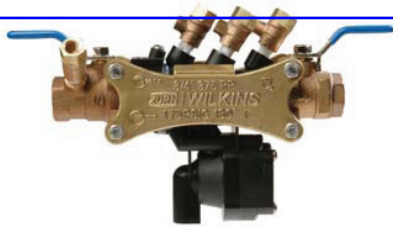


WILKINS
 a ZURN® company

Model 375

Reduced Pressure Principle Assembly

SPECIFICATION SUBMITTAL SHEET



FEATURES

 Sizes: ☐ 1/2" ☒ 3/4" ☐ 1" ☐ 1-1/4" ☐ 1-1/2" ☐ 2"

 Maximum working water pressure 175 PSI
 Maximum working water temperature 180°F
 Hydrostatic test pressure 350 PSI
 End connections Threaded FNPT ANSI B1.20.1

OPTIONS

(Suffixes can be combined)

- ☐ - with full port QT ball valves (standard)
- ☒ L - less ball valves, male pipe thread
- ☒ XL - with low lead ball valves (See 375XL)
- ☒ S - with bronze "Y" type strainer
- ☐ SH - with stainless steel handles
- ☐ SE - with street elbows
- ☐ FT - with integral male 45° flare SAE test fitting
- ☐ AG - with air gap
- ☐ SAG - with bronze "Y" strainer and air gap
- ☐ BOF - with Blow out/Flush fitting
- ☐ B - with black fusion epoxy coated ball valves & struts for theft protection

ACCESSORIES

- ☐ Repair kits
- ☐ Thermal expansion tank (Mdl. XT)
- ☐ Soft seated check valve (Mdl. 40XL)
- ☐ Shock arrester (Model 1250)
- ☐ QT-SET Quick Test Fitting Set
- ☐ Test Cock Lock (Model TCL24)
- ☐ Blow out / Flush fitting
(RK34-375BOF (1/2" or 3/4"), RK1-375BOF or RK114-350-375BOF)

DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL 375 SIZE	DIMENSIONS (approximate)																				WEIGHT				
	A		A LESS BALL VALVES		B		C		D		E		F		G		H		J		LESS BALL VALVES		WITH BALL VALVES		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg	
1/2	20	8 7/8	225	n/a	n/a	115/16	49	1 5/8	41	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	115/16	49	1 5/8	41	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	2 1/4	57	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 3/8	86	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 3/8	86	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 3/8	86	3 3/4	95	5 3/4	146	24	610	4 3/4	120.7	20 3/4	527	20 3/4	527	19.4	8.8	23.5	10.7

APPLICATION

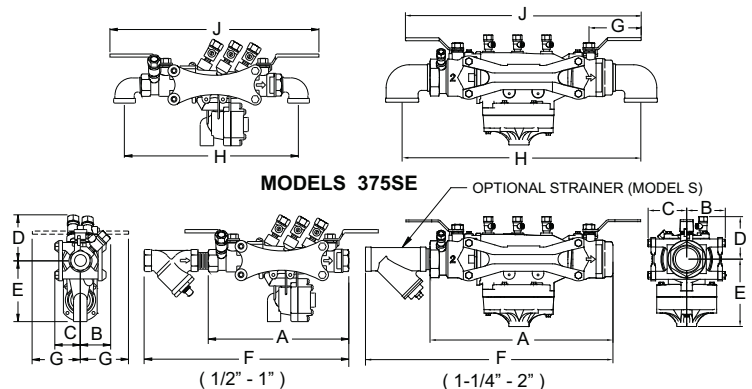
Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. Assembly shall provide protection where a potential health hazard exists.

STANDARDS COMPLIANCE

- ASSE® Listed 1013 (3/4" - 2")
- IAPMO® Listed
- CSA B64.4
- AWWA compliant C511
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- UL® Classified (less shut-off valves only, 3/4"-2")
- C-UL® Classified (less shut-off valves only, 3/4"-2")

MATERIALS

Housing	Reinforced Nylon, FDA approved
Fasteners	Stainless Steel, 300 Series
Elastomers	Silicone (FDA Approved)
	Buna Nitrile (FDA Approved)
Internals	Delrin, Nylon, NSF Listed
Springs	Stainless steel, 300 series
Ball Valves	Cast Bronze, ASTM B 584
Struts	Forged Brass, ASTM B 124



(Patent No. 6,513,543 & 7,784,483)

 DOCUMENT #:
 BF-375(SM)

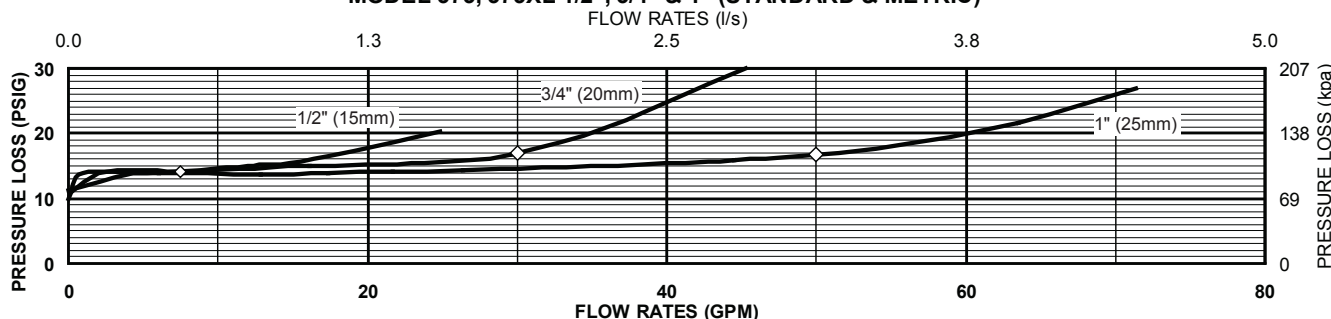
 REVISION:
 2/12

Page 1 of 2

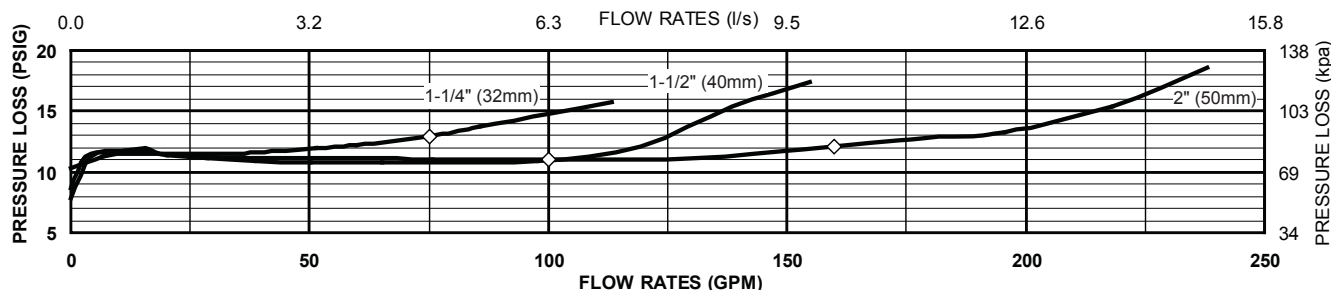
WILKINS a Zurn company, 1747 Commerce Way, Paso Robles, CA 93446 Phone: 805/238-7100 Fax: 805/238-5766
 In Canada: ZURN INDUSTRIES LIMITED, 3544 Nashua Dr., Mississauga, Ontario L4V 1L2 Phone: 905/405-8272 Fax: 905/405-1292
 Product Support Help Line: 1-877-BACKFLOW (1-877-222-5356) • Website: <http://www.zurn.com>

FLOW CHARACTERISTICS

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



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

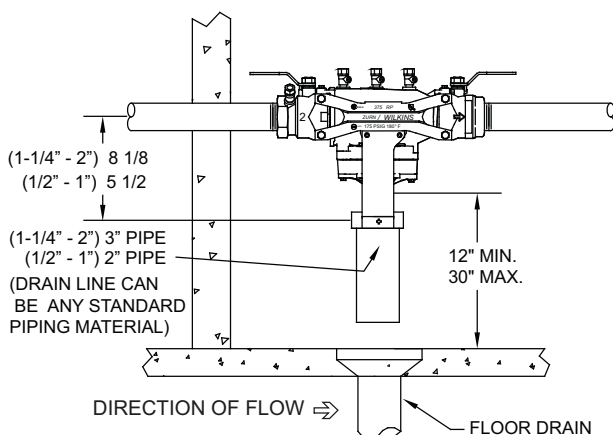


◇ Rated Flow (Established by approval agencies)

TYPICAL INSTALLATION

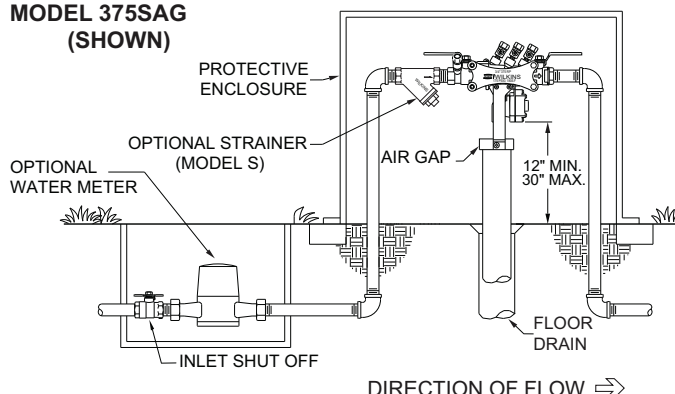
Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

Capacity thru Schedule 40 Pipe				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
3/8"	3	4	6	9
1/2"	5	7	9	14
3/4"	8	12	17	25
1"	13	20	27	40
1 1/4"	23	35	47	70
1 1/2"	32	48	63	95
2"	52	78	105	167



INDOOR INSTALLATION

MODEL 375SAG (SHOWN)



OUTDOOR INSTALLATION

SPECIFICATIONS

The Reduced Pressure Principle Backflow Preventer shall be ASSE® Listed 1013, rated to 180°F and supplied with full port ball valves. The main body shall be Nylon and the seat disc elastomers shall be silicone. If installed indoors, the installation shall be supplied with an air gap adapter. The Reduced Pressure Principle Backflow Preventer shall be a WILKINS Model 375.



BFP-2

W375XLSF
WAG4

WILKINS
WILKINS

BFP-2 BACKFLOW PREVENTER

3/4" LF RPP ASSEMBLY COMP VES FNPT STR
AIR GAP FOR 975, 375 & 3/4-1"

1. BFP-2 - Provide caps and tethers for each test cock.

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: June 13, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mike Whitworth (WES)

Project No. WT 14127.01
WES 607

☐ UPS ☐ Courier ☒ **Email**

Copies	No.	Description
1 PDF	221119P02	(Submittal No.'s)
		(Cannon #22 1119-004) – (Paric #15051-) – (WES #607)
		• Domestic Water Piping Specialties

***Remarks: See Submittal Review from Webb Engineering.**

c: **Kevin Patel**
Kpatel@cannondesign.com

☒ ***Reviewed**

☒ ***No Exceptions Taken**

☒ ***Make Corrections Noted
*Amend & Resubmit**

☒ ***Make Corrections As Noted,
No Resubmittal Required**

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.



1400 S. 3rd Street, Suite 201
St. Louis, Missouri 63104
Phone: (314) 588-0600
Fax: (314) 588-0604

Letter of Transmittal

To: wtashop@wmtao.com

From: Mike Whitworth

Date: June 11, 2016

Re: Webster University ISB

WES No: 607

☐ For your Files

☐ For Review

☐ Please Comment

☐ Please Reply

Item No.	Description	No. of Copies	Date
1	Shop Drawing Review – 22 1119 Domestic Water Piping Specialties	1	06-11-2016

•Signature: Mike Whitworth

**WEBB
ENGINEERING
SERVICES INC.**www.webb-engineering.com

The review of this submittal is limited to the general conformance with the designated design concept and intent of this project and with the general compliance of the information provided in the contract documents. All comments, remarks and notations made on the submittal(s) as a result of this review do not relieve the contractor from full compliance with requirements of the contract documents. Approval for a specific item shall not include approval of an assembly of which the item is not a component. The contractor is solely responsible for rough-in and installation confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordination of this work with that of other trades on this project; and in a safe and satisfactory manner. All work shall be installed in full compliance with the manufacturer's recommendation, Federal, State and Local rules and regulation and the Authority Having Jurisdiction (AHJ) and applicable adopted codes and standards.

PROJECT NAME: Webster University ISBLOCATION: St. Louis MissouriCLIENT PROJ. NO.: N/AWES PROJ. NO.: 607SPEC SECTION: 22 1119
Domestic Water Piping
SpecialtiesSUBMITTAL ITEM: See Below -CONTRACTOR: Deluca Plumbing, LLC.CTR. SUBMITTAL # 22 1119-004SUBMITTAL DATE: June 06, 2016DATE RECEIVED: June 08, 2016RECEIVED VIA: E-MailRECEIVED FROM: WTADATE RETURNED: JUNE 11, 2016RETURNED VIA: E-MAILRETRURNED TO: WTASHOP@WMTAO.COM

STATUS KEY:

NO EXCEPTION TAKEN

MAKE CORRECTIONS NOTED, NO RESUBMITTAL:

AMEND AND RESUBMIT

REJECTED, SEE REMARKS:

REVIEWED ONLY

NEC	MCN	AAR	REJ	REV	ITEM	REMARKS
	X				BFP-1 Backflow Preventer Zurn Model – 375ASTP	1. Provide caps and tethers for each test cock.
X					Strainer Wilkins a Zurn Company Model - FSCP	
X					Air Gap Fitting Zurn Model – AG6	
	X				PRV Pressure Reducing Valve Zurn Model – ZW209	1. Coating to be FDA approved or comply with AWWA C550.
	X				BFP-2 Backflow Preventer Zurn Model – 375XLSF With Strainer	1. Provide caps and tethers for each test cock.
X					Air Gap Fitting Zurn Model – AG4	
	X				BFP-3 Backflow Preventer Zurn Model – 375XLSG With Strainer	1. Provide caps and tethers for each test cock.
X					Air Gap Fitting Zurn Model – AG4	



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ENGINEERING
SERVICES** INC.

www.webb-engineering.com

	X				BFP-4 Backflow Preventer Zurn Model – 375XLSH With Strainer	1. Provide caps and tethers for each test cock.
X					Air Gap Fitting Zurn Model – AG5	
		X			Trap Primer PPP Model – PR-500	1. This type/style of trap primer is not specified for this project. Is contractor proposing to use this type/style rather than the waste arm trap primer?
		X	X		Water Hammer Arrester Sioux Chief Model 650-660 Series	1. Provide type/style specified. Refer to specification section 22 1119. Part 2 Products, paragraph 2.12. 2. Refer to Plumbing Fixture Schedule on drawing P0601.

REVIEWED BY: Michael R. Whitworth DATE: June 11, 2016

THESE COMMENTS ARE TO BE ATTACHED TO ALL COPIES OF THE SHOP DRAWING REFERENCED ABOVE.

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICAL	☐

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings
☐ Samples
 (_____ copies)
☐ LEED Submittal
☐ Other
- ☐ Certification /
 Qualifications
☐ Record Documents
☐ Product Data
- ☐ Coordination Drawing
☐ Calculations
☐ Schedules
☐ O&M Manuals

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0073

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/07/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: BFP 1-4 WHA TP Product data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:		SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings		☒ Approval	☒ Approved as Submitted
☐ Letter		☐ Your Use	☐ Approved as Noted
☐ Prints		☐ As Requested	☐ Returned After Loan
☐ Change Order		☐ Review and Comment	☐ Resubmit
☐ Plans			☐ Submit
☐ Samples		SENT VIA:	☐ Returned
☐ Specifications		☐ Attached	☐ Returned for Corrections
☒ Other: Product Data		☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		221119-04	1		06/07/2016	BFP 1-4 WHA TP Product data	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

Shop Drawing Submittal

Project Name: **WEBSTER ISB**

Specification # 221119-02

Specification Description:	Domestic Water Specialties
	- BFP 1-4
	- Trap Primers
	- Water Hammer Arrestors

Date: 06-06-16

General Contractor / Construction Manager: Paric

Contractor: DeLuca Plumbing, L.L.C.
8465 Delport Drive
St. Louis, MO 63114

Supplier: Various

Manufacturer: Various

Reviewed & Approved by: DeLuca Plumbing 06-06-16

Action: Forward to GC/CM for Review & Approval

