



# 300AST Series

## Stainless Steel Backflow Preventer

Time-tested, reliable backflow checks and relief valve delivered in a new Stainless Steel body



Model 350ASTOSY

### Features and Benefits

Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California for 2-½" to 10" backflow preventers.

#### Stainless Steel Body

- Corrosion-resistance, providing lower life-cycle costs
- Short lay-length allows for installation into smaller spaces
- Paintable body, allowing for city aesthetics regulations without affecting the valve function
- Five-year limited warranty

#### Lead-Free Law Compliant

- Ideally suited for potable water applications
- Meets all federal Safe Drinking Water Act requirements

#### Improved Flow Characteristics

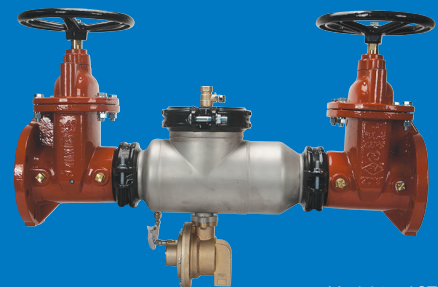
- Can be installed in lower-pressure systems

#### Innovation

- Machined check positioning sleeve, eliminating weld-seam leaks
- Checks retained securely, providing stable pressures with faster test results
- Flow clean sensing passage eliminates debris build-up in sensing line

#### Multiple Configurations Available

- Reduced pressure principle and double check
- Detector assemblies
- Grooved or flanged end connections on both butterfly and gate valves
- Available in our patent pending AR series of custom length replacement valves



Model 375AST



Model 375ASTDABG



Model 350ASTDABF

### Application

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The 300AST Series provides protection where a potential health hazard exists. Ideal for use where lead-free\* valves are required.

### Standards Compliance

- ASSE® Listed 1013
- AWWA Compliant C511 (with gates only), and C550
- FM® Approved
- UL® Classified
- C-UL® Classified
- CSA® Certified
- IAPMO® Listed
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- NSF® Listed-Standard 61, Annex G\*
- Certified to NSF/ANSI 372\* by IAPMO R&T

\* (0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

### Model 375 and Model 350 Materials

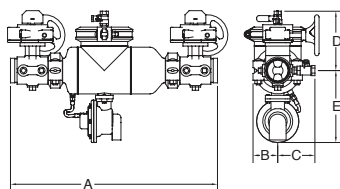
Main Valve Body	304L Stainless steel
Access covers	304L Stainless steel
Coatings	FDA Approved electrostatic epoxy finish
Internals	Stainless steel, 300 Series
	NORYL™, NSF Listed
Fasteners & Springs	Stainless Steel, 300 Series
Seal rings	EPDM (FDA approved)
O-rings	Buna Nitrile (FDA approved)
Sensing line	Stainless Steel, braided hose

### Features

Sizes:	2 1/2", 3", 4", 6", 8", 10"
Maximum working water pressure	175 PSI
Maximum working water temperature	140°F
Hydrostatic test pressure	350 PSI
End connections	
(Grooved for steel pipe)	AWWA C606
(Flanged)	ANSI B16.1 Class 125

### MODEL 375AST with BG option

Relief Valve discharge port:  
2 1/2" - 6" - 2.75 sq. in.  
8" - 10" - 3.69 sq. in.



Certified to NSF/ANSI 61-G



### Options

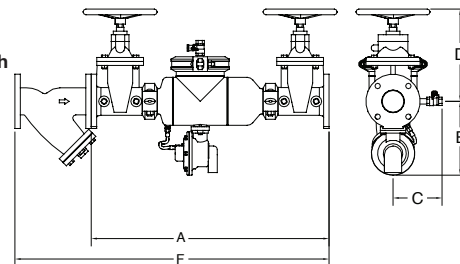
(Suffixes can be combined)

- ☐ - with flanged end NRS gate valves (standard)
- ☐ FSC - with epoxy coated wye type strainer (flanged only)
- ☐ G - with grooved end NRS gate valves
- ☐ GF - with grooved inlet gate connection and flanged outlet gate connection
- ☐ FG - with flanged inlet gate connection and grooved outlet gate connection
- ☐ MS - with Integral Relief Valve Monitor Switch
- ☐ OSY - with flanged end OS&Y gate valves
- ☐ OSYG - with grooved end OS&Y gate valves
- ☐ BG - with grooved end butterfly valves with integral supervisory switches
- ☐ BF - with flanged end butterfly valves with integral supervisory switches (2-1/2" - 6")

### Accessories

- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model XT)
- ☐ OS & Y Gate valve tamper switch (OSY-40)
- ☐ Air gap (Model AG)
- ☐ Electronic Solenoid Timer (Model EST)
- ☐ QT-SET Quick Test Fitting Set

### MODEL 375AST with NRS & FSC option



MODEL 375AST SIZE	DIMENSION (approximate)																				
	A		A WITH BUTTERFLY VALVES		B		C		D NRS GATE		D OS&Y OPEN		D OS&Y CLOSED		D WITH BUTTERFLY VALVES		E		F		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
2 1/2	65	31 7/8	810	28 3/4	730	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	42	1067
3	80	32 7/8	835	29 3/8	746	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	43 1/2	1105
4	100	34 7/8	886	30 1/4	768	4 1/2	114	8	203	14 1/2	368	22 1/2	572	18 1/4	464	9	229	9 3/4	248	50	1270
6	150	43 1/2	1105	36 1/2	927	5 1/2	140	10	254	18	457	30 1/2	775	24 1/4	616	10 1/4	260	10 3/4	273	61 5/8	1565
8	200	52 3/4	1340	45 3/4	1162	9 1/4	235	11	279	21 1/8	537	37	940	28 1/2	724	18 1/2	470	15 5/8	397	77 1/8	1959
10	250	55 3/4	1416	49 3/4	1264	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	85 3/8	2169

See Specification Sheets for Model weights, available on Zurn.com

\* Omit dimension E for Model 350AST Double Check Assembly