RAFAT
8850 GEORGE BOLTON PARKWAY, CALEDON, ONTARIO L7E 2Y4

Shop Drawings Transmittal No:	22 11 00-01R0

Project Name:	Construction of Victoria Park Arena and Brampton Sports Hall of Fame	**Project No.**	NRFP2024-232
		DATE:	20 Feb 2025
		Submittal Required Return Date:	06 Mar 2025
Submittal No:	35		
Title:	SD-Expansion Tanks		
To:	Mark Falkenburger		
Checked by:	**Abdullah Hissamuddin**	**To Be Reviewed By the Following Consutlants**	Architecture49 & WSP
Submitted for:	Review and Approval		
Consultants Response			

WSP Canada Inc.

☑ REVIEWED
☐ REVIEWED AS NOTED
☐ REVISE & RESUBMIT

BY Dean Millar
DIVISION Buildings - Sustainability
DATE 3/5/2025
SUBMITTAL#
PROJECT 209-00238-00 CoB Victori

THE REVIEW OF THIS DRAWING DOES NOT IN ANY WAY RELIEVE THE VENDOR OR CONTRACTOR OF RESPONSIBILITY FOR ITS ACCURACY OR FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

RAFAT

SUBMITTAL REVIEW
For general compliance with the design concept and contract documents. Subcontractor is solely responsible for jobsite correlation and correctness of all ratings, sizings, type, style, dimensions, finish, quantities and satisfactory fitting to other work and equipment. This review does not change the intent of the contract document.

REVIEWED
RESUBMIT
REJECTED

SHOP DRAWING REVIEW

Project Name: Victoria Park Arena

Project No. CA-WSP-221-05263-00
Date Received: 2025-03-05

Shop Drawing:
Title: Expansion tanks
Revision: 00
Submission No.: 21-08

This review by consultant is for sole purpose of ascertaining conformance with general design concept. This review does not mean that consultant approves detail design inherent in shop drawings, responsibility for which remains with contractor, and such review does not relieve contractor of responsibility for errors or omissions in shop drawings or of contractor's responsibility for meeting all requirements of contract documents. Be responsible for dimensions to be confirmed and correlated at job site, for information that pertains solely to fabrication process or to techniques of construction and installation, and for coordination of the work of subtrades.

☒ **Reviewed**	**Mechanical Review Required** ☒		**Electrical Review Required** ☐		
☐ **Reviewed as Noted**	**Reviewed by:**	Dean Millar	**Reviewed by:**		
☐ **Revise & Resubmit**	**Review Date:**	2025-03-05	**Review Date:**		

Item	Comments
1.	Contractor to note the slight difference in physical size and ensure all clearances are maintained.
2.	
3.	
4.	

End of Review

54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Submittal 24-280-013

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
VICTORIA PARK ARENA 24-280	20 Victoria Crescent, Brampton, ON L6T 1E4	Feb 19, 2025

TO

Abdullah Hissamuddin

COMPANY

RAFAT GENERAL CONTRACTOR INC.

EMAIL

abdullah.hissam@rafat.ca

ADDRESS

8850 GEORGE BOLTON PKWY BOLTON, ON L7E 2Y4

FROM

PAUL LEDDY

COMPANY

Consult Mechanical Inc.

EMAIL

paul.l@consultmechanical.com

ADDRESS

54 Audia Court, Unit 2
Concord, ON L4K 3N5

Title

Consult Submittal for Expansion Tanks

Description

Bell and Gossett Series B Expansion Tanks

Package Items

SPEC	SUBSECTION	ITEM	TYPE

Submittal # 85622 **APPROVAL REQUIRED**

Project	22104386-MECH-1- Brampton Victoria Park Arena
Leader	Nevin Wong
Job Site	Brampton Victoria Park Arena
Submission Date	2025-02-19
Sold To	CONSULT MECH
Submitted By	Chukwuebuka Eleagu

Contacts

Role	Customer	Our Rep
Mechanical Contractor	Con-Sult Mechanical Inc.*	Nevin Wong
General Contractor	Rafat General Contracing Inc	
Mechanical Contractor	Con-Sult Mechanical Inc.*	Nevin Wong
Mechanical Contractor	Con-Sult Mechanical Inc.*	Nevin Wong
Designer	WSP MMM Group	Alex Forsea

Deliverables

Track #	289006	289004	289005
Tag	ET-2	DOMESTIC LOOP, DOMESTIC LOOP	ET-1
Description	Series D Expansion Tank	Series PTA Expansion Tanks	Series B Expansion Tank
Quantity	1	3	1
Production Lead Time	14 - 18 Weeks	14 - 18 Weeks	14 - 18 Weeks
Revision #	0	0	0

Attention:

1) HTS will provide equipment in accordance with the attached shop drawings.
2) Upon approved submittal and customer release, HTS will release equipment to fabrication per the published lead times. Any storage fees associated with project schedule changes will be the responsibility of the purchaser.
3) HTS can provide freight and logistics to the purchaser as an added benefit of doing business with HTS. When freight is received by the purchaser, any noticeable damage must be recorded. Otherwise, HTS is not responsible for subsequent damage claims.

Approval Stamps

SCHEDULE OF EXPANSION TANKS

TAG	SYSTEM	MANUFACTURER	MODEL NO.	SIZE (mm) DIAMETER x HEIGHT	TYPE	UNIT WEIGHT (KG)	TANK VOLUME (LITRE)	RELIEF PRESSURE (KPa)	REMARKS
ET-1	HEATING/COOLING GLYCOL SYSTEM	AMTROL	800-L	750 x 2,082	VERTICAL BLADDER	1,052	800	406	
ET-2	HEATING WATER SYSTEM	AMTROL	AX-80(V)	600 x 736	VERTICAL HEAD & SHELL DIAPHRAGM	242	168	406	

NOTES:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CO
SE
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CL
PR

KEY PLAN:

ISSUED FOR - REVISION:

REV	DATE	DESCRIPTION
8	2024/05/29	ISSUED FOR TENDER
7	2023/10/27	ISSUED FOR TENDER
6	2023/09/22	ISSUED FOR TENDER
5	2022/08/15	ISSUED FOR BUILDING PERMIT
4	2022/08/05	ISSUED FOR TENDER - FINAL
3	2022/04/13	ISSUED FOR TENDER
2	2022/03/25	ISSUED FOR BUILDING PERMIT
1	2022/03/02	ISSUED FOR TENDER REVIEW

PROJECT NO: 209-00238-00
DATE: 2024/05/29
ORIGINAL SCALE:
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
1"
DESIGNED BY: MK
DRAWN BY: SG/VO
CHECKED BY: MK
DISCIPLINE:
TITLE: MECHANICAL EQUIPMENT SCHEDULES #2
SHEET NUMBER: M-901
SHEET #: OF
ISSUE: ISSUED FOR TENDER
REV #: 8
DATE OF: 2024/05/29

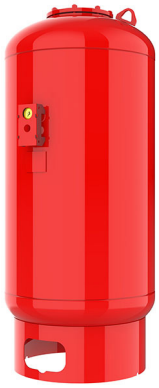
ET-1

Bell & Gossett
a xylem brand

SUBMITTAL A-342H

JOB: **REPRESENTATIVE:**

UNIT TAG:	ORDER NUMBER:	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



Series "B" (ASME) Pressurized Expansion Tanks

Not for potable water systems

DESCRIPTION

Series "B" expansion tanks are ASME rated precharged bladder-type pressure vessels. The Series "B" tank is designed to absorb the expansion forces of heating/cooling system water while maintaining proper system pressurization under varying operating conditions. The heavy duty bladder contains system water thereby eliminating tank corrosion and waterlogging problems. All Series "B" tanks include an integral bladder integrity monitor and are available with sight glass and/or seismic restraints.

CONSTRUCTION

System Connection: Forged Steel
Shell: Carbon Steel
Bladder: Heavy Duty Butyl Rubber
Designed and Constructed per ASME Section VIII, Division 1

MAXIMUM OPERATING LIMITS

Maximum Design Pressure: 125 PSI (862 kPa)
Design Temperature: 240°F (115°C)

SCHEDULE

MODEL NUMBER	PART NUMBER: PRESSURIZED EXPANSION TANKS	TANK AND ACCEPTANCE VOLUME GAL (L)	TAGGING INFORMATION	QUANTITY
B200	116051	53 (200)		
B300	116052	80 (300)		
B400	116053	106 (400)		
B500	116054	132 (500)		
B600	116055	158 (600)		
B800	116056	211 (800)	ET-1	1
B1000	116057	264 (1,000)		
B1200	116058	317 (1,200)		
B1400	116059	370 (1,400)		
B1600	116060	422 (1,600)		
B2000	116061	528 (2,000)		
B2500	116062	660 (2,500)		
B3000	116063	792 (3,000)		
B3500	116064	925 (3,500)		
B4000	116065	1,057 (4,000)		
B5000	116066	1,321 (5,000)		
B7500	116067	1,980 (7,500)		
B10000	116068	2,640 (10,000)		
B15000	116069	3,963 (15,000)		

WSP
Reviewed By
Dean Millar
2025-03-05 8:39:34
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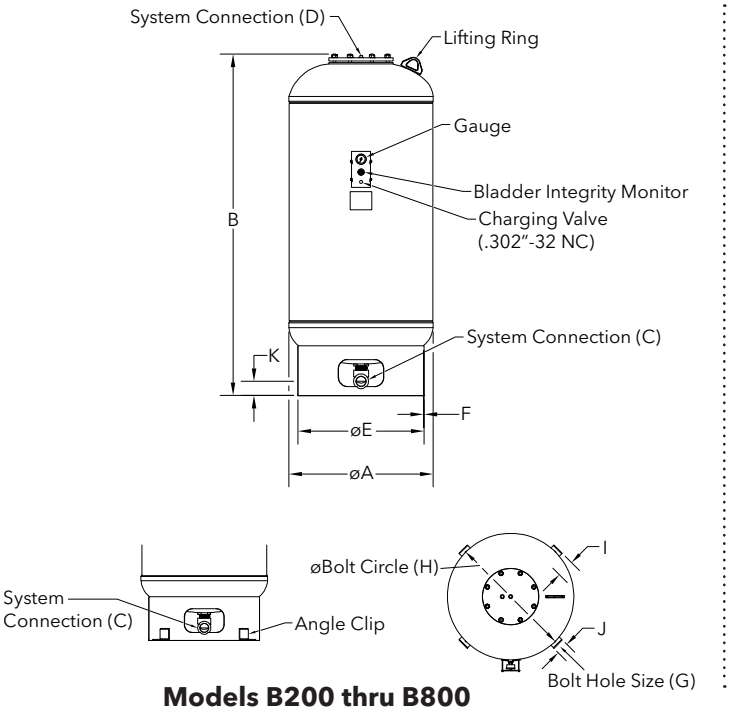
xylem

ET-1

SERIES "B" (ASME) PRESSURIZED EXPANSION TANKS **A-342H**



Models B200 thru B800

NOTES

Tanks are factory pre-charged at 40 PSI (276 kPa).
Allow a minimum of 18" (457.2 mm) clearance for system piping.
Sight glass and seismic restraints available.
Tanks can be installed in the horizontal position with the gauge/bladder integrity monitor located above the horizontal centerline of the tank.

DIMENSIONS AND WEIGHTS

Model	A in (mm)	B in (mm)	C FNPT (in)	D (in)	E in (mm)	F in (mm)	G in (mm)	H in (mm)	I in (mm)	J in (mm)	K in (mm)	Shipping Wt. lbs (kg)	Flooded Wt.* lbs (kg)
B-200	24 (610)	43 (1,092)	1-1/2	3/4	20 (508)	0.14 (4)	9/16 (14)	22 (559)	2 (51)	2 (51)	5.25 (133)	210 (95)	651 (295)
B-300	24 (610)	55 (1,397)	1-1/2	3/4	20 (508)	0.14 (4)	9/16 (14)	22 (559)	2 (51)	2 (51)	5.25 (133)	225 (102)	891 (404)
B-400	30 (762)	49 (1,245)	1-1/2	3/4	24 (610)	0.14 (4)	9/16 (14)	27 (686)	3 (76)	3 (76)	5.25 (133)	300 (136)	1,183 (537)
B-500	30 (762)	57 (1,448)	2	3/4	24 (610)	0.14 (4)	9/16 (14)	27 (686)	3 (76)	3 (76)	5.25 (133)	335 (152)	1,435 (651)
B-600	30 (762)	65 (1,651)	2	3/4	24 (610)	0.14 (4)	9/16 (14)	27 (686)	3 (76)	3 (76)	5.25 (133)	360 (163)	1,676 (760)
B-800	32 (813)	76 (1,930)	2	3/4	28 (711)	0.14 (4)	9/16 (14)	31 (787)	3 (76)	3 (76)	5.25 (133)	475 (215)	2,233 (1,013)
B-1000	36 (914)	76 (1,930)	1-1/2	3/4	30 (762)	0.14 (4)	9/16 (14)	33 (838)	3 (76)	3 (76)	N/A	552 (250)	2,751 (1,248)
B-1200	36 (914)	88 (2,235)	1-1/2	3/4	30 (762)	0.14 (4)	9/16 (14)	33 (838)	3 (76)	3 (76)	N/A	679 (308)	3,320 (1,506)
B-1400	36 (914)	100 (2,540)	1-1/2	3/4	30 (762)	0.14 (4)	9/16 (14)	33 (838)	3 (76)	3 (76)	N/A	688 (312)	3,770 (1,710)
B-1600	48 (1,219)	74 (1,880)	1-1/2	3/4	42 (1,067)	0.14 (4)	9/16 (14)	45 (1,143)	3 (76)	3 (76)	N/A	1,046 (474)	4,561 (2,068)
B-2000	48 (1,219)	86 (2,184)	1-1/2	3/4	42 (1,067)	0.20 (5)	9/16 (14)	45 (1,143)	3 (76)	3 (76)	N/A	1,150 (522)	5,548 (2,516)
B-2500	48 (1,219)	104 (2,642)	2	3/4	42 (1,067)	0.20 (5)	9/16 (14)	46 (1,168)	4 (102)	4 (102)	N/A	1,444 (655)	6,942 (3,148)
B-3000	48 (1,219)	124 (3,150)	2	3/4	42 (1,067)	0.20 (5)	9/16 (14)	46 (1,168)	4 (102)	4 (102)	N/A	1,658 (752)	8,255 (3,744)
B-3500	54 (1,372)	111 (2,819)	2	3/4	42 (1,067)	0.31 (8)	9/16 (14)	46 (1,168)	4 (102)	4 (102)	N/A	1,868 (847)	9,573 (4,341)
B-4000	60 (1,524)	105 (2,667)	2	3/4	54 (1,372)	0.31 (8)	9/16 (14)	58 (1,473)	4 (102)	4 (102)	N/A	2,238 (1,015)	11,043 (5,008)
B-5000	60 (1,524)	128 (3,251)	2	3/4	54 (1,372)	0.31 (8)	9/16 (14)	58 (1,473)	4 (102)	4 (102)	N/A	2,617 (1,187)	13,621 (6,177)
B-7500	72 (1,829)	131 (3,327)	3	1	66 (1,676)	0.31 (8)	9/16 (14)	70 (1,778)	4 (102)	4 (102)	N/A	3,768 (1,709)	20,261 (9,189)
B-10000	72 (1,829)	162 (4,115)	3	1	66 (1,676)	0.31 (8)	9/16 (14)	70 (1,778)	4 (102)	4 (102)	N/A	4,628 (2,099)	26,619 (12,072)
B-15000	72 (1,829)	233 (5,918)	3	1	66 (1,676)	0.31 (8)	9/16 (14)	70 (1,778)	4 (102)	4 (102)	N/A	5,925 (2,687)	38,937 (17,659)

Dimensions subject to change. Not to be used for construction purposes.
*Approximate weight 100% full occurs if bag fails or if air charge is lost.

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ET-2

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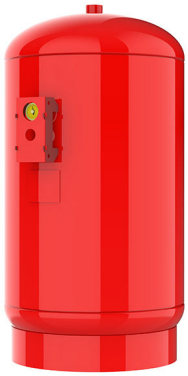
SUBMITTAL A-346H

JOB: **REPRESENTATIVE:**

UNIT TAG:	ORDER NUMBER:	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



Series "D" (ASME) Pressurized Expansion Tanks

Not for potable water systems

DESCRIPTION

Series "D" expansion tanks are ASME rated precharged diaphragm-type pressure vessels. The Series "D" tank is designed to absorb the expansion forces of heating/cooling system water while maintaining proper system pressurization under varying operating conditions. The heavy duty diaphragm separates system water from the tank air charge thereby eliminating waterlogging problems. All Series "D" expansion tanks include an integrated bladder integrity monitor and are available with sight glass and/or seismic restraints.

CONSTRUCTION

System Connection: Forged Steel
Shell: Carbon Steel
Diaphragm: Heavy Duty Butyl Rubber
Designed and Constructed per ASME Section VIII, Division 1

MAXIMUM OPERATING LIMITS

Maximum Design Pressure: 125 PSI (862 kPa)
Design Temperature: 240°F (115°C)

SCHEDULE

Model No.	Part Numbers	Volume gal (L)		Tagging Information	Quantity
	PRESSURIZED EXPANSION TANKS	Tank	Acceptance		
D-15	116298	7.8 (30)	6.3 (24)		
D-20	116299	11 (42)	8.8 (33)		
D-40	116300	25 (95)	20.2 (76)		
D-60	116301	35 (132)	28 (106)		
D-80	116302	45 (170)	36 (136)	ET-2	1
D-100	116303	60 (227)	48.5 (184)		
D-120	116304	70 (265)	56.5 (214)		
D-144	116305	80 (303)	65 (246)		
D-180	116306	90 (341)	73 (276)		
D-200	116307	115 (435)	93 (352)		
D-240	116308	140 (530)	113.5 (430)		
D-260	116309	158 (598)	128 (485)		
D-280	116310	211 (799)	171 (647)		

WSP Reviewed By Dean Millar
2025-03-05 8:40:22 AM

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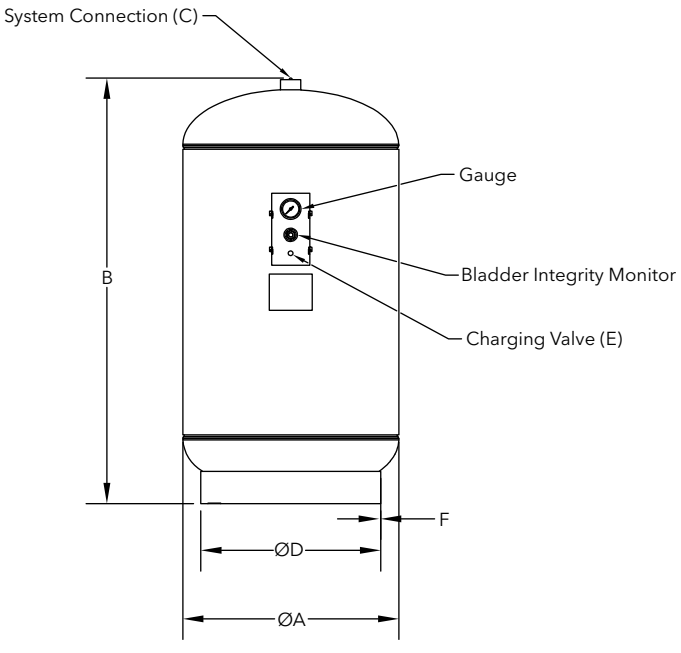
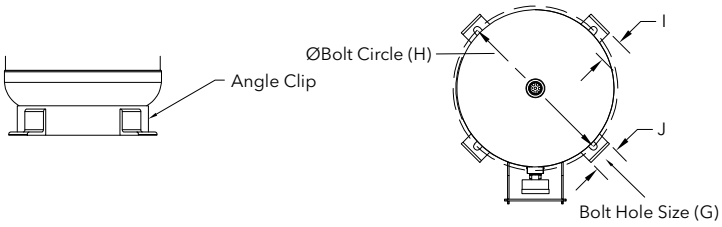
ET-2

SERIES "D" (ASME) PRESSURIZED EXPANSION TANKS **A-346H**





NOTE
Tanks are factory pre-charged at 40 PSI (276 kPa).
Sight glass and seismic restraints available.
Tanks can also be installed in the horizontal position only.

DIMENSIONS AND WEIGHTS

Model	A in (mm)	B in (mm)	C (NPTM)	Charging Valve E	D in (mm)	F in (mm)	G in (mm)	H in (mm)	I in (mm)	J in (mm)	Ship Wt. lbs (kg)	Flooded Wt.* lbs (kg)
D-15	12 (305)	19 (483)	3/4	.302"-32 NC	10 (254)	0.14 (4)	9/16 (14)	12 (305)	2 (51)	2 (51)	42 (19)	107 (49)
D-20	12 (305)	25 (638)	3/4	.302"-32 NC	10 (254)	0.14 (4)	9/16 (14)	12 (305)	2 (51)	2 (51)	52 (24)	144 (65)
D-40	16 (406)	33 (838)	1	.302"-32 NC	14 (356)	0.14 (4)	9/16 (14)	16 (406	2 (51)	2 (51)	84 (38)	292 (132)
D-60	16 (406)	44 (1,118)	1	.302"-32 NC	14 (356)	0.14 (4)	9/16 (14)	16 (406	2 (51)	2 (51)	97 (44)	389 (176)
D-80	20 (508)	38 (965)	1	.302"-32 NC	18 (457)	0.14 (4)	9/16 (14)	20 (508)	2 (51)	2 (51)	148 (67)	523 (237)
D-100	20 (508)	49 (1,245)	1	.302"-32 NC	18 (457)	0.14 (4)	9/16 (14)	20 (508)	2 (51)	2 (51)	175 (79)	675 (306)
D-120	24 (610)	46 (1,168)	1-1/2	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	24 (610)	2 (51)	2 (51)	259 (117)	842 (382)
D-144	24 (610)	49 (1,245)	1-1/2	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	24 (610)	2 (51)	2 (51)	268 (122)	934 (424)
D-180	24 (610)	52 (1,321)	1-1/2	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	24 (610)	2 (51)	2 (51)	283 (128)	1,033 (468)
D-200	24 (610)	66 (1,676)	1-1/2	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	24 (610)	2 (51)	2 (51)	325 (147)	1,283 (582)
D-240	24 (610)	78 (1,981)	1-1/2	.302"-32 NC	22 (559)	0.14 (4)	9/16 (14)	25 (635)	3 (76)	3 (76)	362 (164)	1,528 (693)
D-260	30 (762)	63 (1,600)	1-1/2	.302"-32 NC	24 (610)	0.14 (4)	9/16 (14)	27 (686)	3 (76)	3 (76)	591 (268)	1,907 (865)
D-280	30 (762)	81 (2,057)	1-1/2	.302"-32 NC	24 (610)	0.14 (4)	9/16 (14)	27 (686)	3 (76)	3 (76)	752 (341)	2,510 (1,138)

Dimensions subject to change. Not to be used for construction purposes.
*Approximate weight 100% full occurs if bag fails or if air charge is lost.

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Morton Grove, IL 60053
Tel: (847) 966-3700 Fax: (847) 965-8379
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DOMESTIC TANK-1/2/3

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SUBMITTAL
A-318F

JOB: 22104386 BRAMPTON VICTORIA PARK CONVERTED **REPRESENTATIVE:** HTS Engineering

UNIT TAG: **ORDER NO.** **DATE:** 2025-01-31
ENGINEER: **SUBMITTED BY:** **DATE:**
CONTRACTOR: **APPROVED BY:** **DATE:**

Series "PTA" (ASME)

Residential/Commercial Potable Water Diaphragm Expansion Tanks

For Potable Water Systems

DESCRIPTION

Series "PTA" expansion tanks are ASME rated, pre-charged diaphragm-type vessels. The Series "PTA" tank is designed to absorb the forces of expanding water and protect the domestic water system from pressure build up. The FDA approved heavy duty butyl diaphragm and polypropylene liner (sizes PTA-5 through PTA-210V) or replaceable full acceptance butyl bladder (sizes PTA-447 through PTA-457) completely isolates the water from the shell. All units include an integrated bladder integrity monitor.

Models PTA-5 through PTA-210V comply with NSF/ANSI Standard 61.

FACTORY PRE-CHARGED PRESSURE: 40 PSI

CONSTRUCTION

Shell: Carbon Steel
System Connection:Stainless Steel
PTA-5 through PTA-210V: Butyl Diaphragm; Polypropylene Liner
PTA-447 through PTA-457: Replaceable Butyl Bladder

PERFORMANCE LIMITATIONS

PTA-5 through PTA-210V
240°F (115°C), 150 PSI (1,035 kPa)
PTA-447 through PTA-457
240°F (115°C) 150 PSI (1,035 kPa)

SUITABLE FOR DOMESTIC APPLICATIONS

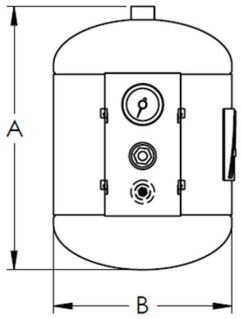
SCHEDULE

PART NUMBER	MODEL NUMBER	GALLONS (LITERS)		TAGGING INFORMATION	QUANTITY
		TANK VOLUME	Acceptance Volume		
1BN346LF	PTA-5	3.5 (13)	2.3 (9)		
1BN347LF	PTA-12	5 (19)	3.3 (12)	DOMESTIC TANK- 2	1
1BN348LF	PTA-20V	8 (30)	5.3 (20)	DOMESTIC TANK- 1 , DOMESTIC TANK -3	2
1BN349LF	PTA-30V	15 (57)	10 (38)		
1BN350LF	PTA-42V	22 (83)	14 (53)		
1BN351LF	PTA-60V	26 (98)	18 (68)		
1BN352LF	PTA-80V	35 (132)	24 (91)		
1BN353LF	PTA-100V	45 (170)	30 (113)		
1BN354LF	PTA-125V	60 (227)	40 (151)		
1BN355LF	PTA-160V	70 (265)	47 (178)		
1BN356LF	PTA-180V	80 (302)	53 (200)		
1BN357LF	PTA-210V	90 (340)	60 (227)		
1BN358LF	PTA-447	53 (200)	53 (200)		
1BN359LF	PTA-448	80 (300)	80 (300)		
1BN360LF	PTA-449	106 (400)	106 (400)		
1BN361LF	PTA-450	132 (500)	132 (500)		
1BN362LF	PTA-451	158 (600)	158 (600)		
1BN363LF	PTA-452	211 (800)	211 (800)		
1BN364LF	PTA-453	264 (1,000)	264 (1,000)		
1BN365LF	PTA-454	317 (1,200)	317 (1,200)		
1BN366LF	PTA-455	370 (1,400)	370 (1,400)		
1BN367LF	PTA-456	422 (1,600)	422 (1,600)		
1BN368LF	PTA-457	528 (2,000)	528 (2,000)		

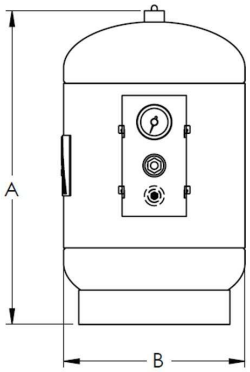
DOMESTIC TANK-1/2/3

DIAPHRAGM EXPANSION TANKS - PRE-PRESSURIZED (ASME CONSTRUCTION) **A-318F**

DIMENSIONS AND WEIGHTS



PTA-5 thru PTA-12



PTA-20V thru PTA-210V

DIMENSIONS IN INCHES (MM)

MODEL NUMBER	A HEIGHT	B DIAMETER	SYSTEM CONNECTION	CHARGING VALVE	Shipping Wt Lbs. (Kg)
PTA-5	14 (356)	10 (254)	3/4" NPTF	.302"-32 NC	22 (10)
PTA-12	14 (356)	12 (305)	3/4" NPTF	.302"-32 NC	28 (13)
PTA-20V	21 (508)	12 (305)	3/4" NPTF	.302"-32 NC	34 (15)
PTA-30V	25 (610)	16 (406)	1" NPTF	.302"-32 NC	50 (23)
PTA-42V	31 (787)	16 (406)	1" NPTF	.302"-32 NC	57 (26)
PTA-60V	34 (864)	16 (406)	1" NPTF	.302"-32 NC	62 (28)
PTA-80V	45 (1,143)	20 (508)	1" NPTF	.302"-32 NC	80 (36)
PTA-100V	39 (991)	20 (508)	1" NPTF	.302"-32 NC	110 (50)
PTA-125V	50 (1,270)	24 (610)	1" NPTF	.302"-32 NC	134 (61)
PTA-160V	47 (1,194)	24 (610)	1-1/2" NPTF	.302"-32 NC	177 (80)
PTA-180V	50 (1,270)	24 (610)	1-1/2" NPTF	.302"-32 NC	184 (83)
PTA-210V	53 (1,346)	24 (610)	1-1/2" NPTF	.302"-32 NC	193 (88)
PTA-447	43 (1,092)	24 (610)	1-1/2" NPTF	.302"-32 NC	220 (100)
PTA-448	55 (1,397)	24 (610)	1-1/2" NPTF	.302"-32 NC	236 (107)
PTA-449	49 (1,245)	30 (762)	1-1/2" NPTF	.302"-32 NC	315 (143)
PTA-450	57 (1,448)	30 (762)	2" NPTF	.302"-32 NC	347 (158)
PTA-451	65 (1,651)	30 (762)	2" NPTF	.302"-32 NC	378 (172)
PTA-452	76 (1,930)	32 (813)	2" NPTF	.302"-32 NC	503 (229)
PTA-453	86.5 (2,197)	36 (914)	3" NPTF	.302"-32 NC	795 (361)
PTA-454	98.5 (2,502)	36 (914)	3" NPTF	.302"-32 NC	820 (373)
PTA-455	110.5 (2,807)	36 (914)	3" NPTF	.302"-32 NC	980 (445)
PTA-456	84 (2,134)	48 (1,219)	3" NPTF	.302"-32 NC	1,395 (634)
PTA-457	96 (2,438)	48 (1,219)	3" NPTF	.302"-32 NC	1,525 (693)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

TYPICAL SPECIFICATIONS

Furnish and install as shown on plans a _____ gallon (_____ liter), _____" (_____mm) diameter x _____" (_____mm) high pre-charged vertical steel expansion tank with integral FDA approved, heavy duty butyl blend diaphragm and _____ lined dome, for domestic potable water. The tank shall have a _____" NPT system connection, and a .302"-32 charging valve connection (standard tire valve) to facilitate on-site charging of the tank to meet system requirements. The tank shall include an integrated bladder integrity monitor.

The tank must be constructed in accordance with ASME Code Section VIII Division 1. The tank must be designed for a maximum working pressure of _____ PSI (_____ kPa) and maximum working temperature of _____°F (_____°C).

Each tank shall be Xylem - Bell & Gossett Model No. _____

Xylem Inc.
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