◇ Rated Flow (Established by approval agencies)

# Specifications - 975XL

## Small Diameter Reduced Pressure Principle Assembly

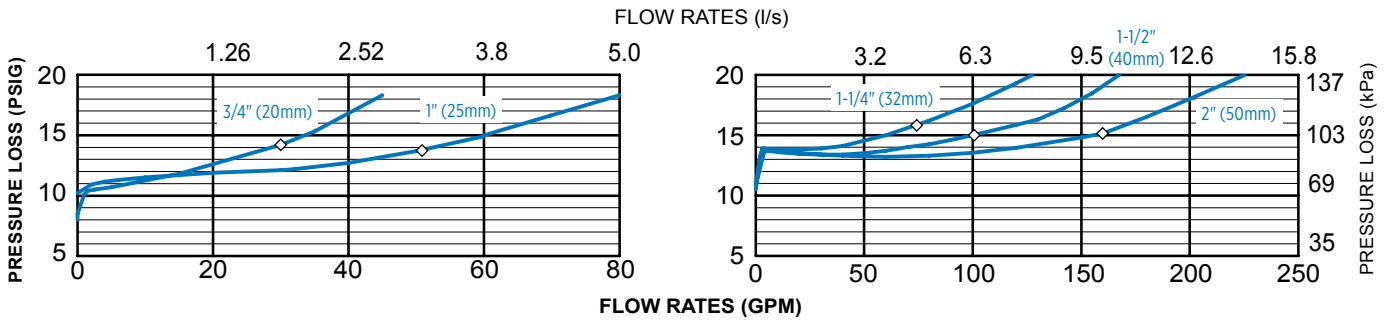
### Weights and Dimensions



975XL SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])							WEIGHT (LBS. [KG])
	A	B	C	D	E	F	G	WITH BALL VALVES
3/4 [20]	12 [305]	7-3/4 [197]	2-1/8 [54]	3 [76]	3-1/2 [89]	5 [127]	16-1/8 [410]	12 [5.5]
1 [25]	13 [330]	7-3/4 [197]	2-1/8 [54]	3 [76]	3-1/2 [89]	5 [127]	17-3/8 [441]	14 [6.4]
1-1/4 [32]	17 [432]	10-15/16 [278]	2-3/4 [70]	3-1/2 [89]	5 [127]	6-3/4 [171]	22-9/16 [573]	28 [12.7]
1-1/2 [40]	17-3/8 [441]	10-15/16 [278]	2-3/4 [70]	3-1/2 [89]	5 [127]	6-3/4 [171]	24-1/16 [611]	28 [12.7]
2 [50]	18-1/2 [470]	10-15/16 [278]	2-3/4 [70]	3-1/2 [89]	5 [127]	6-3/4 [171]	26-1/2 [673]	34 [15.4]

### Flow Curves

MODEL 975XL 3/4", 1", 1-1/4", 1-1/2" & 2" (STANDARD & METRIC)



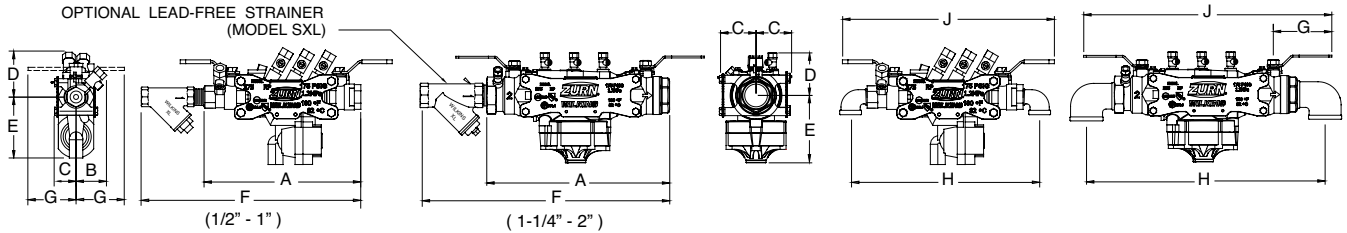
◇ Rated Flow (Established by approval agencies)



# Specifications - 375

## Small Diameter Reduced Pressure Principle Assembly

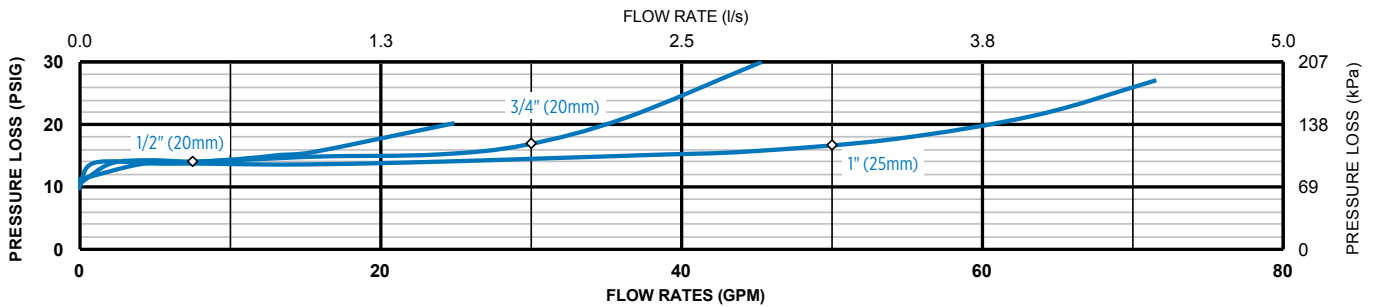
### Weights and Dimensions



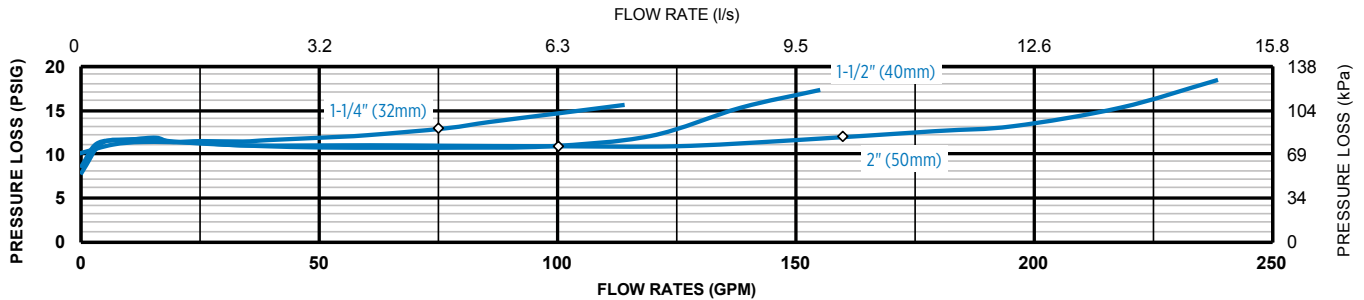
375XL SIZE (IN. [MM])	DIMENSION (APPROXIMATE IN. [MM])										WEIGHT (LBS. [KG])	
	A	A LESS BALL VALVES	B	C	D	E	F	G	H	J	LESS BALL VALVES	WITH BALL VALVES
1/2 [20]	8-7/8 [225]	N/A	1-15/16 [49]	1-3/8 [35]	2-15/16 [75]	3-7/8 [98]	12-1/4 [311]	3 [76]	10-7/8 [276]	12-1/4 [311]	4.7 [2.1]	5.7 [2.6]
3/4 [20]	8-7/8 [225]	7-1/8 [181]	1-15/16 [49]	1-3/8 [35]	2-15/16 [75]	3-7/8 [98]	12-5/8 [321]	3 [76]	11 [279]	12-1/4 [311]	4.7 [2.1]	5.7 [2.6]
1 [25]	11-3/16 [284]	8-7/8 [225]	2-1/4 [57]	1-15/16 [46]	3-7/16 [87]	4 [102]	14-9/16 [370]	4 [102]	13-3/4 [349]	15-1/4 [387]	8.2 [3.7]	9.7 [4.4]
1-1/4 [32]	14-7/8 [378]	14-3/8 [367]	3-3/8 [86]	3-1/8 [80]	3-3/4 [95]	5-3/4 [146]	20-1/2 [521]	3-3/4 [95]	18 [457]	18-1/2 [470]	18.7 [8.5]	20.5 [9.3]
1-1/2 [40]	15-1/4 [387]	14-3/8 [367]	3-3/8 [86]	3-1/8 [80]	3-3/4 [95]	5-3/4 [146]	22 [559]	4-1/2 [114]	18-3/4 [476]	20-1/4 [514]	18.3 [8.0]	21.5 [9.8]
2 [50]	16 [406]	14-3/8 [367]	3-3/8 [86]	3-1/8 [80]	3-3/4 [95]	5-3/4 [146]	24 [610]	4-3/4 [121]	20-3/4 [527]	20-3/4 [527]	19.4 [8.8]	23.5 [10.7]

### Flow Curves

**MODEL 375 1/2", 3/4" & 1" (STANDARD & METRIC)**



**MODEL 375 1-1/4", 1-1/2" & 2" (STANDARD & METRIC)**



◇ Rated Flow (Established by approval agencies)

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