

WILKINS

a ZURN company

Model 450 Double Check Valve Assembly 2-1/2" to 10"

FEATURES

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

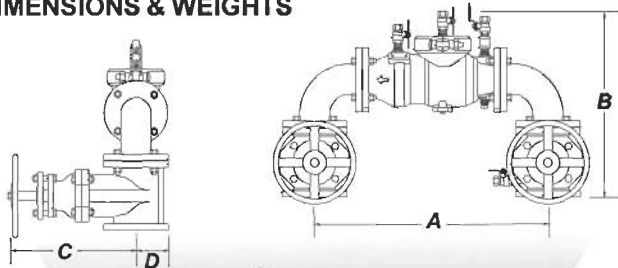
OPTIONS

- with NRS shut-off valves (standard)
- FS - with cast iron wye type strainer (flanged only)
- FSC - with epoxy coated wye type strainer (flanged only)
- G - with groove end gate valves
- GF - with grooved inlet gate connection and flanged outlet gate connection
- FG - with flanged inlet gate connection and grooved outlet gate connection
- L - less shut-off valves (flanged body connections)
- OSY - with OS & Y gate valves

ACCESSORIES

- Thermal expansion tank (Model WXTP)
- OS & Y Gate valve tamper switch (OSY-40)
- QT-SET Quick Test Fitting Set
- Valve setter (Model FLS or MJS or MJFS)
- Flange by Groove adapter (FLA)

DIMENSIONS & WEIGHTS



SIZE	OS&Y		C		WEIGHT				
	A	B	OPEN	CLOSED	NRS	D	W/O NRS	OS&Y	
2 1/2	26 1/4	20 1/2	16 3/8	13 7/8	11 3/8	3 3/4	80	182	190
3	27 1/4	21 1/2	18 7/8	15 5/8	12 3/8	3 3/4	83	207	213

SIZE	GATE VALVES		OS&Y		WEIGHTS					
	A	B	LESS B	OPEN C	CLOSED C	NRS C	D	LESS NRS	OS&Y	
4	18 5/16	30	21	22 3/4	18 1/4	14 3/4	5	90	270	280
6	18 11/16	35 1/2	25	30 1/8	23 3/4	19	6	159	443	459
8	29	46	34 7/16	37 3/4	29 1/4	22 1/2	10	386	838	862
10	29	47 1/2	34 7/16	45 3/4	35 3/8	26 1/2	10	404	1032	1078

APPLICATION

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of polluted water into the potable water supply. The Model 450 shall provide protection where health hazards do not exist.

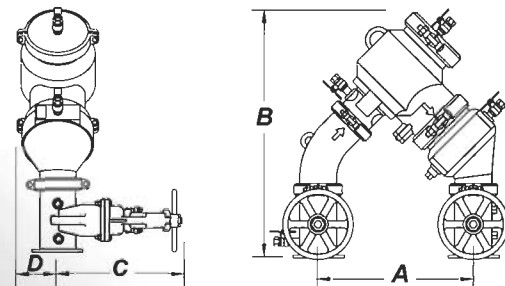
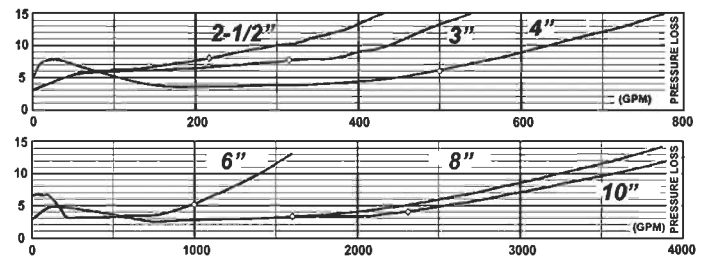
STANDARDS COMPLIANCE

- ASSE® Listed 1015 (thru 8")
- AWWA Compliant C510
- UL® Classified
- C-UL® Classified
- FM® Approved
- IAPMO® Listed (4" thru 8")
- USC FCCC & HR
- CSA® Certified B64.5 (4" & 6")

MATERIALS

Main valve body	Ductile Iron ASTM A 536 Grade 4
Access covers	Ductile Iron ASTM A 536 Grade 4
Coatings	FDA Approved fusion epoxy finish
Internals	Stainless steel, 300 Series NORYL™, NSF Listed
Fasteners	Stainless Steel, 300 Series
Seal ring	EPDM (FDA approved)
O-ring	Buna Nitrile (FDA approved)
Springs	Stainless Steel, 300 Series

FLOW CHARACTERISTICS



**Repair Kits & Parts
Break-Downs on
Model 350 Pages.**



WILKINS

a **ZURN** company

Model 450DA Double Detector Check Valve Assembly 2-1/2" to 10"

FEATURES

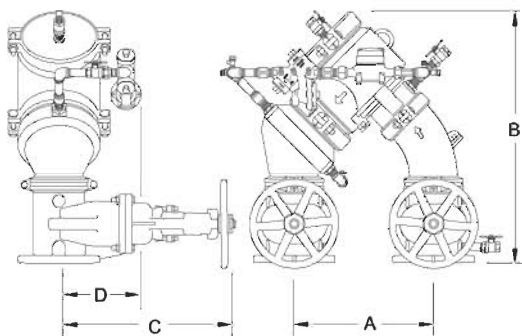
Maximum working water pressure	175 PSI
Maximum working water temperature	140°F
Hydrostatic test pressure	350 PSI
End connections (Grooved for steel)	AWWA C606
(Flanged)	ANSI B16.1
	Class 125

OPTIONS

- with OS & Y gate valves (standard)
- L - less shut-off valves (grooved body connections)
- LM - less water meter
 - with remote reading meter
 - with gpm meter (standard)
 - with cu ft/min meter
- G - with groove end gate valves
- FG - with flanged inlet gate connection and grooved outlet gate connection
- FS - with cast iron wye type strainer (flanged only)
- FSC - with epoxy coated wye type strainer (flanged only)

ACCESSORIES

- Thermal expansion tank (Model WXTP)
- Valve setter (Model FLS or MJS or MJFS)
- Gate valve tamper switch (OSY-40)
- Flange by groove adapter (FLA)
- QT-SET Quick Test Fitting Set



DIMENSIONS & WEIGHTS

SIZE	A	B		C		D	WEIGHT	
		with gates	less gates	OS&Y open	OS&Y closed		less gates	with gates
4	18 5/16	30	21	22 3/4	18 1/4	8	105	295
6	18 11/16	35 1/2	25	30 1/8	23 3/4	10	174	474
8	29	46	34 7/16	37 3/4	29 1/4	13	402	878
10	29	47 1/2	34 7/16	45 3/4	35 3/8	13	420	1076

APPLICATION

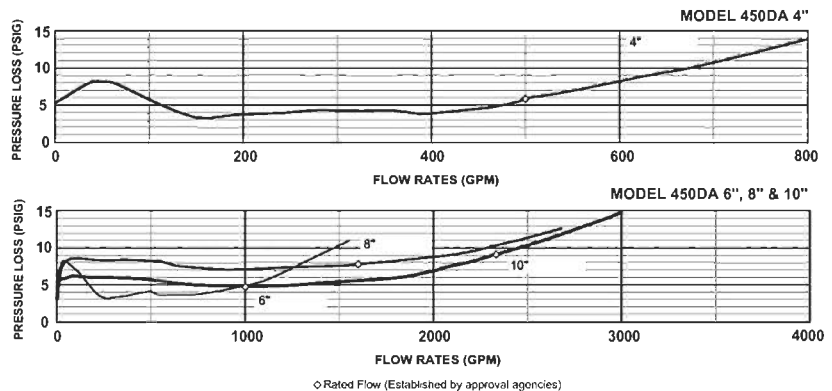
Designed for installation on potable water lines in fire sprinkler systems to protect against both backsiphonage and backpressure of polluted water into the potable water supply. Assembly shall provide protection where a potential health hazard does not exist.

STANDARDS COMPLIANCE

(unless otherwise noted, applies to sizes 4" & 6")

- ASSE® Listed 1048 (4" thru 8")
- CSA® Certified
- AWWA Compliant C 510
- UL® Classified (4" thru 10")
- C-UL® Classified (4" thru 10")
- FM® Approved (4" thru 8")
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California

FLOW CURVES



MATERIALS

Main valve body	Ductile Iron ASTM A 536 Grade 4
Access covers	Ductile Iron ASTM A 536 Grade 4
Coatings	FDA Approved fusion epoxy finish
Fasteners	Stainless Steel, 300 Series
Elastomers	EPDM (FDA approved)
	Buna Nitrile (FDA approved)
Polymers	NORYL™, NSF Listed
Springs	Stainless steel, 300 series

**Repair Kits on Model 350DA Parts Page.
Parts Break-Downs on Model 350 Parts Pages.**