

SHOP DRAWING REVIEW FORM AND TRANSMITTAL

DATE: November 5, 2021

TO: Carl Hendrickson
Project Manager
Veolia Water
825 West Water Street
Taunton, MA 02780

FROM: Michael Andrus, P.E.
Project Manager
BETA Group, Inc.
701 George Washington Hwy
Lincoln, Rhode Island 02865

RE: City of Taunton, MA
WWTF Phase 1 Improvements
Contract S-2021-1

Shop Drawing No. 15500-02 – Heating Specialties

BETA COMMENTS:

<u>Item</u>	<u>Action Code</u>	<u>Description/Comments</u>
1	2	Heating Specialties (Taco) 1. See attached comments from SAR.

Action Codes

- 1 - No Exception Taken
- 2 - Make Corrections Noted
- 3 - Amend and Resubmit
- 4 - Rejected, See Remarks

- a. Installation shall proceed only when Action Code is '1' or '2'.
- b. Submittals action coded '3' shall be resubmitted within time limit set in Contract.
- c. Review does not relieve Contractor from responsibility of compliance with the Contract Documents.



PROJECT: 9900. - Veolia/Taunton WWTF Phase 1 Improvements

DATE: 10/29/2021

SUBMITTAL: 15500-02 - Heating Specialties

REVISION: 0

STATUS: Eng

SPEC #: 15500

TO:
Michael Andrus
 Beta Group Inc.
 6 Blackstone Place
 Lincoln, RI 02865
 MAndrus@BETA-Inc.com

FROM:
Ryan Murphy
 Hart Engineering Corporation
 800 Scenic View Drive
 Cumberland, RI 02864
 rmurphy@hartcompanies.com

Item	Revision	Description	Status	Date Sent	Date Returned
15500-02	0	Heating Specialties	Eng	10/29/2021	
Notes:					

Additional Notes:

Status Codes

- 1-APP – No Exceptions Taken
- 2-ANR – Make Corrections Noted
- 3-R&R – Revise and Resubmit
- 4-REJ – Rejected
- 5-IPO – For Information Purposes Only
- 6-NRR – Not Required for Review
- ENG – Submitted to Engineer

Sincerely,
 Hart Engineering Corporation

SHOP DRAWING REVIEW

1 – Approved
 2 – Approved as Noted
 3 – Revise and Resubmit
 4 – Rejected
 5 – Record File Only – No Action Taken

(Above Check Designates Action Code – See Review Comments)

IMPORTANT NOTE FOR CONTRACTOR

Review is only for general compliance with the design concept and information provided in Contract Documents. Corrections and comments made on the Shop Drawings during review do not relieve the Contractor from compliance with the requirements of the plans and specifications. Review and/or approval of a specific item shall not include review or approval of an assembly of which the item is a component. No approval or correction of a Shop Drawing shall be construed as an order for extra work. The Contractor is responsible for: all quantities and dimensions to be confirmed and correlated; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all trades and subcontractors; and performing all Work in a safe and satisfactory manner.

BETA GROUP, INC.

Checked By: RB (SAR)

By: MLA Date: 11/5/21

DATE: 10/29/2021



TO: BETA Group

701 George Washington Highway

Lincoln, RI 02865

Attention: Mike Andrus

Sent by: R. Brown

Date: November 5, 2021

SAR Job Number: 18009.00

Reference: Taunton WWTF Upgrades – Phase 1

Enclosed Herewith We are sending you the following item(s):

- VIA Print(s) Reproducible(s) Original Drawing(s)
- Mail Diskette(s) Report(s) Sketch (es)
- Messenger Shop Drawing(s) Specification(s) Sample(s)
- Express Copy of Letter Change Order Other _____
- Email: Filename: _____ Time Sent _____ AM

Copies	Date	Description
1		15500-02 REV 0 – Heating Specialties

These are transmitted as indicated

- For approval For review and comment As requested For your information

Remarks

Copy to

File(s)

Transmittal Enclosure



Review Comments

JOB: Taunton WWTF Upgrades – Phase 1

DATE: November 5, 2021

SUBMITTAL NO.: 15500-02 REV 0

SUBJECT: Heating Specialties

<input type="checkbox"/> NO EXCEPTION	<input type="checkbox"/> MAKE CORRECTIONS
<input type="checkbox"/> TAKEN	<input checked="" type="checkbox"/> NOTED
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: Dimensions which shall be confirmed and correlated at the job site fabrications process and techniques of construction; coordination of His work with that all other trades; and the satisfactory performance of his work.

SAR ENGINEERING, INC.

DATE: November 5, 2021 **BY:** R. Brown

R-2/21/2003

Comments:

1. Coordinate sizes of Suction Diffusers and Multi Purpose Valves with Braided Flex Connectors in submittal 15500-03.



Aero Mechanical, Inc.

10 Leah St.
Johnston, RI 02919

Phone: 401-751-8880
Fax: 401-751-7595

SUBMITTAL

No. 2

TITLE: Heating Specialties
PROJECT: Hart Taunton WWTF
Drawing: _____
STATUS: NEW
BIC: _____

REQUIRED START: 10/27/2021
REQUIRED FINISH: 11/3/2021
DAYS HELD: _____
DAYS ELAPSED: _____
DAYS OVERDUE: _____

RECEIVED FROM	SENT TO	RETURNED BY	FORWARDED TO
Independent/ A. Goldstein	R. Murphy		

Revision No.	Description / Remarks	Received	Sent	Returned	Forwarded	Status
NEW	Heating Specialties	10/27/2021	10/27/2021			NEW



Submittal Data Information Plus Two Multi-Purpose Valve

301-235

SUPERSEDES: July 15, 2017

EFFECTIVE: March 22, 2018

JOB Taunton WWTf ENGINEER SAR CONTRACTOR Aero Mech REP. ES

ITEM	QUANTITY	MODEL NO.	SIZE
FOR 7HWP-1,2 & 9HWP-1,2	4	MPV030	3"

DIMENSIONS

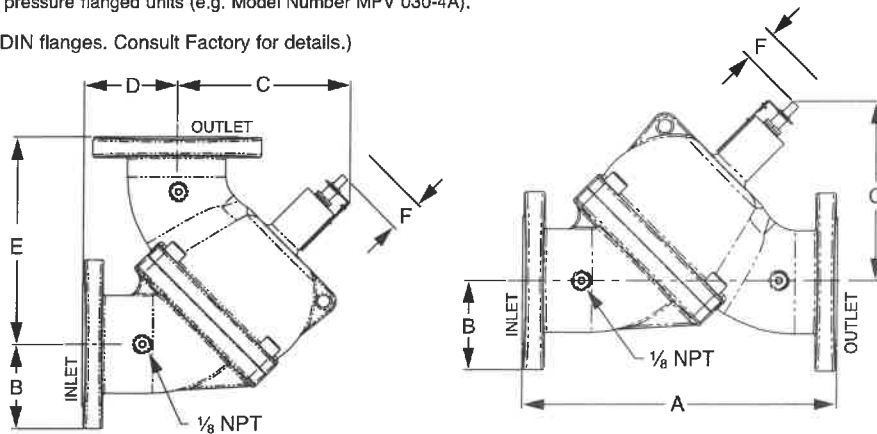
Model Number	Size	Connection	A	B (Class 125*)	B (Class 250*)	C	D	E	F	C _v	Weight (125#)	Weight (250#)
MPV 015-4	1½ (38.1) NPT	Threaded	8.00 (203)	1.44 (037)	1.44 (037)	4.70 (119)	2.39 (061)	5.64 (143)	1.3 (33.0)	69	12 (5.5)	12 (5.5)
MPV 020-4	2 (50.8) NPT	Threaded	8.00 (203)	1.44 (037)	1.44 (037)	4.70 (119)	2.39 (061)	5.64 (143)	1.3 (33.0)	77	12 (5.5)	12 (5.5)
MPV 025-4	2½ (63.5) NPT	Threaded	10.63 (270)	1.93 (049)	1.93 (049)	4.97 (126)	3.50 (089)	7.30 (185)	1.6 (40.6)	122	32 (15)	32 (15)
MPV 030-4*	3 (76.2)	Flanged	11.75 (298)	3.75 (095)	4.13 (105)	6.15 (156)	3.90 (099)	7.85 (199)	1.8 (45.7)	209	38 (17)	46 (21)
MPV 040-4*	4 (101.6)	Flanged	13.75 (349)	4.50 (114)	4.50 (114)	8.51 (216)	4.18 (106)	9.63 (245)	2.1 (53.3)	357	67 (30)	84 (38)
MPV 050-4*	5 (127.0)	Flanged	17.63 (448)	5.00 (127)	5.50 (140)	11.26 (286)	5.25 (133)	12.28 (312)	2.4 (61.0)	459	105 (48)	126 (57)
MPV 060-4*	6 (152.4)	Flanged	20.35 (517)	5.50 (140)	6.25 (159)	11.28 (287)	6.07 (154)	14.23 (361)	2.7 (68.6)	701	134 (61)	176 (80)
MPV 080-4*	8 (203.2)	Flanged	25.88 (657)	6.75 (171)	7.50 (191)	13.58 (345)	6.75 (171)	19.13 (486)	3.9 (99.1)	1200	293 (133)	341 (155)
MPV 100-4*	10 (254.0)	Flanged	30.00 (762)	8.00 (203)	8.75 (222)	15.82 (402)	8.81 (224)	21.20 (538)	4.4 (111.8)	1826	466 (212)	536 (243)
MPV 120-4*	12 (304.8)	Flanged	36.70 (932)	9.50 (241)	10.25 (260)	17.54 (446)	9.98 (253)	26.64 (677)	4.9 (124.5)	2430	724 (329)	811 (368)
MPV 140-4*	14 (355.6)	Flanged	41.56 (1056)	10.50 (267)	11.50 (292)	22.80 (579)	12.09 (307)	29.47 (749)	5.4 (137.2)	3147	1105 (502)	1182 (537)

NOTE: Dimensions are in inches. Metric dimensions are in millimeters and are in parentheses (). Weights are in lb (kg).

'F' is the distance required to replace packing under pressure. 'A,C,D,E,F' applies to Class 250 flanged units also.

* Append 'A' for Class 250* working pressure flanged units (e.g. Model Number MPV 030-4A).

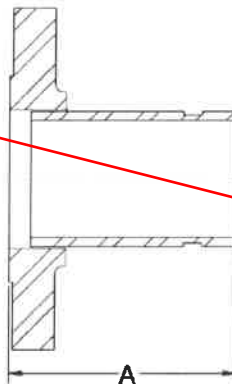
(All sizes available with optional DIN flanges. Consult Factory for details.)



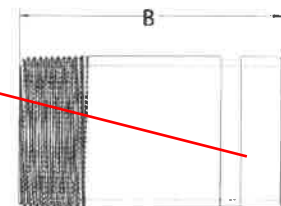
GROOVED ADAPTER

Class 125 Assembly Part No.	Class 250 Assembly Part No.	Size	'A'
FTG020-5	FTG020-5A	2"	4"
FTG025-5	FTG025-5A	2-1/2"	
FTG030-5	FTG030-5A	3"	
FTG040-5	FTG040-5A	4"	6"
FTG050-5	FTG050-5A	5"	
FTG060-5	FTG060-5A	6"	
FTG080-5	FTG080-5A	8"	8"
FTG100-5	FTG100-5A	10"	
FTG120-5	FTG120-5A	12"	
FTG140-5	FTG140-5A	14"	

THREADED - GROOVED



Class 125 + 250 Assembly Part No.	Size	'B'
TTG015-5	1-1/2"	4"
TTG020-5	2"	
TTG025-5	2-1/2"	



FLANGED - GROOVED

Note: Adapters required to convert flanged & threaded MPV to grooved.

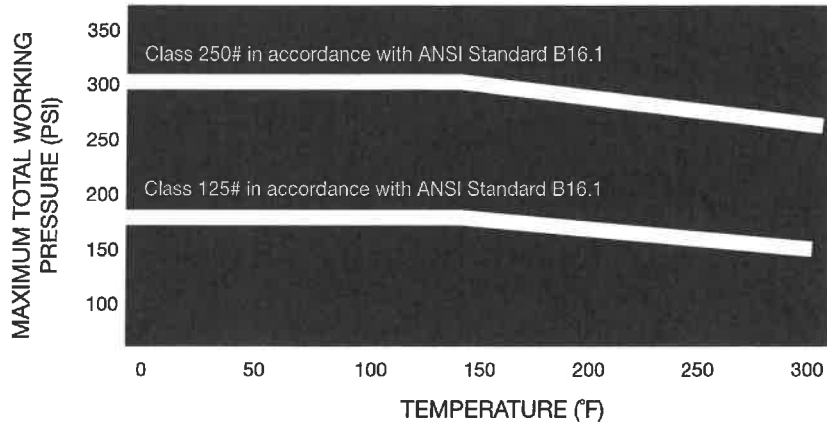
FEATURES

- Horizontal or Vertical Installation
- Field Convertible to a Right Angle Valve
- Stem Seal Packing (replaceable under pressure)
- Memory Indicator, Pointer and Scale
- Shrader Valve Metering Connections
- "O" Ring Sealed Valve Body
- Replaceable "Soft Seal"
- Low Pressure Drop (equal to or better than any comparable valve on the market today)
- Five (5) Valves in One:
 - Shut Off Valve
 - Flow Control Valve (globe style)
 - Non Slam Check Valve
 - Flow Metering Valve
 - Straight Pattern Valve Convertible to a Right Angle Pattern Valve
- Available with Class 125* flanges or Class 250* flanges. Consult pressure/temperature chart on page 2 for operating limitations. (Flanged units are raised faced design.)

MATERIALS OF CONSTRUCTION

- Body - Ductile Iron
- Spring - Stainless Steel (302)
- Gland - Bronze
- Stem Packing - Teflon Impregnated Aramid Fiber (asbestos free)
- Stem - Bronze/Stainless Steel (416)
- Seat - EPDM
- Seat Disc - Stainless Steel (304)
- Body O-Ring - EPDM
- Adapter - Steel

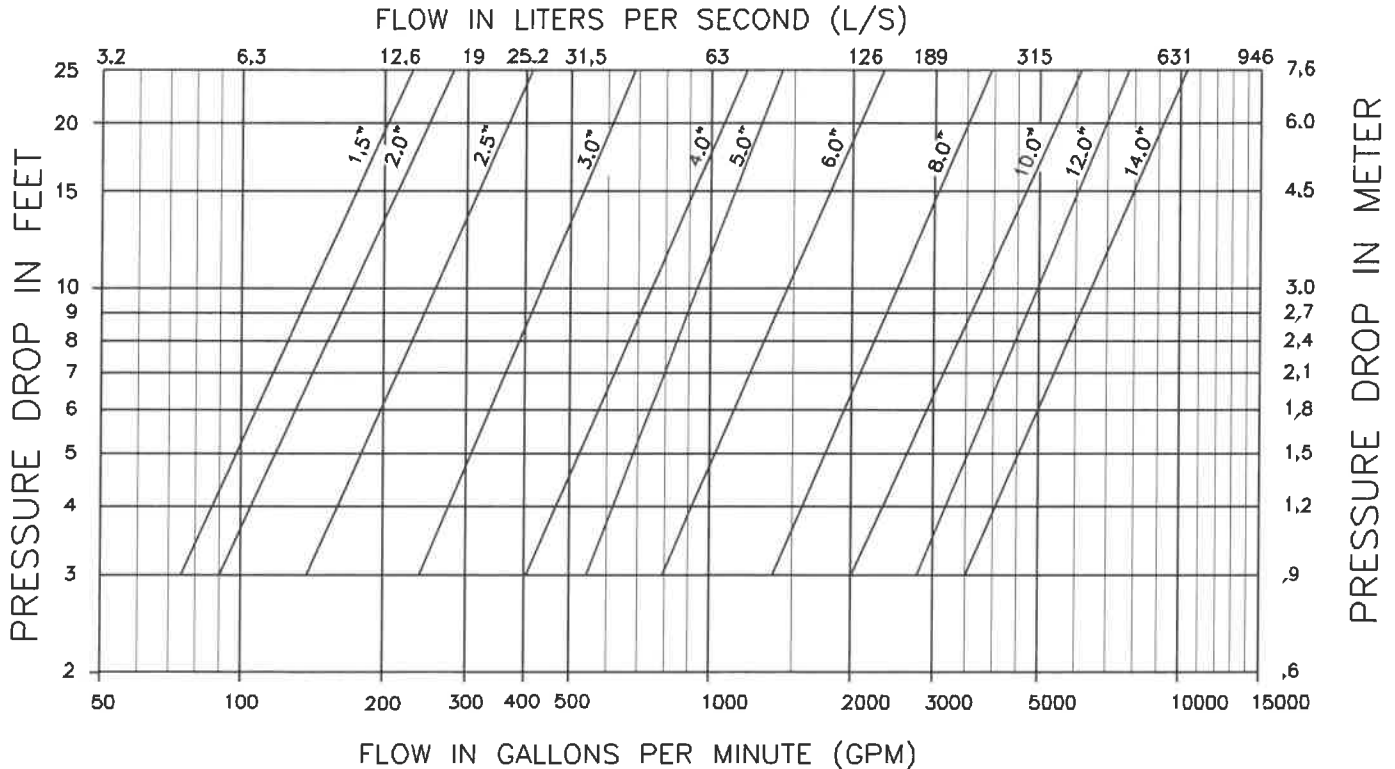
PRESSURE TEMPERATURE RATINGS



OPERATING SPECIFICATIONS

	Standard	Optional
Flange	Class 125*	Class 250*
Pressure	175 PSIG* (1210 KPA)	300 PSIG* (2070 KPA)
Temperature	250°F (120°C**)	250°F (120°C**)

*Per Pressure Temperature Ratings chart to left.



Taco, Inc., 1160 Cranston Street, Cranston, RI 02920 | Tel: (401) 942-8000 | FAX: (401) 942-2360
Taco (Canada), Ltd., 8450 Lawson Road, Suite #3, Milton, Ontario L9T 0J8 | Tel: (905) 564-9422 | FAX: (905) 564-9436
 Visit our web site: www.TacoComfort.com | Printed in USA | ©2017 Taco, Inc.





Submittal Data Information

Suction Diffuser Rear Strainer Pullout (RSP)

"Flanged"

301-239.1

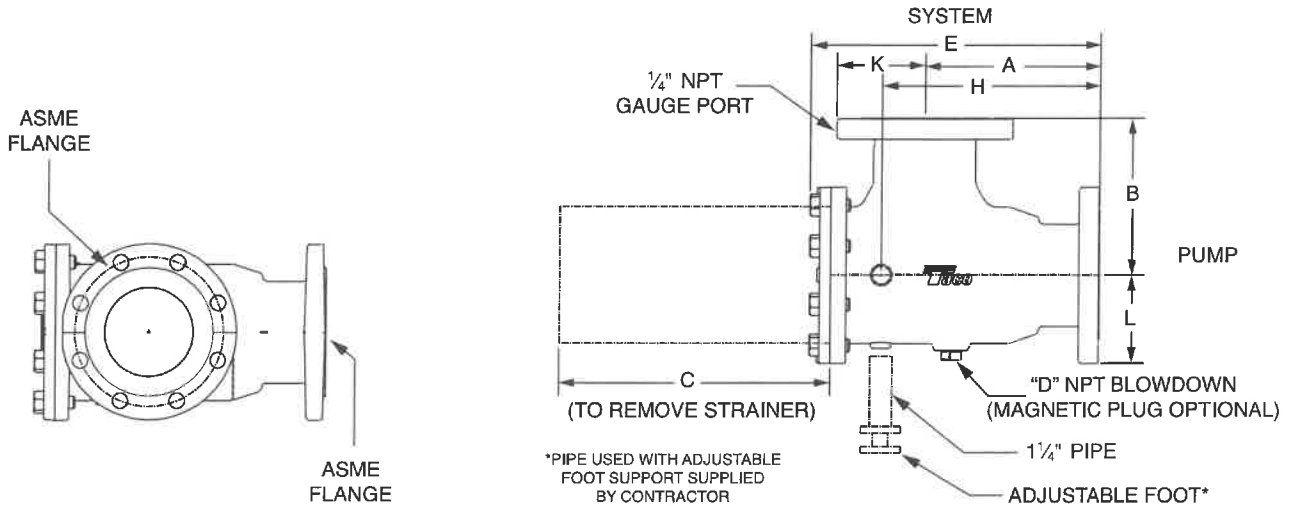
SUPERSEDES: September 17, 2013

EFFECTIVE: July 15, 2017

JOB Taunton WWTF ENGINEER SAR CONTRACTOR Aero Mech REP. ES

ITEM	QUANTITY	MODEL NO.	SIZE
FOR 7HWP-1,2	2	SD050030RSP	5X3
FOR 9HWP-1,2	2	SD040030RSP	4X3

DIMENSIONS



Model Number	System	Pump	C _v	Free Area (sq. in.)	A (Class 125)*	A (Class 250)*	B	C	D	E (Class 125)*	E (Class 250)*	H (Class 125)*	H (Class 250)*	K (Class 125)*	K (Class 250)*	L (Class 125)*	L (Class 250)*	WGT. (Class 125)	WGT. (Class 250)
SD020015-5	2 Flanged	1½ Flanged	54	21	5.69 (145)	6.06 (154)	5.39 (137)	8.49 (216)	¾	9.25 (235)	9.62 (244)	6.92 (176)	7.29 (185)	3.00 (076)	3.25 (083)	2.50 (064)	3.06 (078)	22 (010)	27 (012)
SD020020-5	2 Flanged	2 Flanged	106	21	5.44 (138)	5.69 (145)	5.39 (137)	8.24 (209)	¾	9.00 (229)	9.25 (235)	6.67 (169)	6.92 (176)	3.00 (076)	3.25 (083)	3.00 (076)	3.25 (083)	24 (011)	28 (013)
SD025020-5	2½ Flanged	2 Flanged												3.50 (089)	3.75 (095)	3.00 (076)	3.25 (083)	27 (012)	35 (016)
SD030020-5	3 Flanged	2 Flanged												3.75 (095)	4.12 (105)	3.00 (076)	3.25 (083)	29 (013)	39 (018)
SD025025-5	2½ Flanged	2½ Flanged	135	24	6.06 (154)	6.56 (167)	6.01 (153)	8.97 (228)	¾	9.83 (250)	10.35 (263)	7.41 (188)	7.91 (201)	3.50 (089)	3.75 (095)	3.50 (089)	3.75 (095)	38 (017)	54 (025)
SD030025-5	3 Flanged	2½ Flanged			6.06 (154)	6.56 (167)	6.01 (153)		1	9.83 (250)		7.41 (188)	7.91 (201)	3.75 (095)	4.12 (105)	3.50 (089)	3.75 (095)	38 (017)	52 (024)
SD040025-5	4 Flanged	2½ Flanged			6.07 (154)	6.07 (154)	8.45 (215)		¾	8.93 (227)		7.59 (193)	7.59 (193)	4.43 (113)	4.93 (125)	3.50 (089)	3.75 (095)	52 (024)	65 (030)
SD030030-5	3 Flanged	3 Flanged	220	35	6.86 (174)	7.62 (194)	6.56 (167)	10.47 (266)	1	11.41 (290)	12.18 (309)	8.32 (211)	9.09 (231)	3.75 (095)	4.12 (105)	3.75 (095)	4.12 (105)	50 (023)	66 (030)
SD040030-5	4 Flanged	3 Flanged				4.50 (114)	5.00 (127)							3.75 (095)	4.12 (105)	55 (025)	72 (033)		
SD050030-5	5 Flanged	3 Flanged				6.86 (174)	8.94 (227)							8.51 (216)	8.51 (216)	4.93 (125)	5.43 (138)	3.75 (095)	4.13 (105)
SD040040-5	4 Flanged	4 Flanged	380	64	7.94 (202)	8.93 (227)	8.45 (215)	12.86 (327)	1	13.96 (355)	14.90 (378)	10.29 (261)	11.28 (287)	4.50 (114)	5.00 (127)	4.50 (114)	5.00 (127)	73 (033)	91 (041)
SD050040-5	5 Flanged	4 Flanged												5.00 (127)	5.50 (140)	4.50 (114)	5.00 (127)	75 (034)	97 (044)
SD060040-5	6 Flanged	4 Flanged												5.50 (140)	6.25 (159)	4.50 (114)	5.00 (127)	79 (036)	109 (049)

NOTE: Dimensions are in inches. Metric dimensions are in millimeters and are in parentheses (). Weights are in lb (kg).
 'C' is the distance required to replace strainer.

* Append 'A' for Class 250 working pressure flanged units (pump side) – e.g. Model Number SD040030-4A.

DIMENSIONS (continued)

Model Number	System	Pump	C _v	Free Area (sq. in.)	A (Class 125)*	A (Class 250)*	B	C	D	E (Class 125)*	E (Class 250)*	H (Class 125)*	H (Class 250)*	K (Class 125)*	K (Class 250)*	L (Class 125)*	L (Class 250)*	WGT. (Class 125)*	WGT. (Class 250)*										
SD050050-5	5 Flanged	5 Flanged	669	100	10.06 (256)	10.06 (256)	8.94 (227)	15.36 (390)	1	16.54 (420)	16.54 (420)	12.48 (317)	12.48 (317)	5.00 (127)	5.50 (140)	5.00 (127)	5.50 (140)	90 (041)	116 (053)										
SD060050-5	6 Flanged	5 Flanged																			5.50 (140)	6.25 (159)	5.00 (127)	5.50 (140)	96 (044)	127 (058)			
SD080050-5	8 Flanged	5 Flanged												13.21 (336)						12.67 (322)	12.67 (322)	6.68 (170)	7.43 (189)	5.00 (127)	5.50 (140)	151 (069)	194 (088)		
SD060060-5	6 Flanged	6 Flanged	985	146	11.58 (294)	12.08 (307)	11.17 (284)	19.02 (483)	1	20.39 (518)	20.89 (531)	16.17 (411)	16.67 (423)	5.50 (140)	6.25 (159)	5.50 (140)	6.25 (159)	151 (069)	193 (088)										
SD080060-5	8 Flanged	6 Flanged																						6.75 (171)	7.50 (191)	5.50 (140)	6.25 (159)	170 (077)	215 (098)
SD100060-5	10 Flanged	6 Flanged																							8.00 (203)	8.75 (222)	5.50 (140)	6.25 (159)	182 (083)
SD080080-5	8 Flanged	8 Flanged	1657	248	14.43 (367)	15.31 (389)	13.21 (336)	23.79 (604)	1	25.32 (643)	26.19 (685)	20.22 (514)	21.1 (536)	6.75 (171)	7.50 (191)	6.75 (171)	7.50 (191)	271 (123)	319 (145)										
SD100080-5	10 Flanged	8 Flanged																						8.00 (203)	8.75 (222)	6.75 (171)	7.50 (191)	284 (129)	351 (159)
SD120080-5	12 Flanged	8 Flanged																							9.50 (241)	10.25 (260)	6.75 (171)	7.50 (191)	305 (138)
SD100100-5	10 Flanged	10 Flanged	2650	394	18.36 (466)	19.61 (498)	14.54 (369)	29.40 (747)	1	31.10 (790)	32.35 (822)	25.64 (651)	26.89 (683)	8.00 (203)	8.75 (222)	8.00 (203)	8.75 (222)	400 (182)	482 (219)										
SD120100-5	12 Flanged	10 Flanged																						9.50 (241)	10.25 (260)	8.00 (203)	8.75 (222)	420 (191)	518 (235)
SD140100-5	14 Flanged	10 Flanged																							11.50 (292)	10.25 (260)	8.00 (203)	8.75 (222)	441 (200)
SD120120-5	12 Flanged	12 Flanged	3000	570	20.39 (518)	22.64 (575)	16.62 (422)	33.72 (856)	1	35.50 (902)	37.75 (959)	29.83 (758)	32.08 (815)	9.50 (241)	10.25 (260)	9.50 (241)	10.25 (260)	589 (267)	703 (319)										
SD140120-5	14 Flanged	12 Flanged																						11.50 (292)	11.50 (292)	9.50 (241)	10.25 (260)	617 (280)	786 (357)
SD160120-5	16 Flanged	12 Flanged																							11.75 (298)	12.75 (324)	9.50 (241)	10.25 (260)	651 (296)
SD140140-5	14 Flanged	14 Flanged	3940	628	22.31 (567)	22.31 (567)	19.26 (489)	34.00 (864)	1	37.66 (957)	37.66 (957)	31.61 (803)	31.61 (803)	10.50 (267)	11.50 (292)	10.50 (267)	11.50 (292)	895 (406)	1049 (476)										
SD160140-5	16 Flanged	14 Flanged																							11.75 (298)	12.75 (324)	10.50 (267)	11.50 (292)	934 (424)

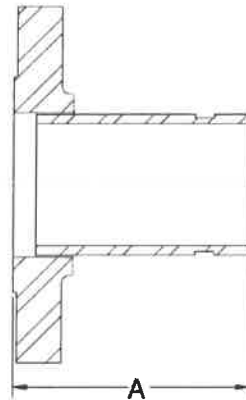
NOTE: Dimensions are in inches. Metric dimensions are in millimeters and are in parentheses (). Weights are in lb (kg).
 'C' is the distance required to replace strainer.

* Append 'A' for Class 250 working pressure flanged units (pump side) – e.g. Model Number SDG040030-4A.

GROOVED ADAPTER

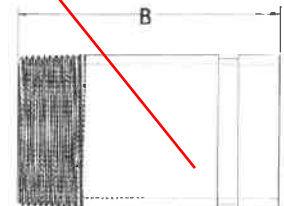
FLANGED - GROOVED

Class 125 Assembly Part No.	Class 250 Assembly Part No	Size	'A'
FTG020-5	FTG020-5A	2"	4"
FTG025-5	FTG025-5A	2-1/2"	
FTG030-F	FTG030-5A	3"	
FTG040-5	FTG040-5A	4"	6"
FTG050-5	FTG050-5A	5"	
FTG060-5	FTG060-5A	6"	
FTG080-5	FTG080-5A	8"	8"
FTG100-5	FTG100-5A	10"	
FTG120-5	FTG120-5A	12"	
FTG140-5	FTG140-5A	14"	



THREADED - GROOVED

Class 125 + 250 Assembly Part No.	Size	'B'
TTG015-5	1-1/2"	4"
TTG020-5	2"	
TTG025-5	2-1/2"	



FLANGED - GROOVED

Note: Adapters required to convert flanged & threaded MPV to grooved.

FEATURES

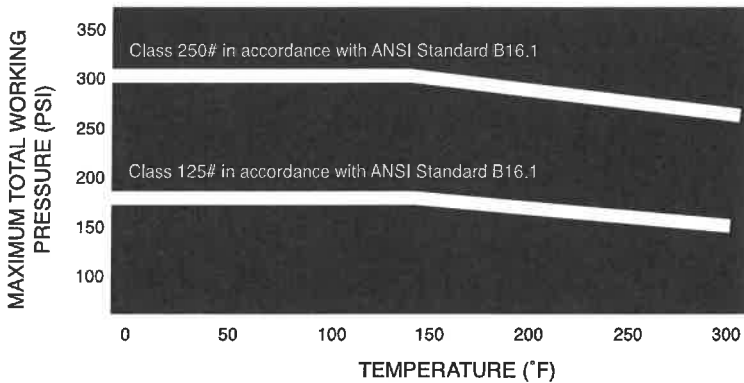
- Integral Cast Straightening Vanes ensure uniform flow to the suction inlet of the pump
- Oversized Body Cylinder ensures minimal pressure drop
- Metering Port allows for the monitoring of system conditions
- Disposable Fine Mesh Start-Up Strainer promotes cleaner, more trouble-free system
- Removable Cover Plate and reusable "O" Ring allows for easy access and maintenance of Permanent Strainer
- Blow Down port allows for routine maintenance and removal of sediment and debris
- Ductile Iron Body on all units
- Optional Magnetic Insert to trap small metallic particles
- Available with Class 125* flanges or Class 250* flanges. Consult pressure/temperature chart below for operating limitations. (Flanged units are raised faced design.)

(All sizes available with optional DIN Flanges. Consult factory for details)

MATERIALS OF CONSTRUCTION

- | | |
|------------------------------|-------------------------|
| Body | - Ductile Iron |
| Cover | - Ductile Iron |
| Straightening Vanes | - Integral Ductile Iron |
| Permanent Strainer | - Stainless Steel (304) |
| Disposable Start Up Strainer | - Bronze (16 Mesh) |
| Cover O-Ring | - EPDM |
| Grooved Adapter | - Steel |

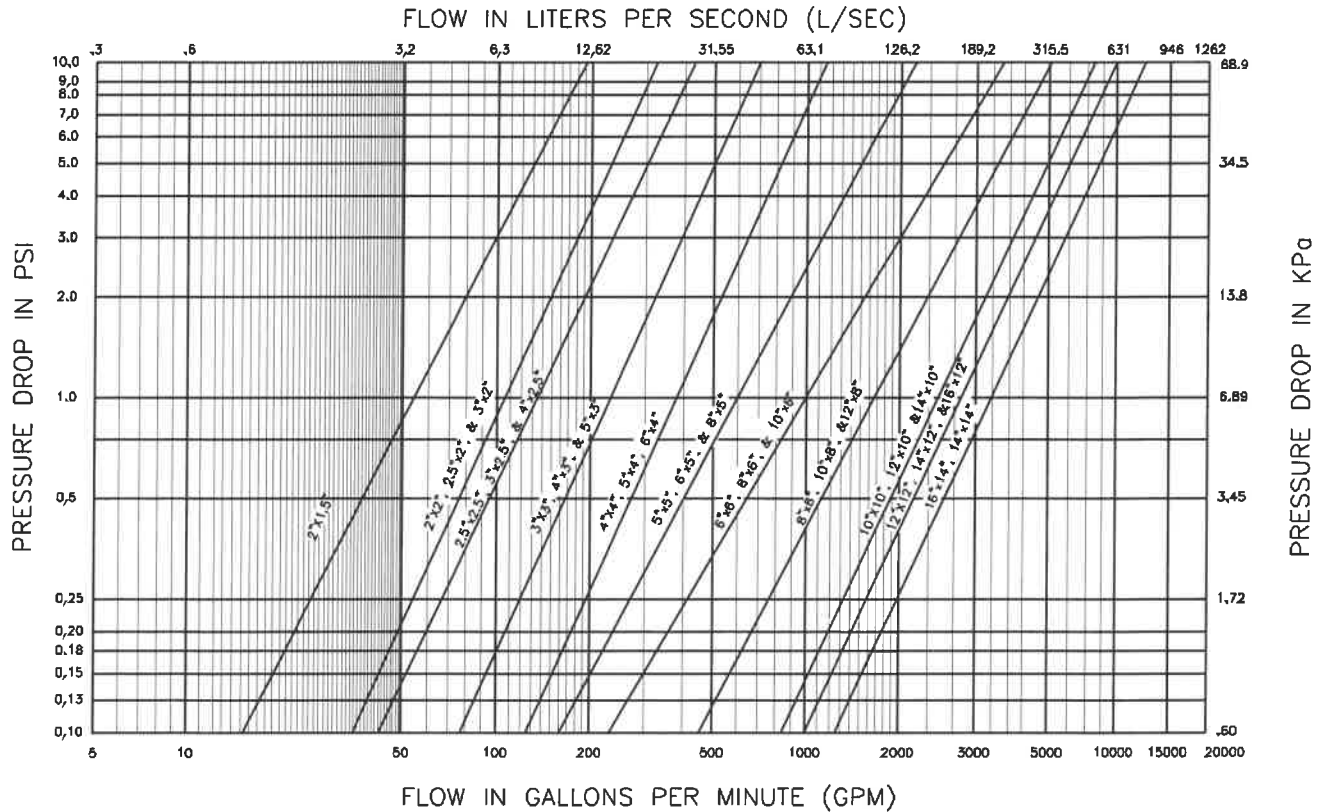
PRESSURE TEMPERATURE RATINGS



OPERATING SPECIFICATIONS

	Standard	Optional
Flange	Class 125*	Class 250*
Pressure	175 PSIG* (1210 KPA)	300 PSIG* (2070 KPA)
Temperature	250°F (120°C**)	250°F (120°C**)

* Per Pressure Temperature Ratings chart to left.



Taco Comfort Solutions A Taco Family Company

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SUPERSEDES: November 15, 2013

EFFECTIVE: March 10, 2016

Job: **Taunton WWTF**

Quantity	Item No.	Model No.	Precharge*	Working Pressure
1	7ET-1	CBX425	12	125
1	9ET-1	CBX300		

*Unless otherwise specified, standard precharge of 12 PSIG. (83 KPa)

CONSTRUCTION

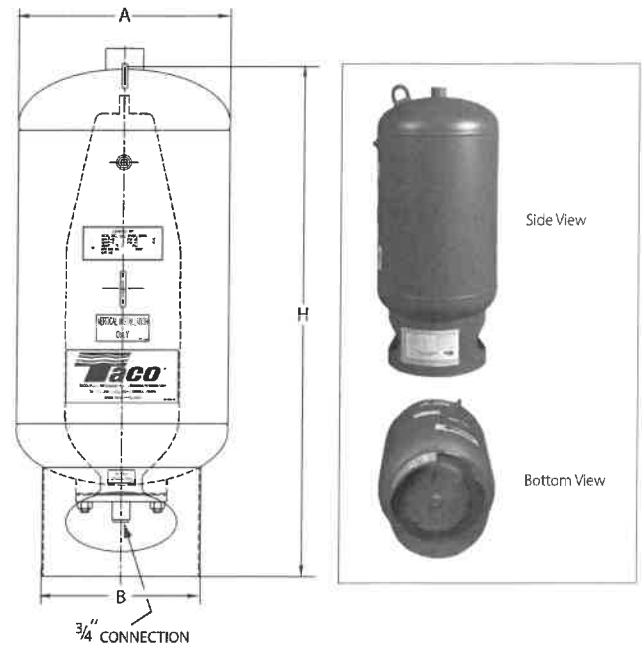
- Seamless bladder type for permanent separation of air and water.
- Water expands into bladder. Air precharge on shell side.

SPECIFICATIONS

- Shell – Fabricated Steel designed and constructed per ASME Section VIII, Div. 1.
- Bladder – Heavy Duty Butyl removable for inspection.
- Working Pressure – 125 PSIG (862 KPa) (150 PSIG optional).
- Operating Temperature – 240°F (116°C) Max.
- Lifting rings not included on CBX 15, CBX 30 and CBX 42.
- Not for use with potable water.
- **VERTICAL INSTALLATION ONLY.**

APPLICATIONS

- Hydronic Expansion Tank
- Non-Potable Hydropneumatic and Drawn Down Applications



DIMENSIONS

All dimensions shown are subject to change and should not be used for pre-piping. Contact your local Taco representative should certified dimensional drawings be required.



MODEL NUMBER	TANK VOLUME		ACCEPT. VOLUME		H HEIGHT		A DIAMETER		B DIAMETER		APPROX. SHIPPING WEIGHT	
	GAL.	LIT.	GAL.	LIT.	INCH	MM	INCH	MM	INCH	MM	LBS.	Kg
CBX15-125	4	15	2.5	9.5	15	381	14	356	12	305	45	20
CBX30-125	8	30	5	19	22 3/16	564	14	356	12	305	90	41
CBX42-125	11	42	5	19	27 3/16	690	14	356	12	305	105	48
CBX84-125	22	84	12	45	38 9/16	980	16	406	12	305	150	68
CBX130-125	34	130	19	72	37 5/16	948	20	508	16	406	200	91
CBX170-125	45	170	24	91	43 5/8	1108	20	508	16	406	240	109
CBX254-125	67	254	34	129	48 13/16	1240	24	610	20	508	280	127
→ CBX300-125	79	300	43	163	55 5/16	1405	24	610	20	508	300	136
→ CBX350-125	92	350	43	163	62 5/16	1583	24	610	20	508	330	150
CBX425-125	112	425	61	231	69	1753	24	610	20	508	380	172
CBX500-125	132	500	61	231	79 7/16	2018	24	610	20	508	425	193
CBX600-125	160	600	61	231	68 1/8	1730	30	762	24	610	515	234
CBX800-125	212	800	61	231	86 1/8	2188	30	762	24	610	605	275

COMMENTS: **PRECHARGE IS FIELD ADJUSTABLE**



SUPERSEDES: March 8, 2016

EFFECTIVE: January 5, 2017

JOB **Taunton WWTF** ENGINEER **SAR** CONTRACTOR **Aero Mech** REP. **ES**

ITEM NO.	LOCATION	MODEL NO.	QUANTITY	GPM
7AS-1		4906A	1	
9AS-1		4904A	1	

SPECIFICATIONS

- Designed and constructed per ASME Code Section VIII Div. 1
- Registered with the National Board of Pressure Vessel Manufacturers
- Standard Design Pressure and Temperature: 125 psi @ 240°F
- Construction: Carbon Steel with exterior red oxide primer finish
- 304 Stainless Steel Coalescence Pall Rings
- Taco 4900 units are designed to be self-supporting in the piping system. Factory review is necessary should any piping loads be present.

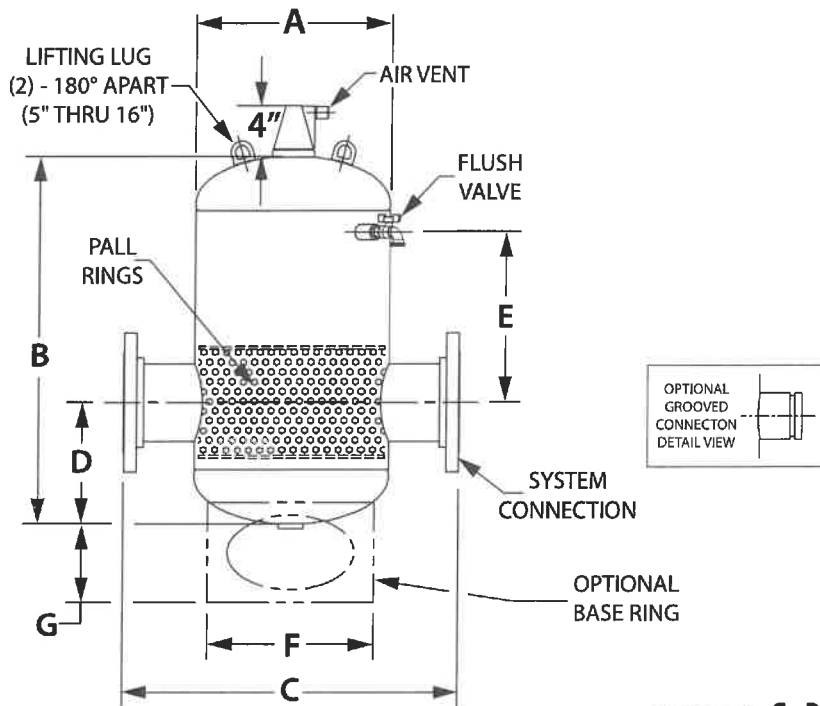
CAUTION: LIFTING LUGS FOR RIGGING AND LIFTING USE ONLY, NOT FOR ANCHORING OR HANGING.

FACTORY INSTALLED

- Air Vent is suitable for water, max. 50% glycol
- Flush Valve

OPTIONS

- Higher Design Pressures and Temperatures
 - 150 psi @ 240°F, Available
- Optional System Connection Sizes available
- Optional Connection Types
 - 'G' Grooved Pipe Connections up to 16"
- Optional Base Ring
 - Add Suffix 'R' (4905 thru 4916) Exp. 4912AD-125R



SIZES & DIMENSIONS

All dimensions shown are subject to change and should not be used for prepping. Contact your local Taco representative should certified dimensional drawings be required.

PIPE SIZE	MODEL NUMBER (1)	A DIA. (INCH)	B MAX. (INCH)	C (INCH)	D (INCH)	E (INCH)	F DIA. (INCH)	G (INCH)	GPM @ 4.9 ft. /sec	APPROX. DRY WGT. (LBS)
2	4902AT-125	10	16½	* 12	7½	3⅞	-	-	51	30
2	4902A-125	10	16½	20	7½	3⅞	-	-	51	45
2½	49025AT-125	10	16½	* 12	7½	3⅞	-	-	73	40
2½	49025A-125	10	16½	20	7½	3⅞	-	-	73	50
3	4903AT-125	12	22⅛	* 14½	8½	7½	-	-	113	65
3	4903A-125	12	22⅛	22	8½	7½	-	-	113	75
4	4904A-125	12	22⅛	22	8½	7½	-	-	204	80
5	4905A-125	14	28⅜	24	10½	12	12	6¾	306	200
6	4906A-125	14	28⅜	24	10½	12	12	6¾	469	215
8	4908A-125	18	36⅝	28	13¼	16	14	7	816	290
10	4910A-125	24	47¾	36	16⅞	22	20	6¾	1291	565
12	4912A-125	24	54¾	36	17⅞	28	20	6¾	1837	645
14	4914A-125	30	62	42	22	29½	24	8	2106	910
16	4916A-125	30	67¾	42	22	35¼	24	8	2790	965

(1) For 150 psi models, replace - 125 with -150.

* Dimension for 'T' option only.

Comments:

