Residential
Commercial

# PRODUCT CATALOG


CALEFACTIO

IMPROVE WHAT'S BEST

2019

CALEFACTIO

**Calefactio Solutions is a family owned company located in Blainville, Quebec (Canada). We manufacture and distribute specialized products in industrial, commercial and residential plumbing, especially in hydronic heating. Always growing, we sell our products, technologies and solutions both in Canada and the United States.**

Made up of young and dynamic professionals, the Calefactio Solutions team is driven by innovation. Among the values that drive it and predominate are creativity, commitment and performance. In terms of supply, the company places continuous enhancement at the top of its priorities.

It's with the statement **"Improve what's best"** that we developed our range of services and solidified our position as the innovation leader in our field.

Calefactio is also distinguished by its expertise and quality of service which listens to and meets the needs of its clients. Each Calefactio product supports the company's commitment.

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**calefactio.com**

# TABLE OF CONTENTS

# NON-CODE BLADDER EXPANSION TANKS

- WATER IS STORED IN THE BLADDER
- WATER DOES NOT COME IN CONTACT WITH THE SHELL OF THE TANK
- NO RUST OR CORROSION OF THE SHELL OF THE TANK

**HEATING** | **THE ONE®** | **POTABLE**


## Welded and Robust Construction

The steel shells are designed to withstand high pressure and provide protection of your installation. The tanks are solid and durable, while remaining light, easy to handle and simple to use.

## Full Acceptance EPDM Bladder

The bladders resist temperatures up to 200°F (93°C) for potable water reservoir systems, 240°F (115°C) for heating installations and 315°F (157°C) for high temperature systems. Characterized by solid construction, the bladders are fabricated following an injection molding process. They are suitable for glycol (up to 50 %), solar and cooling installations.

## Resistant Coating

The finish, obtained by an electrostatic painting process, gives the reservoirs an attractive and durable appearance.

## Factory Precharge for all Models

Suitable for most common installations.
Precharge must be manually adjusted on site.

**HIGH TEMPERATURE**
Patent pending

# HEATING

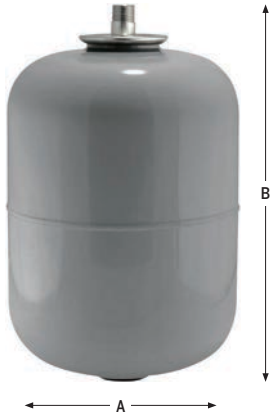
Series HGT and HGTV expansion tanks are available in formats ranging from 2 to 74 gallons, in models mounted on conduit or on base. These tanks are formed from a steel shells designed to resist high pressures, which makes your installation even safer. The EPDM bladder separates air from water while preventing water infiltration and saving space and energy. These devices are suitable for heating and cooling installations and are also compatible with glycol.

- Heating applications
- EPDM bladder – water never comes in contact with the tank
- Maximum temperature: 240°F
- Precharge: 12 PSI
- Maximum operating pressure: 115 PSI
- 2 to 74 gallons

## HGT

- Fixed bladder expansion tank
- MNPT top connection (on conduit)

| Model# | Volume | | Conn. | Dimension | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | | |
| | gal | L | | in | mm | in | mm | lb | kg |
| HGT-15 | 2.1 | 8 | ½" | 7.9 | 200 | 13.7 | 348 | 5 | 2 |
| HGT-30 | 4.8 | 18 | ½" | 10.6 | 270 | 16.3 | 415 | 9 | 4 |
| HGT-60M | 6 | 23 | ½" | 10.6 | 270 | 18.9 | 480 | 9.25 | 4.2 |
| HGT-60 | 8 | 30 | ½" | 13.8 | 350 | 17.9 | 455 | 14 | 6 |
| HGT-90 | 13 | 50 | 1" | 14.9 | 380 | 23 | 585 | 23 | 10 |




## HGTV

- Expansion tank with replaceable bladder
- FNPT connection at bottom (on base)

| Model# | Volume | | Conn. | Dimension | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | | |
| | gal | L | | in | mm | in | mm | lb | kg |
| HGTV-30 | 13 | 50 | 1" | 14.9 | 380 | 25.3 | 645 | 25 | 12 |
| HGTV-40 | 21 | 80 | 1" | 17.7 | 450 | 26.7 | 680 | 29 | 13 |
| HGTV-60 | 26 | 100 | 1" | 17.7 | 450 | 30.1 | 765 | 35 | 16 |
| HGTV-90 | 40 | 150 | 1¼" | 19.7 | 500 | 41.1 | 1045 | 49 | 22 |
| HGTV-110 | 57 | 215 | 1¼" | 19.7 | 500 | 52.1 | 1325 | 77 | 35 |
| HGTV-150 | 74 | 280 | 1¼" | 19.7 | 500 | 63.1 | 1605 | 102 | 46 |


## ACCESSORIES

### Wall Bracket

| Model# for HGT-15 | Weight | |
|---|---|---|
| | lb | kg |
| BRACKET200MM | 0.66 | 0.3 |

| Model# for HGT-30 and HGT-60M | Weight | |
|---|---|---|
| | lb | kg |
| BRACKET270MM | 0.66 | 0.3 |

## HIGH TEMPERATURE

### HTS

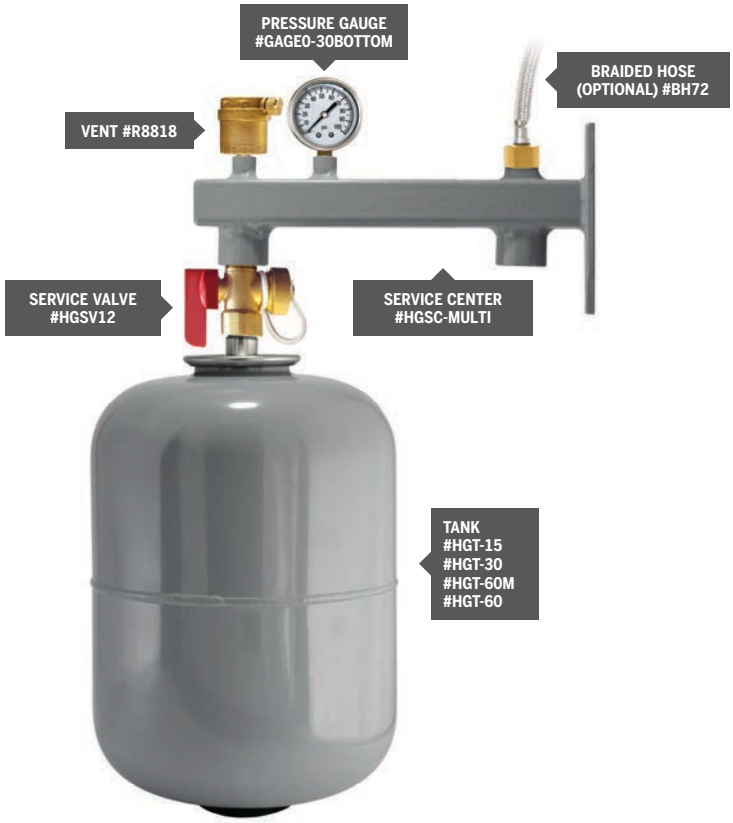
- Compatible with glycol
- EPDM bladder
- Epoxy coating
- Welded steel shell
- Temperature max: 315°F and up*
- Precharge: 25 PSI
- Max. operation pressure: 150 PSI

| Model# | Volume | | Conn. | Weight | |
|---|---|---|---|---|---|
| | gal | L | | lb | kg |
| HTS-30 | 6.6 | 25 | ½" | 12 | 5.4 |

PATENT PENDING


*See the Calefactio engineering department.

# SERVICE KIT FOR HEATING SYSTEM

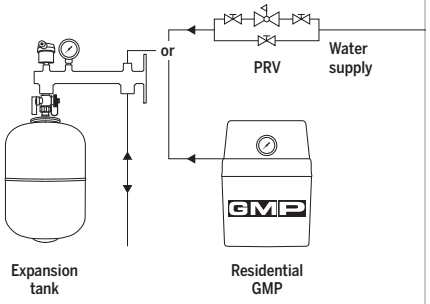



## Heating System Service Kit

- Safe, pratical and easy access installation
- Provides an overview of the state of the system

| Model# | Content | Weight | |
|---|---|---|---|
| | | lb | kg |
| SERVICEKIT15 | HGT-15 + HGSC-MULTI + R8818 + HGSV12 + GAGE0-30BOTTOM | 10 | 4.55 |
| SERVICEKIT30 | HGT-30 + HGSC-MULTI + R8818 + HGSV12 + GAGE0-30BOTTOM | 12 | 5.45 |
| SERVICEKIT60M | HGT-60M + HGSC-MULTI + R8818 + HGSV12 + GAGE0-30BOTTOM | 15 | 6.82 |
| SERVICEKIT60 | HGT-60 + HGSC-MULTI + R8818 + HGSV12 + GAGE0-30BOTTOM | 16 | 7.27 |

## Installation Schematic




## OPTIONAL

### Connection Hose

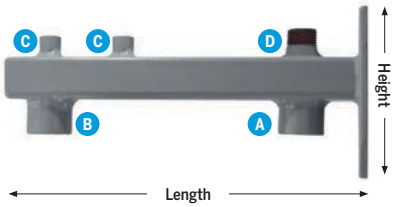
| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| BH72 | Braided hose 72" | 1.32 | 0.6 |

## INCLUDED

Suitable for tanks HGT-15, HGT-30, HGT-60M and HGT-60

### Service Center

Steel frame




| Model# | HGSC-MULTI | | |
|---|---|---|---|
| A | B | C | D |
| ½" FNPT | ½" FNPT | ⅛" FNPT | ½" FNPT |

| Length | Height | Width | Weight | |
|---|---|---|---|---|
| | | | lb | kg |
| 10¾" | 4½" | 2⅜" | 2.8 | 1.27 |

### Automatic Vent

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| R8818 | ⅛" MNPT | 0.24 | 0.11 |

### Service Valve

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| HGSV12 | ½" FNPT | 0.66 | 0.3 |

### ⅛"MNPT Pressure Gauge

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| GAGE0-30BOTTOM | 0-30 PSI | 0.22 | 0.1 |
| GAGE0-100BOTTOM | 0-100 PSI | 0.22 | 0.1 |

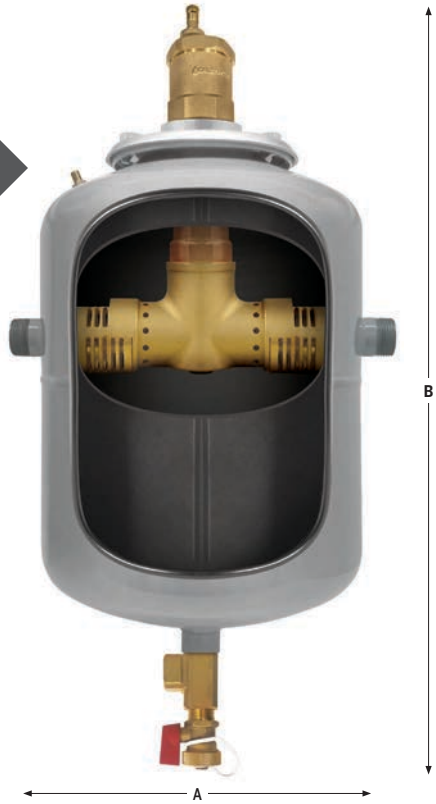
THE ONE[MD]

AHR EXPO INNOVATION AWARDS 2018 WINNER

## UNIQUE AND EXCLUSIVE TO CALEFACTIO

**The only device which combines an expansion tank with replaceable bladder, an air separator and a dirt separator.**

Highest performing air and dirt separator in the industry due to an oversize chamber which absorbs shock of the system.




- Coalescent media in stainless steel
- Minimum loss of pressure (CV22)
- Superior performance for separation of microbubbles
- High efficiency for separation of solids and dirt
- Brass and copper casing

### The ONE®

- Save money
- Save time
- Reduce the risk of leaks
- Reduce the number of joints and welds

| Model# | Total volume | | Net Volume | | Max. operating pressure | Conn. MNPT | Dimension | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | A | | B | | | |
| | gal | L | gal | L | PSI | in | in | mm | in | mm | lb | kg |
| T015 | 2.7 | 10 | 2.7 | 8 | 115 | 1 | 12.8 | 325 | 15.6 | 395 | 15 | 6.82 |
| T030 | 5.3 | 20 | 4.8 | 18 | 115 | 1 | 12.8 | 325 | 22.4 | 570 | 19.2 | 8.73 |

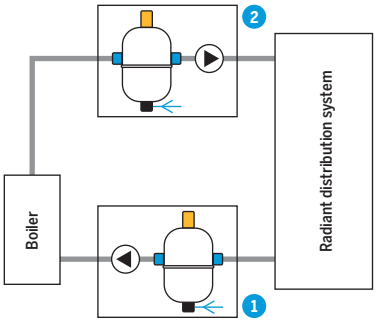
Replaceable bladder expansion tank | Air and dirt separator | Calvent automatic air vent | Drain valve | Wall support

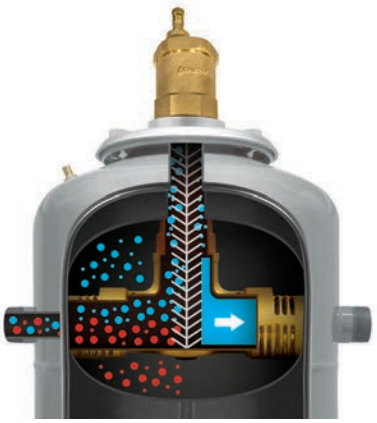
## TECHNICAL CHARACTERISTICS

- **Material**
  Casing: brass
  Internal element: stainless steel
  Joint: EPDM
- **Adapted fluids**
  Water and 50% glycol solution
- **Temperature range**
  32-240°F (0-115°C)
- **Maximum pressure**
  115 PSI

### Installation Schematic

2 possible configurations



### Air & Dirt Separator

The heart of The ONE® is a brass casing air and dirt separator of superior quality and highly resistant. Its efficiency is 40% higher than that of other air and dirt removal devices due to its size.

# POTABLE

- Potable water applications in a domestic system
- EPDM bladder – water never comes in contact with the tank
- Maximum temperature: 200°F (93°C)
- Precharge: 50 PSI
- Maximum operating pressure: 150 PSI
- 2 to 74 gallons

C US
Drinking Water
NSF/ANSI 61 & 372

## HGTE

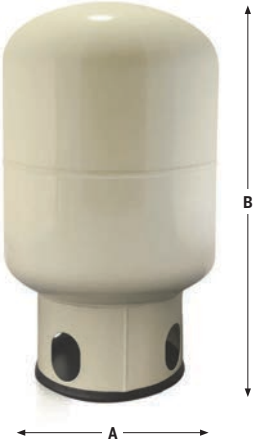
- Fixed bladder expansion tank
- MNPT top connection (stainless steel)

| Model# | Volume | | Conn. | Dimension | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | | |
| | gal | L | | in | mm | in | mm | lb | kg |
| HGTE-5 | 2.1 | 8 | ¾" | 7.9 | 200 | 13.7 | 348 | 5 | 2 |
| HGTE-8 | 3.2 | 12 | ¾" | 10.6 | 270 | 12.8 | 325 | 9 | 4 |
| HGTE-12 | 4.7 | 18 | ¾" | 10.6 | 270 | 16.7 | 425 | 11 | 5 |
| HGTE-25 | 8.0 | 30 | ¾" | 13.8 | 350 | 16.4 | 418 | 14 | 6 |


## HGTEV

- Expansion tank with replaceable bladder
- FNPT (stainless steel) bottom connection (on base)

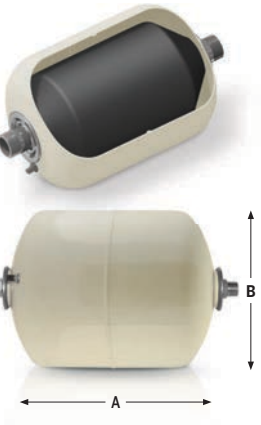
| Model# | Volume | | Conn. | Dimension | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | | |
| | gal | L | | in | mm | in | mm | lb | kg |
| HGTEV-30 | 14 | 53 | ¾" | 14.9 | 380 | 26.4 | 670 | 26 | 12 |
| HGTEV-42 | 20 | 75.8 | ¾" | 17.7 | 450 | 27.8 | 750 | 31 | 14 |
| HGTEV-60 | 30 | 114 | 1¼" | 17.7 | 450 | 31.8 | 808 | 37 | 17 |
| HGTEV-80 | 44 | 167 | 1¼" | 19.7 | 500 | 42.0 | 1065 | 52 | 23 |
| HGTEV-180 | 57 | 215 | 1¼" | 19.7 | 500 | 52.4 | 1330 | 75 | 34 |
| HGTEV-200 | 74 | 280 | 1¼" | 19.7 | 500 | 63.4 | 1610 | 103 | 47 |




## FTTE – Continuous Flow

- Limit the risk of system contamination by legionella bacteria
- Avoid stagnation

| Model# | Volume | | Conn. | Dimension | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | | |
| | gal | L | | in | mm | in | mm | lb | kg |
| FTTE-5 | 2.1 | 8 | ¾" | 14.3 | 365 | 7.9 | 200 | 6.3 | 2.9 |
| FTTE-8 | 3.2 | 12 | ¾" | 14.3 | 365 | 10.6 | 270 | 7.6 | 3.5 |
| FTTE-12 | 4.7 | 18 | ¾" | 17.5 | 445 | 10.6 | 270 | 9.3 | 4.2 |
| FTTE-25 | 8 | 30 | ¾" | 17.5 | 445 | 13.8 | 350 | 11.5 | 5.2 |



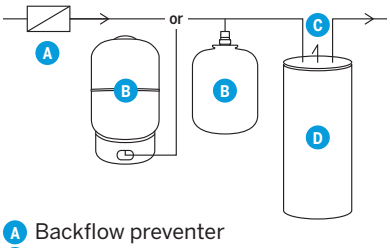

## ACCESSORIES

### Wall Support

| Model# for HGTE-5/FTTE-5 | Weight | |
|---|---|---|
| | lb | kg |
| BRACKET200MM | 0.66 | 0.3 |

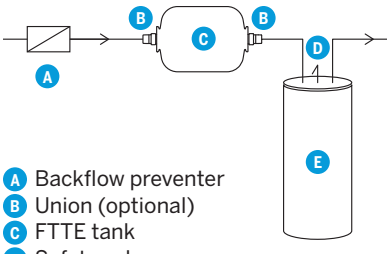
| Model# for HGTE-8/HGTE-12/FTTE-8/FTTE-12 | Weight | |
|---|---|---|
| | lb | kg |
| BRACKET270MM | 0.66 | 0.3 |

### Installation Schematic
For HGTE/HGTEV




- A Backflow preventer
- B HGTE/HGTEV tank
- C Safety valve
- D Water heater

### Installation Schematic
For FTTE




- A Backflow preventer
- B Union (optional)
- C FTTE tank
- D Safety valve
- E Water heater

# SERVICE KIT FOR POTABLE WATER SYSTEM


## Potable Water Service Kit

- Provides an overview of the state of the system
- Saves time and money

| Model# | Content | Weight | |
|---|---|---|---|
| | | lb | kg |
| SERVICEKIT5 | ⊕ HGTE-5 ⊕ HGSC-SS ⊕ HGSV34 | 8.7 | 3.95 |
| SERVICEKIT8 | ⊕ HGTE-8 ⊕ HGSC-SS ⊕ HGSV34 | 12.7 | 5.77 |
| SERVICEKIT12 | ⊕ HGTE-12 ⊕ HGSC-SS ⊕ HGSV34 | 14.7 | 6.68 |
| SERVICEKIT25 | ⊕ HGTE-25 ⊕ HGSC-SS ⊕ HGSV34 | 17.7 | 8.05 |

## OPERATION

The service kit for potable water systems includes an expansion tank (HGTE-5, HGTE-8, HGTE-12 or HGTE-25), a stainless steel service center (#HGSC-SS), and a service valve with pressure gauge (#HGSV34). The potable water system service valve from Calefactio combines several functions, one of which allows reading the system pressure at any time.

When the valve is in closed position, it is possible to use it to drain the tank, or perform maintenance. Once the tank is drained, it becomes very easy to verify that the pressure is equal too or greater than that of the municipal network and to adjust it for proper functioning if necessary.

## INCLUDED

Suitable for tanks HGTE-5, HGTE-8, HGTE-12 and HGTE-25

### Service Center

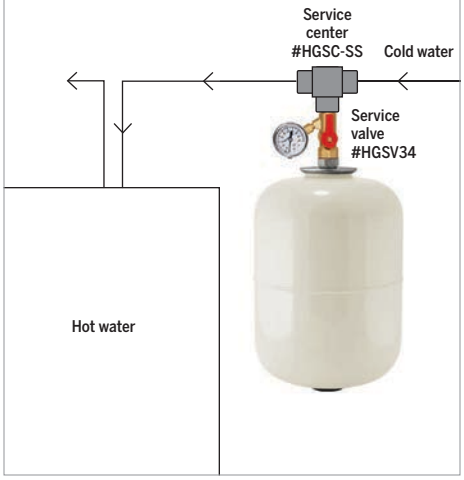
Stainless steel housing


| Model# | HGSC-SS | | | | |
|---|---|---|---|---|---|
| A | | B | | | |
| ¾" FNPT | | ¾" FNPT | | | |
| Length | Height | Width | Weight | | |
| | | | lb | kg | |
| 9¼" | 4¾" | 2⅜" | 2.6 | 1.18 | |

### Service valve with drain

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| HGSV34 | ¾" MNPT | 1.1 | 0.5 |

## Installation Schematic



# ACCESSORIES FOR EXPANSION TANKS / HEATING

## Wall Support

| Model# for HGT-15 | Weight | |
|---|---|---|
| | lb | kg |
| BRACKET200MM | 0.66 | 0.3 |

| Model# for HGT-30/HGT-60M/TO15/TO30 | Weight | |
|---|---|---|
| | lb | kg |
| BRACKET270MM | 0.66 | 0.3 |

## Service Valve

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| #HGSV12 | ½" MNPT × ½" FNPT | 0.66 | 0.3 |

## ⅛" MNPT Pressure Gauge

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| GAGE0-30BOTTOM | 0-30 PSI | 0.22 | 0.1 |
| GAGE0-100BOTTOM | 0-100 PSI | 0.22 | 0.1 |

## Automatic Vent

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| R8818 | ⅛" MNPT | 0.24 | 0.11 |

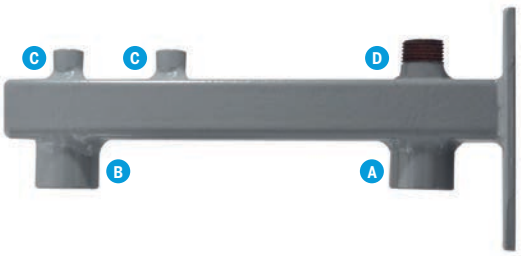
## Connection Hose

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| BH72 | Braided hose 72" | 1.32 | 0.6 |

## Heating System Service Center

- Suitable for tanks HGT-15, HGT-30, HGT-60M and HGT-60
- Steel frame

| Model# | A FNPT | B FNPT | C FNPT | D MNPT | Length | Height | Width | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | lb | kg |
| HGSC-MULTI | ½" | ½" | ⅛" | ½" | 10¾" | 4½" | 2⅜" | 2.8 | 1.27 |




# ACCESSORIES FOR EXPANSION TANK / POTABLE

## Wall Support

| Model# for HGTE-5/FTTE-5 | Weight | |
|---|---|---|
| | lb | kg |
| BRACKET200MM | 0.66 | 0.3 |

| Model# for HGTE-8/HGTE-12/FTTE-8/FTTE-12 | Weight | |
|---|---|---|
| | lb | kg |
| BRACKET270MM | 0.66 | 0.3 |

## Service Valve with Drain

Suitable for tanks HGTE-5, HGTE-8, HGTE-12, HGTE-25, FTTE-5, FTTE-8, FTTE-12 and FTTE-25.

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| #HGSV34 | ¾"FNPT system, ⅛" gauge | 1.1 | 0.5 |

## Potable Water Service Center

- Suitable for tanks HGTE-5, HGTE-8, HGTE-12 and HGTE-25
- Stainless steel housing

| Model# | A MNPT | B MNPT | Length | Height | Width | Weight | |
|---|---|---|---|---|---|---|---|
| | | | | | | lb | kg |
| HGSC-SS | ¾" | ¾" | 9¼" | 4¾" | 2⅜" | 2.6 | 1.18 |

CALEFACTIO

# ASME EXPANSION TANKS

HEATING

POTABLE

HYDRO-PNEUMATIC

Expanflex

# HEATING

## AL SERIES

**Replaceable bladder** **Bottom connection**

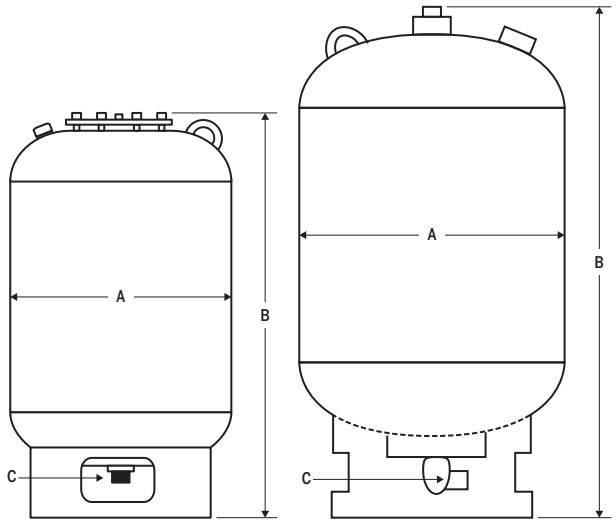
- Acceptance factor of 100 %
- Design conforms to ASME, section VIII
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site

### TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Replaceable butyl bladder
- Maximum temperature 240°F (115°C)
- Air precharged at factory at 12 PSI (83 kPa)
- Service pressure 125 PSI (862 kPa)
- Maximum pressure 150, 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




AL-35 to AL-800

ALT-1000 to ALT-5000 with base

| Model# | Volume | | Dimension | | | | NPT Connection | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | C | | | |
| | gal | L | in | mm | in | mm | in | mm | lb | kg |
| AL-35 | 10 | 38 | 12 | 305 | 28 | 706 | 1 | 25 | 50 | 23 |
| AL-50 | 13 | 50 | 12 | 305 | 36 | 918 | 1 | 25 | 60 | 27 |
| AL-85 | 23 | 87 | 16 | 406 | 37 | 935 | 1 | 25 | 80 | 36 |
| AL-130 | 35 | 132 | 16 | 406 | 50 | 1283 | 1 | 25 | 100 | 46 |
| AL-200 | 53 | 200 | 24 | 610 | 43 | 1092 | 1½ | 38 | 210 | 95 |
| AL-300 | 79 | 299 | 24 | 610 | 55 | 1397 | 1½ | 38 | 225 | 102 |
| AL-400 | 106 | 401 | 30 | 762 | 49 | 1245 | 1½ | 38 | 300 | 136 |
| AL-500 | 132 | 500 | 30 | 762 | 57 | 1448 | 1½ | 38 | 335 | 152 |
| AL-600 | 158 | 598 | 30 | 762 | 65 | 1651 | 1½ | 38 | 360 | 163 |
| AL-800 | 211 | 798 | 32 | 813 | 76 | 1930 | 1½ | 38 | 475 | 215 |
| AL-1000 | 264 | 999 | 36 | 914 | 82 | 2083 | 1½ | 38 | 850 | 386 |
| AL-1200 | 317 | 1200 | 36 | 914 | 94 | 2388 | 1½ | 38 | 950 | 431 |
| AL-1400 | 370 | 1400 | 36 | 914 | 107 | 2718 | 1½ | 38 | 1050 | 476 |
| AL-1600 | 422 | 1597 | 48 | 1219 | 77 | 1956 | 1½ | 38 | 1545 | 701 |
| AL-2000 | 528 | 1999 | 48 | 1219 | 90 | 2286 | 1½ | 38 | 1745 | 792 |
| AL-2500 | 660 | 2498 | 48 | 1219 | 108 | 2743 | 2 | 50 | 1965 | 891 |
| AL-3000L | 792 | 2998 | 48 | 1219 | 125 | 3175 | 2 | 50 | 2200 | 998 |
| AL-3000S | 792 | 2998 | 60 | 1524 | 91 | 2311 | 2 | 50 | 2700 | 1225 |
| AL-4000 | 1056 | 3997 | 60 | 1524 | 115 | 2921 | 2 | 50 | 3780 | 1718 |
| AL-5000 | 1320 | 4996 | 60 | 1524 | 137 | 3480 | 2 | 50 | 3600 | 1633 |

EXPAN VIEW

Models **AL-200 and higher** are equipped standard with a pressure gauge and the ExpanView tank integrity indicator.

# HEATING

## ALT SERIES

**Replaceable bladder** **Top connection**

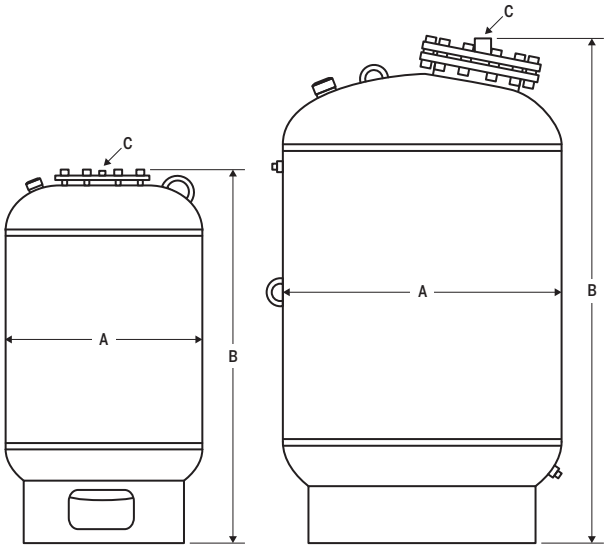
- Acceptance factor of 100 %
- Design conforms to ASME, section VIII
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site

### TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Replaceable butyl bladder
- Maximum temperature 240°F (115°C)
- Air precharged at factory at 12 PSI (83 kPa)
- Service pressure 125 PSI (862 kPa)
- Maximum pressure of 150, 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

## Models




ALT-35 to ALT-800 with base

ALT-1000 to ALT-7500 with base

| Model# | Volume | | Dimension | | | | Connection | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | C | | | |
| | gal | L | in | mm | in | mm | in | mm | lb | kg |
| ALT-35 | 10 | 38 | 12 | 305 | 28 | 706 | 1 | 25 | 50 | 23 |
| ALT-50 | 13 | 50 | 12 | 305 | 36 | 918 | 1 | 25 | 60 | 27 |
| ALT-85 | 23 | 87 | 16 | 406 | 37 | 935 | 1 | 25 | 80 | 36 |
| ALT-130 | 35 | 132 | 20 | 508 | 37 | 940 | ¾ | 19 | 125 | 57 |
| ALT-200 | 53 | 200 | 24 | 610 | 43 | 1092 | ¾ | 19 | 210 | 95 |
| ALT-300 | 79 | 299 | 24 | 610 | 55 | 1397 | ¾ | 19 | 225 | 102 |
| ALT-400 | 106 | 401 | 30 | 762 | 49 | 1245 | ¾ | 19 | 300 | 136 |
| ALT-500 | 132 | 500 | 30 | 762 | 57 | 1448 | ¾ | 19 | 335 | 152 |
| ALT-600 | 158 | 598 | 30 | 762 | 65 | 1651 | ¾ | 19 | 360 | 163 |
| ALT-800 | 211 | 798 | 32 | 813 | 75 | 1905 | ¾ | 19 | 475 | 215 |
| ALT-1000 | 264 | 999 | 36 | 914 | 76 | 1930 | 1½ | 38 | 850 | 386 |
| ALT-1200 | 317 | 1200 | 36 | 914 | 94 | 2388 | 1½ | 38 | 950 | 431 |
| ALT-1400 | 370 | 1400 | 36 | 914 | 99 | 2515 | 1½ | 38 | 875 | 397 |
| ALT-1600 | 422 | 1597 | 48 | 1219 | 72 | 1829 | 1½ | 38 | 1100 | 499 |
| ALT-2000 | 528 | 1999 | 48 | 1219 | 85 | 2159 | 1½ | 38 | 1280 | 581 |
| ALT-2500 | 660 | 2498 | 48 | 1219 | 102 | 2591 | 2 | 51 | 1435 | 651 |
| ALT-3000L | 792 | 2998 | 48 | 1219 | 122 | 3099 | 2 | 51 | 1550 | 703 |
| ALT-3000S | 792 | 2998 | 60 | 1524 | 80 | 2032 | 2 | 51 | 2169 | 984 |
| ALT-3500 | 926 | 3505 | 54 | 1372 | 111 | 2819 | 2 | 51 | 2369 | 1075 |
| ALT-4000 | 1056 | 3997 | 60 | 1524 | 102 | 2591 | 2 | 51 | 2638 | 1196 |
| ALT-5000 | 1320 | 4996 | 60 | 1524 | 125 | 3175 | 2 | 51 | 3246 | 1472 |
| ALT-7500 | 1981 | 7499 | 72 | 1829 | 127 | 3226 | 3 | 76 | 4005 | 1817 |

EXPAN VIEW

Models **ALT-200 and higher** are equipped standard with a pressure gauge and the ExpanView tank integrity indicator.

# HEATING

## OT SERIES

**Fixed bladder** **Top Connection**

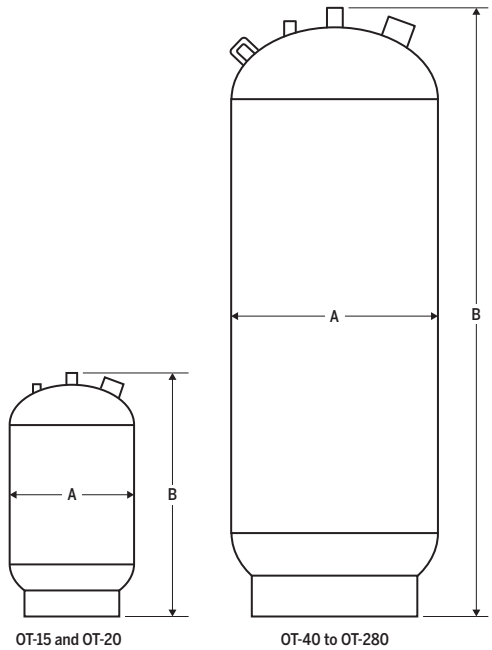
- Design conforms to ASME, section VIII
- Fixed bladder in ultra resistant butyl
- Air precharged at factory; pressure adjustable on site
- Water remains permanently separated from air for the duration of the useful life of the installation

### TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Maximum temperature of 240°F (115°C) at the tank level
- Air precharged at factory at 12 PSI (83 kPa)
- Service pressure 150 PSI (1034 kPa)
- Maximum pressure of 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




OT-15 and OT-20 OT-40 to OT-280

| Model# | Tank volume | | Accept. volume | | NPT Connection | | Dimension | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | A | | B | | | |
| | gal | L | in | mm | in | mm | in | mm | in | mm | lb | kg |
| OT-15 | 7.8 | 30 | 6.3 | 24 | ¾ | 19 | 12 | 305 | 21 | 535 | 35.6 | 16.2 |
| OT-20 | 11 | 42 | 8.8 | 33 | ¾ | 19 | 12 | 305 | 26 | 662 | 40.3 | 18.3 |
| OT-40 | 25 | 95 | 20.2 | 76 | 1 | 25 | 16 | 406 | 35 | 885 | 67.5 | 30.7 |
| OT-60 | 35 | 132 | 28 | 106 | 1 | 25 | 16 | 406 | 46 | 1165 | 82.9 | 37.7 |
| OT-80 | 45 | 170 | 36 | 136 | 1 | 25 | 20 | 508 | 38 | 965 | 148 | 67 |
| OT-100 | 60 | 227 | 48.5 | 184 | 1 | 25 | 20 | 508 | 49 | 1245 | 175 | 79 |
| OT-120 | 70 | 265 | 56.5 | 214 | 1½ | 38 | 24 | 610 | 46 | 1168 | 259 | 117 |
| OT-144 | 80 | 303 | 65 | 246 | 1½ | 38 | 24 | 610 | 49 | 1245 | 268 | 122 |
| OT-180 | 90 | 341 | 73 | 276 | 1½ | 38 | 24 | 610 | 52 | 1321 | 283 | 128 |
| OT-200 | 115 | 435 | 93 | 352 | 1½ | 38 | 24 | 610 | 66 | 1676 | 325 | 147 |
| OT-240 | 140 | 530 | 113.5 | 430 | 1½ | 38 | 24 | 610 | 78 | 1981 | 362 | 164 |
| OT-260 | 158 | 598 | 128 | 485 | 1½ | 38 | 30 | 762 | 63 | 1600 | 591 | 268 |
| OT-280 | 211 | 799 | 171 | 647 | 1½ | 38 | 30 | 762 | 81 | 2032 | 752 | 341 |

EXPAN VIEW Models **OT-80 and higher** can be **optionally** equipped with a pressure gauge and the ExpanView tank integrity indicator.

# HEATING

## NA SERIES

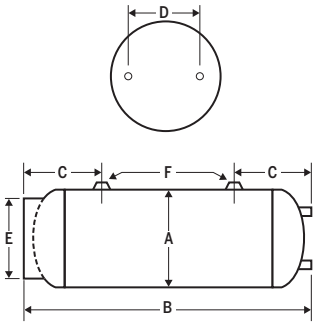
**Without bladder** **Without membrane**

- Design conforms to ASME, section VIII
- Base ring for vertical storage
- Glass level indicator connection at top
- Straps available for hanging installation
- Tanks in galvanized steel are also available

### TECHNICAL SPECIFICATIONS

- Steel construction
- Maximum design temperature: 450°F (232°C)
- Maximum design pressure
  - Models 12NA33 to 20NA78: 150 PSI
  - Models 24NA65 to 42NA96: 125 PSI

## Models




*The 505 and 525 gallon tanks are not supplied with a base ring

*‡The 525 gallon tanks have an 11"×15" footprint

| Model# | Volume | | Dimension | | | | | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | C | | D | | E | | F | | | |
| | gal | L | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | lb | kg |
| 12NA33 | 15 | 57 | 12 | 305 | 33 | 838 | 7 | 203 | 8 | 203 | 11½ | 292 | 1 | 25 | 44 | 20 |
| 12NA51 | 24 | 91 | 12 | 305 | 51 | 1295 | 7 | 203 | 8 | 203 | 11½ | 292 | 1 | 25 | 62 | 28 |
| 14NA48 | 30 | 114 | 14 | 356 | 48 | 1219 | 10 | 254 | 10 | 254 | 11½ | 292 | 1 | 25 | 72 | 33 |
| 14NA63 | 40 | 151 | 14 | 356 | 63 | 1600 | 10 | 254 | 10 | 254 | 11½ | 292 | 1 | 25 | 92 | 42 |
| 16NA72 | 60 | 227 | 16 | 406 | 72 | 1829 | 10 | 254 | 12 | 305 | 11½ | 292 | 1 | 25 | 120 | 54 |
| 20NA62 | 80 | 303 | 20 | 508 | 62½ | 1587 | 10 | 254 | 16 | 406 | 18 | 457 | 1 | 25 | 136 | 62 |
| 20NA78 | 100 | 379 | 20 | 508 | 78 | 1981 | 10 | 254 | 16 | 406 | 18 | 457 | 1 | 25 | 168 | 76 |
| 24NA65 | 120 | 454 | 24 | 610 | 65 | 1651 | 11⅛ | 283 | 20 | 508 | 18 | 457 | 1 | 25 | 218 | 99 |
| 24NA72 | 135 | 511 | 24 | 610 | 72 | 1829 | 11⅛ | 283 | 20 | 508 | 18 | 457 | 1 | 25 | 238 | 108 |
| 30NA62 | 175 | 662 | 30 | 762 | 62¼ | 1581 | 13½ | 343 | 22 | 559 | 24 | 610 | 1½ | 38 | 338 | 153 |
| 30NA77 | 220 | 833 | 30 | 762 | 77 | 1956 | 13½ | 343 | 22 | 559 | 24 | 610 | 1½ | 38 | 368 | 167 |
| 30NA84 | 240 | 908 | 30 | 762 | 84 | 2134 | 13½ | 343 | 22 | 559 | 24 | 610 | 1½ | 38 | 394 | 179 |
| 30NA105 | 305 | 1155 | 30 | 762 | 105¾ | 2686 | 13½ | 343 | 22 | 559 | 24 | 610 | 1½ | 38 | 486 | 220 |
| 36NA72 | 295 | 1117 | 36 | 914 | 72 | 1829 | 14¾ | 375 | 28 | 711 | 30 | 762 | 1½ | 38 | 502 | 227 |
| 36NA93 | 400 | 1514 | 36 | 914 | 92½ | 2349 | 14¾ | 375 | 28 | 711 | 30 | 762 | 1½ | 38 | 645 | 292 |
| 36NA120 | 505* | 1912 | 36 | 914 | 120 | 3048 | 14¾ | 375 | 28 | 711 | n.d. | n.d. | 1½ | 38 | 810 | 367 |
| 42NA96 | 525*‡ | 1987 | 42 | 1067 | 96 | 2438 | 18 | 457 | 28 | 711 | n.d. | n.d. | 1½ | 38 | 895 | 406 |

# POTABLE

## BFA SERIES

**Fixed bladder** **Top connection**

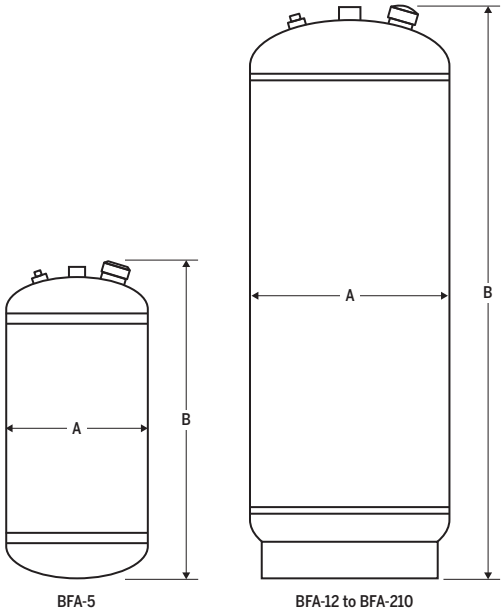
- Construction conforms to ASME, chapter VIII
- FDA approved ultra resistant butyl bladder
- Air precharged at factory; pressure adjustable on site
- Water remains permanently separated from air
- Stainless steel connection

### TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Maximum temperature of 240°F (115°C)
- Air precharged at factory at 40 PSI (275 kPa)
- Service pressure 150 PSI (1034 kPa)
- Maximum pressure of 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




BFA-5 BFA-12 to BFA-210

| Model# | Total volume | | Acceptance volume | | NPT Connection | | Dimension | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | A | | B | | | |
| | gal | L | gal | L | in | mm | in | mm | in | mm | lb | kg |
| BFA-5 | 3.5 | 13 | 2.3 | 9 | ¾ | 19 | 10 | 254 | 14 | 356 | 22 | 10 |
| BFA-12 | 5 | 19 | 3.3 | 12 | ¾ | 19 | 12 | 305 | 15 | 380 | 28 | 13 |
| BFA-20 | 8 | 30 | 5.3 | 20 | ¾ | 19 | 12 | 305 | 21 | 535 | 34 | 15 |
| BFA-30 | 15 | 57 | 10 | 38 | 1 | 25 | 16 | 406 | 25 | 630 | 64 | 29 |
| BFA-42 | 22 | 83 | 14.5 | 55 | 1 | 25 | 16 | 406 | 32 | 810 | 88 | 40 |
| BFA-60 | 26 | 98 | 17.5 | 66 | 1 | 25 | 16 | 406 | 35 | 885 | 93 | 42 |
| BFA-80 | 35 | 132 | 23.5 | 89 | 1 | 25 | 16 | 406 | 46 | 1165 | 109 | 49 |
| BFA-100 | 45 | 170 | 30 | 114 | 1 | 25 | 20 | 508 | 39 | 914 | 148 | 67 |
| BFA-125 | 60 | 227 | 40 | 151 | 1 | 25 | 20 | 508 | 50 | 1270 | 175 | 79 |
| BFA-160 | 70 | 265 | 47 | 178 | 1½ | 38 | 24 | 610 | 47 | 1194 | 259 | 117 |
| BFA-180 | 80 | 303 | 53 | 201 | 1½ | 38 | 24 | 610 | 50 | 1270 | 268 | 122 |
| BFA-210 | 90 | 341 | 60 | 227 | 1½ | 38 | 24 | 610 | 53 | 1346 | 283 | 128 |

EXPAN VIEW

Models **BFA-100 and higher** can be **optionally** equipped with a pressure gauge and the ExpanView tank integrity indicator.

# POTABLE

## TXA SERIES

**Replaceable bladder** **Bottom connection**

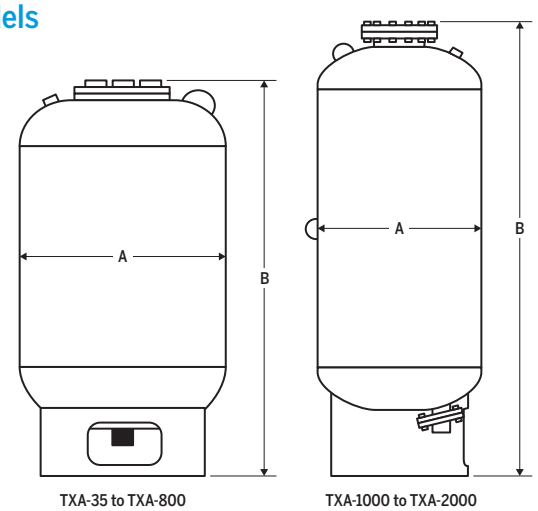
- Construction conforms to ASME Section VIII
- FDA approved ultra resistant butyl bladder
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site

### TECHNICAL SPECIFICATIONS

- Stainless steel connection
- Maximum design temperature: 240°F (115°C)
- Air precharged at factory at 40 PSI
- Maximum design pressure 150 PSI
- Maximum pressure of 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




TXA-35 to TXA-800 TXA-1000 to TXA-2000

EXPAN VIEW Models **TXA-200 and higher** are equipped standard with a pressure gauge and the ExpanView tank integrity indicator.

| Model# | Total volume | | Dimension | | | | NPT Connection | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | | | | |
| | gal | L | in | mm | in | mm | in | mm | lb | kg |
| TXA-35 | 10 | 38 | 12 | 305 | 28 | 706 | 1 | 25 | 40 | 18 |
| TXA-50 | 13 | 49 | 12 | 305 | 36 | 918 | 1 | 25 | 50 | 23 |
| TXA-85 | 23 | 87 | 16 | 406 | 37 | 935 | 1 | 25 | 90 | 41 |
| TXA-130 | 35 | 132 | 16 | 406 | 50 | 1283 | 1 | 25 | 132 | 60 |
| TXA-200 | 53 | 201 | 24 | 610 | 43 | 1092 | 1½ | 38 | 220 | 100 |
| TXA-300 | 79 | 299 | 24 | 610 | 55 | 1397 | 1½ | 38 | 236 | 107 |
| TXA-400 | 106 | 401 | 30 | 762 | 49 | 1245 | 1½ | 38 | 315 | 143 |
| TXA-500 | 132 | 500 | 30 | 762 | 57 | 1448 | 2 | 51 | 347 | 157 |
| TXA-600 | 158 | 598 | 30 | 762 | 65 | 1651 | 2 | 51 | 378 | 171 |
| TXA-800L | 211 | 799 | 32 | 813 | 76 | 1930 | 2 | 51 | 503 | 228 |
| TXA-1000 | 264 | 999 | 36 | 914 | 87 | 2210 | 3 | 76 | 795 | 360 |
| TXA-1200 | 317 | 1200 | 36 | 914 | 98 | 2489 | 3 | 76 | 820 | 372 |
| TXA-1400 | 370 | 1401 | 36 | 914 | 111 | 2819 | 3 | 76 | 980 | 445 |
| TXA-1600 | 422 | 1597 | 48 | 1219 | 84 | 2134 | 3 | 76 | 1395 | 633 |
| TXA-2000 | 528 | 1999 | 48 | 1219 | 96 | 2438 | 3 | 76 | 1525 | 692 |

# POTABLE

## FTTE-C SERIES

**Replaceable bladder** **Continuous flow**

The unique design of the FTTE-C promotes mixing of fluids allowing them to cross the tank completely. This movement inside the bladder avoids water stagnation, thus preventing the potential growth of harmful bacteria colonies.

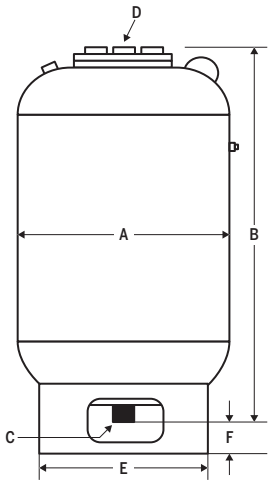
- Shell: carbon steel
- Heads: carbon steel
- Connections: stainless steel
- FDA approved ultra resistant butyl bladder
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site

**TECHNICAL SPECIFICATIONS**

- Maximum design temperature: 240°F (115°C)
- Air precharged at factory at 40 PSI
- Maximum design pressure: 150 psig, 200 and 250 psig available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Volume | | Dimension | | | | Connection | | | | E | | F | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | C | | D | | | | | | | |
| | gal | L | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | lb | kg |
| FTTE-85-C | 23 | 87 | 16 | 406 | 37 | 940 | 1 | 25 | 1 | 25 | 12 | 305 | 5¼ | 133 | 90 | 41 |
| FTTE-130-C | 35 | 132 | 20 | 508 | 37 | 940 | 1 | 25 | 1 | 25 | 16 | 406 | 5¼ | 133 | 132 | 60 |
| FTTE-200-C | 53 | 201 | 24 | 610 | 43 | 1092 | 1½ | 38 | 1½ | 38 | 20 | 508 | 5¼ | 133 | 220 | 100 |
| FTTE-300-C | 79 | 299 | 24 | 610 | 55 | 1397 | 1½ | 38 | 1½ | 38 | 20 | 508 | 5¼ | 133 | 236 | 107 |
| FTTE-400-C | 106 | 401 | 30 | 762 | 49 | 1245 | 1½ | 38 | 1½ | 38 | 24 | 610 | 5¼ | 133 | 315 | 143 |
| FTTE-500-C | 132 | 500 | 30 | 762 | 57 | 1448 | 2 | 51 | 2 | 51 | 24 | 610 | 4¾ | 121 | 347 | 157 |
| FTTE-600-C | 158 | 598 | 30 | 762 | 65 | 1651 | 2 | 51 | 2 | 51 | 24 | 610 | 4¾ | 121 | 378 | 171 |
| FTTE-800L-C | 211 | 799 | 32 | 813 | 76 | 1930 | 2 | 51 | 2 | 51 | 28 | 711 | 4¾ | 121 | 503 | 228 |

EXPAN VIEW Equipped with a pressure gauge and the ExpanView tank integrity indicator.

# HYDRO-PNEUMATIC

## AFX SERIES

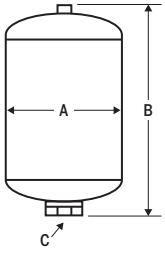
- Replaceable bladder
- Bottom connection

- Design conforms to ASME, section VIII
- Air precharged at factory; pressure adjustable on site
- Ideal for booster systems
- Storage tank for drinking and well water
- FDA approved ultra resistant butyl bladder

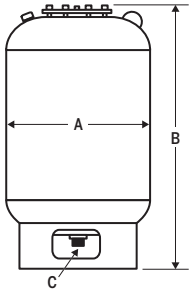
### TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Maximum temperature 240°F (115°C)
- Air precharged at factory at 30 PSI
- Standard pressure of 125 PSI

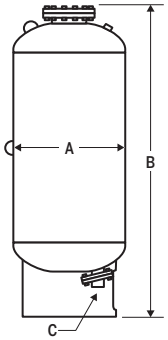
### Models



AFX-35 and AFX-50



AFX-85 to AFX-800



AFX-1000 to AFX-5000

| Model# | Total volume | | Dimension | | | | Connect. NPT | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | C | | | |
| | gal | L | in | mm | in | mm | in | mm | lb | kg |
| AFX-35 | 10 | 38 | 12 | 305 | 25 | 635 | ¾ | 19 | 40 | 18 |
| AFX-50 | 13 | 49 | 14 | 356 | 25 | 635 | ¾ | 19 | 50 | 23 |
| AFX-85 | 23 | 87 | 16 | 406 | 37 | 940 | 1 | 25 | 90 | 41 |
| AFX-130 | 35 | 133 | 20 | 508 | 37 | 940 | 1 | 25 | 125 | 57 |
| AFX-200 | 53 | 201 | 24 | 610 | 43 | 1092 | 1½ | 38 | 210 | 95 |
| AFX-300 | 79 | 299 | 24 | 610 | 55 | 1397 | 1½ | 38 | 225 | 102 |
| AFX-400 | 106 | 401 | 30 | 762 | 49 | 1245 | 1½ | 38 | 300 | 136 |
| AFX-500 | 132 | 500 | 30 | 762 | 57 | 1448 | 2 | 51 | 330 | 150 |
| AFX-600 | 158 | 598 | 30 | 762 | 65 | 1651 | 2 | 51 | 360 | 164 |
| AFX-700 | 185 | 700 | 30 | 762 | 80 | 2032 | 2 | 51 | 600 | 272 |
| AFX-800 | 211 | 799 | 32 | 813 | 76 | 1930 | 2 | 51 | 475 | 216 |
| AFX-1000 | 264 | 999 | 36 | 914 | 82 | 2083 | 3 | 76 | 735 | 333 |
| AFX-1200 | 317 | 1200 | 36 | 914 | 94 | 2387 | 3 | 76 | 745 | 338 |
| AFX-1400 | 370 | 1401 | 36 | 914 | 107 | 2718 | 3 | 76 | 900 | 408 |
| AFX-1600 | 422 | 1597 | 48 | 1219 | 84 | 2133 | 3 | 76 | 1210 | 549 |
| AFX-2000 | 528 | 1999 | 48 | 1219 | 97 | 2464 | 3 | 76 | 1305 | 592 |
| AFX-2500 | 660 | 2498 | 48 | 1219 | 116 | 2946 | 4 | 102 | 1430 | 649 |
| AFX-3000L | 792 | 2998 | 48 | 1219 | 134 | 3404 | 4 | 102 | 1575 | 714 |
| AFX-3000S | 792 | 2998 | 60 | 1524 | 97 | 2464 | 4 | 102 | 2169 | 984 |
| AFX-4000 | 1056 | 3997 | 60 | 1524 | 123 | 3124 | 4 | 102 | 2638 | 1197 |
| AFX-5000 | 1320 | 4997 | 60 | 1524 | 146 | 3708 | 4 | 102 | 3246 | 1472 |

# HYDRO-PNEUMATIC

## SSA SERIES / POTABLE WATER SHOCK AND SURGE ARRESTORS

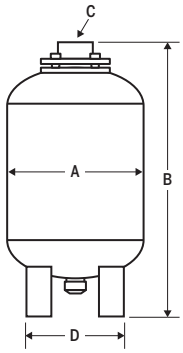
**Replaceable bladder** **Antishock for potable water**

- Construction conforms to ASME Section VIII
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site
- Effectively control water hammer shock and pump start-up/shut-down water surge
- With large water system connections designed to quickly accept water surge pressures, with minimal pressure drop
- Connection at the bottom for all models except SSA-35 and SSA-50

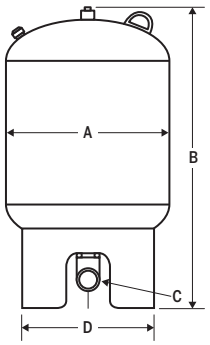
### TECHNICAL SPECIFICATIONS

- FDA approved heavy duty butyl bladder
- Maximum design temp.: 240°F (115°C)
- Air precharged at factory at 30 psi
- Maximum design pressure: 250 PSI

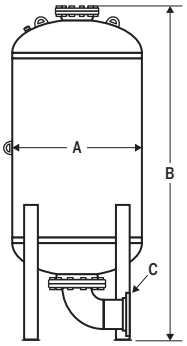
### Models




SSA-35 & SSA-50




SSA-130 to SSA-800




SSA-1000 to SSA-2500

| Model# | Volume | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | C | | D | | | |
| | gal | L | in | mm | in | mm | in | mm | in | mm | lb | kg |
| SSA-35 | 10 | 38 | 12 | 305 | 26 | 660 | 2½ | 64 | 9 | 229 | 55 | 25 |
| SSA-50 | 13 | 49 | 14 | 356 | 26 | 660 | 2½ | 64 | 10 | 254 | 65 | 30 |
| SSA-85 | 23 | 87 | 16 | 406 | 30½ | 775 | 3 | 76 | 12 | 305 | 134 | 61 |
| SSA-130 | 35 | 132 | 20 | 508 | 30½ | 775 | 3 | 76 | 16 | 406 | 175 | 79 |
| SSA-200 | 53 | 201 | 24 | 610 | 46½ | 1181 | 4 | 102 | 20 | 508 | 250 | 113 |
| SSA-300 | 79 | 299 | 24 | 610 | 58½ | 1486 | 4 | 102 | 20 | 508 | 341 | 155 |
| SSA-400 | 106 | 401 | 30 | 762 | 52½ | 1334 | 4 | 102 | 24 | 610 | 430 | 195 |
| SSA-500 | 132 | 500 | 30 | 762 | 63 | 1600 | 6 | 152 | 24 | 610 | 596 | 270 |
| SSA-600 | 158 | 598 | 30 | 762 | 71 | 1803 | 6 | 152 | 24 | 610 | 653 | 296 |
| SSA-700 | 185 | 700 | 30 | 762 | 81½ | 2070 | 6 | 152 | 24 | 610 | 726 | 329 |
| SSA-800 | 211 | 799 | 32 | 813 | 82 | 2083 | 6 | 152 | 26 | 660 | 902 | 409 |
| SSA-1000 | 264 | 999 | 36 | 914 | 85 | 2159 | 10 | 254 | – | – | 1147 | 520 |
| SSA-1200 | 317 | 1199 | 36 | 914 | 107 | 2718 | 10 | 254 | – | – | 1303 | 591 |
| SSA-1400 | 370 | 1401 | 36 | 914 | 119 | 3023 | 10 | 254 | – | – | 1447 | 656 |
| SSA-1600 | 422 | 1597 | 48 | 1219 | 92 | 2337 | 10 | 254 | – | – | 1888 | 856 |
| SSA-2000 | 528 | 1999 | 48 | 1219 | 105 | 2667 | 10 | 254 | – | – | 2105 | 955 |
| SSA-2500 | 660 | 2498 | 48 | 1219 | 122 | 3099 | 10 | 254 | – | – | 2425 | 1100 |

# HYDRO-PNEUMATIC

## ABM SERIES / MUNICIPAL SHOCK AND SURGE ARRESTORS

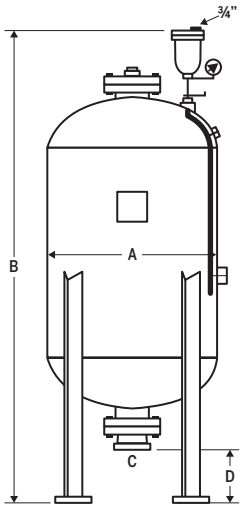
### Replaceable bladder

- Design conforms to ASME, section VIII
- For use in wastewater systems
- Equipped with a biogas vent and manometer
- Heavy duty butyl bladder

**TECHNICAL SPECIFICATIONS**

- Maximum temperature: 240°F (115°C)
- Maximum design pressure: 150 PSI

### Models




| Model# | Total volume | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | C | | D | | | |
| | gal | L | in | mm | in | mm | in | mm | in | mm | lb | kg |
| ABM-160 | 43 | 163 | 24 | 610 | 60 | 1524 | 6 | 152 | 12 | 305 | 250 | 114 |
| ABM-250 | 66 | 250 | 24 | 610 | 72 | 1829 | 6 | 152 | 12 | 305 | 300 | 136 |
| ABM-400 | 106 | 401 | 24 | 610 | 98 | 2489 | 8 | 203 | 16 | 406 | 365 | 166 |
| ABM-600 | 158 | 598 | 30 | 760 | 96 | 2438 | 8 | 203 | 16 | 406 | 590 | 268 |
| ABM-1000 | 264 | 999 | 36 | 914 | 101 | 2565 | 10 | 254 | 24 | 610 | 900 | 409 |
| ABM-1600 | 423 | 1601 | 48 | 1220 | 105 | 2667 | 12 | 305 | 30 | 760 | 1610 | 731 |
| ABM-2000 | 528 | 1999 | 48 | 1220 | 119 | 3023 | 12 | 305 | 30 | 760 | 1810 | 823 |

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

# ACCESSORIES

## Saddles

For horizontal installation on the floor.

| Model# | Diameter |
|---|---|
| SAD12 | 12” |
| SAD14 | 14” |
| SAD16 | 16” |
| SAD18 | 18” |
| SAD20 | 20” |
| SAD24 | 24” |
| SAD30 | 30” |
| SAD36 | 36” |
| SAD48 | 48” |

## Straps

Straps to attach the tank

| Model# | Diameter |
|---|---|
| STRAP12 | 12” |
| STRAP14 | 14” |
| STRAP16 | 16” |
| STRAP18 | 18” |
| STRAP20 | 20” |
| STRAP24 | 24” |
| STRAP30 | 30” |
| STRAP36 | 36” |
| STRAP48 | 48” |

## Anti-Seismic Brackets

The anti-seismic brackets are designed to protect the tanks in case of an earthquake.

| Model# | Diameter |
|---|---|
| BKT2 | 2” |
| BKT4 | 4” |

# VENTS, AIR, DIRT AND HYDRAULIC SEPARATORS

**ASME AIR SEPARATORS**

**ASME AIR AND DIRT SEPARATORS**

**CALBALANCE HYDRAULIC SEPARATORS**

**CAL-X-TRACT AIR SEPARATORS**

## Industrial Vents

Calefactio's industrial vents reduce the accumulation of air in the systems while improving their efficiency. Installed at high points in your piping system, the industrial vents eliminate air pockets, providing an inexpensive method to reduce air pressure in the system.

| Model# | Connection | Maximum pressure | Maximum temperature | Inlet | Outlet | Weight | |
|---|---|---|---|---|---|---|---|
| | | | | | | lb | kg |
| MV15 | ¾" FNPT | 150 PSI<br>1034 kPa | 250°F<br>121°C | ¾" NPT | ½" NPT | 5.5 | 2.5 |

MV15

## Automatic Brass Vents

Calefactio's automatic brass vents evacuate trapped air to restore optimal functioning of the installation. They are made of solid brass able to resist high temperatures up to 120°C/248°F. These vents evacuate the air laterally reducing the accumulation of foreign bodies in the seat.

| Model# | Connection | Pressure | Dimension | | Weight | |
|---|---|---|---|---|---|---|
| | | | Width | Height | lb | kg |
| R8818 | ⅛" MNPT | 150 PSI | 1¾" | 2" | 0.24 | 0.11 |
| R8814 | ¼" MNPT | 150 PSI | 1¾" | 2" | 0.25 | 0.11 |
| R8812 | ½" MNPT | 150 PSI | 1¾" | 2¼" | 0.22 | 0.10 |

R8818-R8814

R8812

## Coin or Key Air Valves

Air valves are designed to reduce the operating frequency of the burner in hydronic and vapour heating systems to save energy. They are made of anticorrosive material and offer a waterproof closure.

| Model# | Connection | Description | Weight | |
|---|---|---|---|---|
| | | | lb | kg |
| HG9 | ⅛" MNPT | Room ventilation | 1.1/50 units | 0.5/50 units |
| HG10 | ⅛" MNPT | Keyed vent | 1.1/50 units | 0.5/50 units |
| HKEY | n/a | Key for HG10 and HG14 | 0.66/50 units | 0.3/50 units |
| HG14 | ⅛" MNPT | 20" Keyed valve and tube assembly | 0.22 | 0.10 |
| HG14A | ⅛" MNPT | 20" Keyed valve and tube assembly | 0.22 | 0.10 |

HG9

HG14

## Air Purgers

Air purgers mounted at the high points of the piping eliminate air pockets as soon as they form. In addition, by design and fabrication of superior quality, these cast devices offer you quality on which you can count for years as well as an operation without maintenance or breakdown.

| Model# | Connection | Weight | |
|---|---|---|---|
| | | lb | kg |
| P100 | 1" | 7.48 | 3.4 |
| P125 | 1¼" | 6.82 | 3.1 |
| P200 | 2 | 14.1 | 6.4 |
| P300 | 3" | 29.5 | 13.4 |


P100-125

# CALVENT

## AUTOMATIC AIR VENT

### Technical Specifications

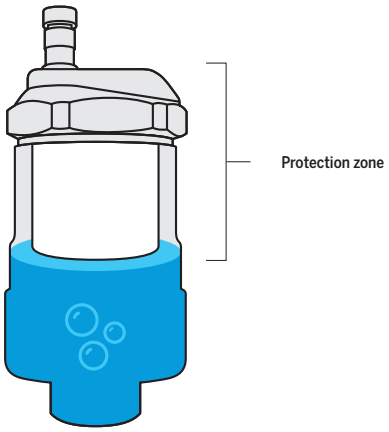
- **Material**
  Body: brass
  Cover: brass
  Float: polypropylene
  Float guide: brass
  Float linkage: stainless steel
  O-ring: EPDM

- **Adapted fluids**
  Water and 50 % glycol solution

### Advantages

- Float guided by a tree
- Easy to disassemble hexagonal head for cleaning and maintenance
- Enhances heating systems efficiency
- A system without air allows full contact between the liquid and transfer surfaces offering an optimized temperature control
- Limits system components' corrosion


| Model# | Connection | Maximum operation pressure | Temp. range | | A | | B | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | °C | °F | in | mm | in | mm | lb | kg |
| CV050 | ½" FNPT × ¾" MNPT | 150 PSI | 0-121 | 32-250 | 2¼ | 56 | 5⅓ | 136 | 1.6 | 0.73 |




### Protection Zone

Calvent's design, including a bulge of the upper part, allows evacuation of large amounts of air at each start up but also protects the valve from possible contamination since the air chamber of the automatic vent is surmounted by a smaller chamber.

By increasing the distance between the water level and the deaeration valve, it reduces the chances of contact between the valve and the liquid as well as all other particles or contaminants present in the liquid which would prevent proper functioning of the valve.

# CAL-X-TRACT

The Cal-X-Tract air separators from Calefactio are equipped with a coalescent brush-type media made of stainless steel, a Calvent automatic air vent and designed with an oversized case that gives them very high efficiency. Their function is to remove air from hydronic heating systems, enabling better energy efficiency and reducing the frequency of sometimes costly maintenance. Their robust design allows them to maintain their efficiency during the entire useful life of the system.

## OPERATION

By the dragging effect of the heat-carrying liquid, the microbubbles are transported and caught on the coalescent media. They fuse to become larger and then detach and head to the upper part of the separator where they are released via the Calvent automatic air vent.

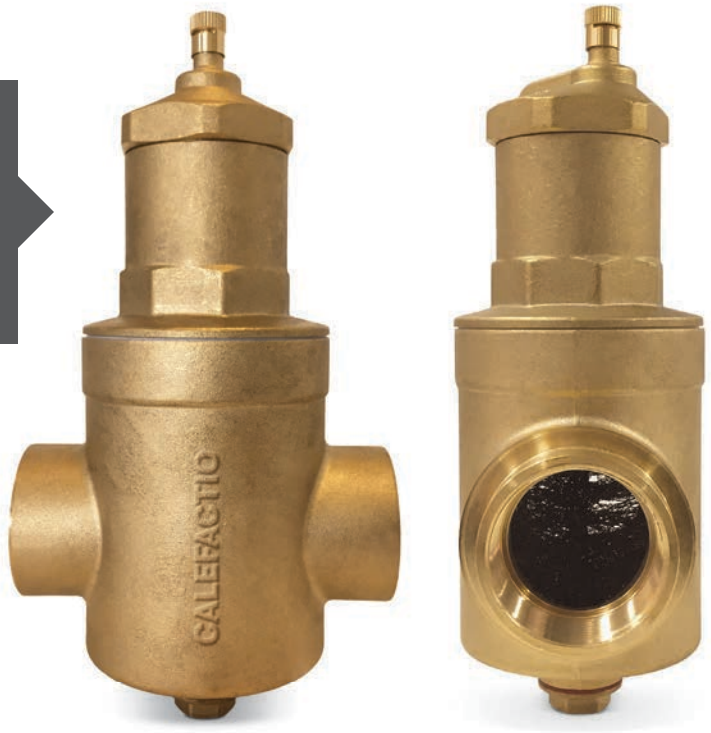
### Benefits

- Supplied with a Calvent automatic air vent
- Anti-obstruction vent (the head is designed to remain dry and clean, reducing the risk of obstructions)
- Equipped with a ½" NPT service port installed at the base of the device
- Brush-type coalescent media designed for catching micro-bubbles while maintaining constant flow
- Reduces the risks of cavitation of the pump and of rust from oxygen
- Improves the efficiency of the system

| Model# | Connection | | Weight | |
|---|---|---|---|---|
| | Size | Type | lb | kg |
| CXT-075N | ¾" | NPT | 3.75 | 1.7 |
| CXT-100N | 1" | NPT | 4.0 | 1.8 |
| CXT-125N | 1¼" | NPT | 4.0 | 1.8 |
| CXT-150N | 1½" | NPT | 4.4 | 2.0 |
| CXT-200N | 2" | NPT | 4.2 | 1.9 |
| CXT-075S | ¾" | Sweat | 3.75 | 1.7 |
| CXT-100S | 1" | Sweat | 4.0 | 1.8 |
| CXT-125S | 1¼" | Sweat | 3.75 | 1.7 |
| CXT-150S | 1½" | Sweat | 4.6 | 2.1 |
| CXT-200S | 2" | Sweat | 4.6 | 2.1 |
| CXT-075P | ¾" | Press | 4.2 | 1.9 |
| CXT-100P | 1" | Press | 4.5 | 2.1 |
| CXT-125P | 1¼" | Press | 4.9 | 2.2 |
| CXT-150P | 1½" | Press | 5.7 | 2.6 |
| CXT-200P | 2" | Press | 6.2 | 2.8 |

### TECHNICAL SPECIFICATIONS

- Coalescent media: 316 stainless steel
- Connections: NPT, Sweat or Press, ¾" to 2"
- Body: brass
- Adapted fluids: water and 50% glycol solution
- Maximum temperature: 120°C (250°F)
- Maximum design pressure: 150 PSI

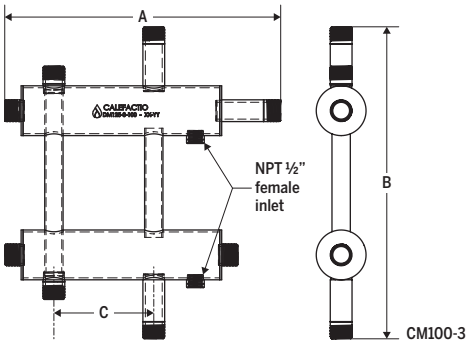


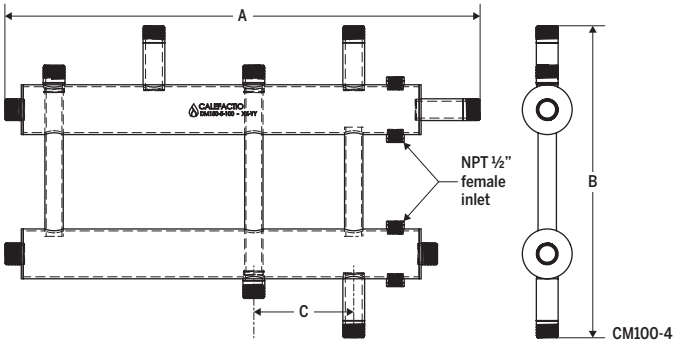
# HEATING DISTRIBUTION MANIFOLD / CALMAN

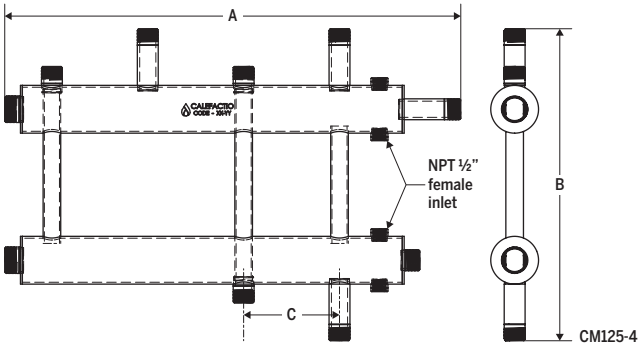
The Calman distribution manifold allows the user to connect all the heating zones in a single point. The Calman heat distribution manifold guarantees a uniform temperature of heat carrying liquid in each zone while increasing time and money savings because it is only necessary to install one item rather than a large number of elbows and tees in order to create the required zones.

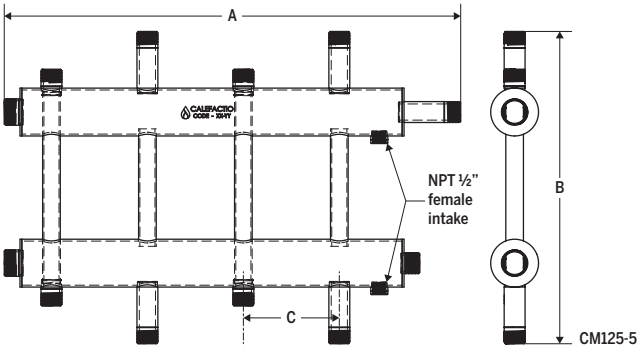
**TECHNICAL SPECIFICATIONS**

- Maximum temperature: 100°C (212°F)
- Maximum design pressure: 150 PSI
- Steel frame
- Drain valve included




## Benefits

- Guarantees a uniform temperature
- Saves time and money
- Reduces the number of potential leak points
- Sufficient space planned to accept pumps between each zone
- Connects directly to the Calbalance hydraulic separator*

| Model# | Connect. | Zones | A | | B | | C | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | in | mm | in | mm | in | mm | lb | kg |
| CM100-3 | 1" | 3 | 16½ | 421 | 18¾ | 476 | 6 | 152.4 | 3.75 | 1.7 |
| CM100-4 | 1" | 4 | 28½ | 725 | 18¾ | 476 | 6 | 152.4 | 4.0 | 1.8 |
| CM125-4 | 1¼" | 4 | 28½ | 725 | 18¾ | 476 | 6 | 152.4 | 4.0 | 1.8 |
| CM125-5 | 1¼" | 5 | 28½ | 725 | 18¾ | 476 | 6 | 152.4 | 4.4 | 2.0 |

*Sold together or individually.

# HYDRAULIC SEPARATORS

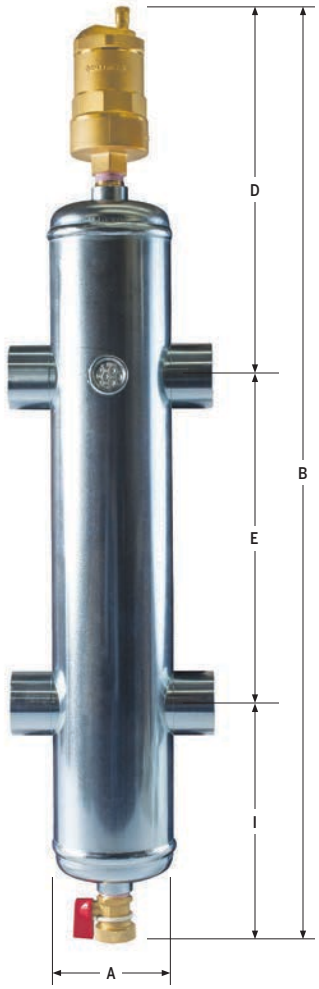
## CALBALANCE NPT

### Technical Specifications

- Equipped with a Calvent automatic air vent (#CV050)
- Separates air and dirt
- Offered with drain valve (#DV12)
- Housing in zinc plated steel
- Wall support included
- Maximum operating pressure: 150 PSI
- Maximum operating temperature: 100°C (212°F)
- Adapted fluids: water and 50% glycol solution

### Benefits

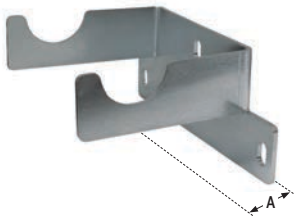
- Simple to install
- Easy maintenance
- ½" FNPT thermometer port
- Eliminates the need to install an automatic vent and a dirt separator
- Reduces energy consumption as the pumps are only used in required zones




### Calbalance NPT

| Model# | Connect. FNPT | Flow | | Dimension | | | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | D | | E | | I | | | |
| | in | GPM | m³/h | in | mm | in | mm | in | mm | in | mm | in | mm | lb | kg |
| CB100 | 1 | 11 | 2.5 | 3 | 76 | 26 | 660 | 10½ | 267 | 8⅝ | 220 | 6¾ | 172 | 8.4 | 3.8 |
| CB125 | 1¼ | 18 | 4 | 3½ | 89 | 28 | 710 | 11¼ | 282 | 9½ | 240 | 7⅜ | 188 | 10.6 | 4.9 |
| CB150 | 1½ | 26 | 6 | 4½ | 114 | 30 | 760 | 11¾ | 298 | 10¼ | 260 | 8 | 203 | 14.5 | 6.6 |
| CB200 | 2 | 39 | 9 | 5½ | 140 | 32 | 810 | 11¾ | 298 | 11⅞ | 300 | 8⅜ | 213 | 19.8 | 8.9 |

## INCLUDED




### Wall Support

| For the Calbalance NPT model | A* | |
|---|---|---|
| | in | mm |
| CB100-BKT | 2⅞ | 73 |
| CB125-BKT | 3⅜ | 86 |
| CB150-BKT | 3⅞ | 98 |
| CB200-BKT | 4⅜ | 111 |

*Distance from the centre of the bracket to the wall.

## ACCESSORIES

Available with preformed polyurethane insulation to minimize heat loss

### Preformed Insulation

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| CB100-FOAM | For CB100 | 0.44 | 0.2 |
| CB125-FOAM | For CB125 | 0.44 | 0.2 |
| CB150-FOAM | For CB150 | 0.66 | 0.3 |
| CB200-FOAM | For CB200 | 0.66 | 0.3 |

# HYDRAULIC SEPARATORS

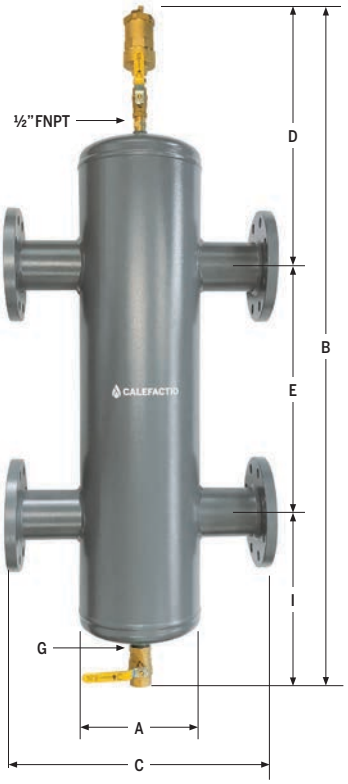
## CALBALANCE WITH FLANGE

### Technical Specifications

- Equipped with a Calvent automatic air vent (#CV050)
- Separate air with baffles
- Casing in carbonized steel
- Adapted fluids: water and 50% glycol solution
- Models with connections of 6 in or greater supplied on stand

### Benefits

- Simple to install
- Easy to maintain
- Supplied with a drain valve
- Reduces energy consumption as the pumps are only used in required zones
- Eliminates the need to install an automatic air vent and a dirt separator




### Calbalance with Flange – Non-ASME Models

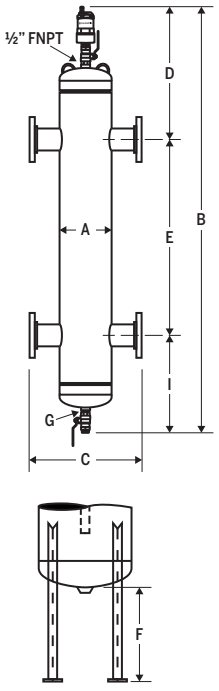
- Maximum operating pressure: 10 bar/150 PSI
- Operating temperature: 0-132°C/32-270°F

| Model# | Conn. | Flow | | Dimension | | | | | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | C | | D | | E | | G | I | | |
| | in | GPM | m³/h | in | mm | in | mm | in | mm | in | mm | in | mm | in | in | mm | lb | kg |
| CB250F | 2½ | 88 | 20 | 6⅝ | 168 | 41¼ | 1049 | 350 | 13¾ | 15¼ | 388 | 13 | 330 | 1 | 13 | 331 | 60 | 27 |
| CB300F | 3 | 132 | 30 | 8⅝ | 219 | 43 3/16 | 1147 | 467 | 18⅜ | 14⅞ | 377 | 17¾ | 450 | 1 | 12⅝ | 320 | 75 | 34 |
| CB400F | 4 | 255 | 58 | 8⅝ | 219 | 43 3/16 | 1147 | 18⅜ | 467 | 14⅞ | 377 | 17¾ | 450 | 1 | 12⅝ | 320 | 84 | 38 |

### Calbalance with Flange – ASME Models

- Maximum operating pressure: 10 bar/150 PSI (200 & 250 PSI/13 & 17 bar available)
- Operating temperature: 0°C-232°C/32°F-450°F

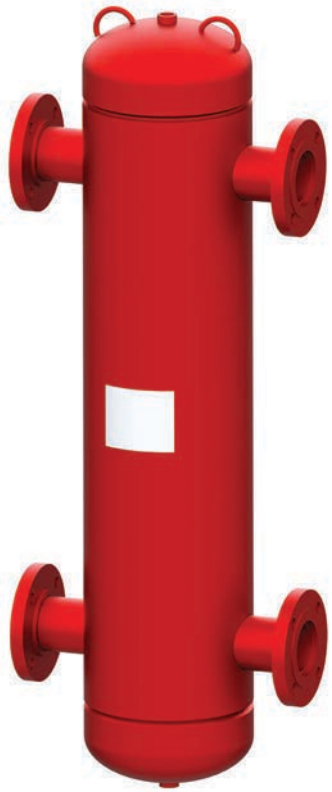
| Model# | Conn. | Flow | | Dimension | | | | | | | | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | C | | D | | E | | F | | G | I | | | |
| | in | GPM | m³/h | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | in | mm | lb | kg |
| CB200A | 2 | 34 | 7.7 | 6⅝ | 168 | 44¾ | 1137 | 14¾ | 375 | 14¾ | 375 | 20¾ | 527 | | | | 9 | 235 | 90 | 41 |
| CB250A | 2½ | 90 | 20.4 | 6⅝ | 168 | 49¾ | 1264 | 14¾ | 375 | 15¼ | 387 | 24¾ | 628 | | | ½ | 10 | 248 | 115 | 52 |
| CB300A | 3 | 130 | 29 | 10¾ | 273 | 60 | 1524 | 18¾ | 476 | 17⅜ | 441 | 30¾ | 781 | – | – | | 12 | 302 | 225 | 102 |
| CB400A | 4 | 255 | 58 | 10¾ | 273 | 81¼ | 2064 | 22¾ | 578 | 23 | 584 | 40¼ | 1022 | | | 1 | 18 | 457 | 330 | 150 |
| CB500A | 5 | 398 | 90 | 14 | 356 | 91½ | 2324 | 26 | 660 | 23 | 584 | 50½ | 1283 | | | | 18 | 457 | 415 | 188 |
| CB600A | 6 | 570 | 129 | 18 | 457 | 104¾ | 2661 | 30 | 762 | 24½ | 622 | 60¾ | 1643 | | | | 20 | 495 | 420 | 191 |
| CB800A | 8 | 945 | 214 | 24 | 610 | 133¾ | 3397 | 36 | 914 | 29⅜ | 746 | 80 | 2032 | | | | 24 | 619 | 575 | 261 |
| CB1000A | 10 | 1440 | 326 | 30 | 762 | 160¼ | 4070 | 42 | 1067 | 32½ | 826 | 100¼ | 2546 | 14 | 356 | | 28 | 699 | 935 | 424 |
| CB1200A | 12 | 2100 | 476 | 30 | 762 | 192 | 4877 | 42 | 1067 | 38 | 965 | 119½ | 3035 | | | 2 | 35 | 876 | 1165 | 528 |
| CB1400A | 14 | 2550 | 578 | 42 | 1067 | 211¾ | 5378 | 54 | 1371 | 42 | 1067 | 131¼ | 3334 | | | | 39 | 978 | 2430 | 1102 |
| CB1600A | 16 | 3330 | 748 | 48 | 1220 | 236¾ | 6013 | 60 | 1524 | 45⅛ | 1146 | 150 | 3810 | | | | 42 | 1057 | 3260 | 1479 |



# HYDRAULIC SEPARATORS

## CALBALANCE WITH FLANGE AND ASME AIR & DIRT SEPARATOR

- Design conforms to ASME, section VIII
- Separates air and dirt
- Adapted fluids: water and 50% glycol solution
- Equipped with a Calvent automatic air vent (#CV050)
- Supplied with a drainage valve
- Models with connection of 6 in or more supplied on stand
- Simple to install
- Easy maintenance
- Reduces energy consumption as the pumps are only used in required zones

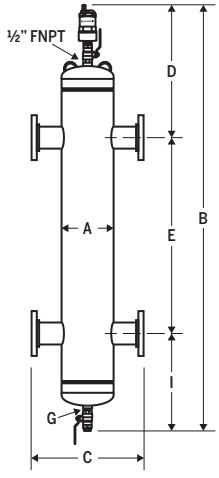


### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Carbonized steel housing
- Maximum design temperature: 232°C (450°F)
- Maximum operating pressure: 10 bar/150 PSI
- Pressure of 200 and 250 psig also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models

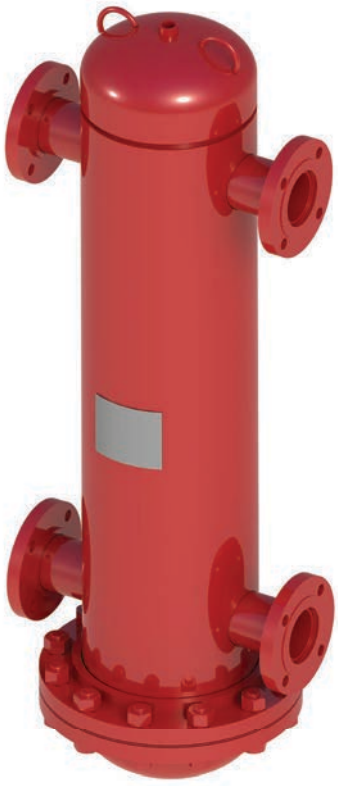



| Model# | Conn. | Flow | | Dimension | | | | | | | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | C | | D | | E | | F | | G | I | | |
| | in | GPM | LPM | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | in | mm | lb | kg |
| CB200AV | 2 | 69 | 261 | 6⅝ | 168 | 44¾ | 1137 | 14¾ | 375 | 14¾ | 375 | 20¾ | 527 | – | – | ½ | 9 | 235 | 90 | 41 |
| CB250AV | 2½ | 108 | 409 | 6⅝ | 168 | 49¾ | 1264 | 14¾ | 375 | 15¼ | 387 | 24¾ | 629 | – | – | ½ | 10 | 248 | 115 | 52 |
| CB300AV | 3 | 144 | 545 | 10¾ | 273 | 60 | 1524 | 18¾ | 476 | 17⅜ | 441 | 30¾ | 781 | – | – | ½ | 12 | 302 | 225 | 102 |
| CB400AV | 4 | 255 | 965 | 10¾ | 273 | 81¼ | 2064 | 22¾ | 578 | 23 | 584 | 40¼ | 1022 | – | – | 1 | 18 | 457 | 330 | 150 |
| CB500AV | 5 | 398 | 1507 | 14 | 356 | 91½ | 2324 | 26 | 660 | 23 | 584 | 50½ | 1283 | – | – | 1 | 18 | 457 | 415 | 189 |
| CB600AV | 6 | 570 | 2158 | 18 | 457 | 104¾ | 2661 | 30 | 762 | 24½ | 622 | 60¾ | 1543 | 14 | 356 | 1 | 20 | 495 | 420 | 191 |
| CB800AV | 8 | 945 | 3577 | 24 | 610 | 133¾ | 3397 | 36 | 914 | 29⅜ | 746 | 80 | 2032 | 14 | 356 | 1 | 24 | 619 | 575 | 261 |
| CB1000AV | 10 | 1440 | 5451 | 30 | 762 | 160¼ | 4070 | 42 | 1067 | 32½ | 826 | 100¼ | 2546 | 14 | 356 | 1 | 28 | 699 | 935 | 425 |
| CB1200AV | 12 | 2100 | 7949 | 30 | 762 | 192 | 4877 | 42 | 1067 | 38 | 965 | 119½ | 3035 | 14 | 356 | 2 | 35 | 876 | 1165 | 530 |
| CB1400AV | 14 | 2550 | 9653 | 42 | 1067 | 211¾ | 5378 | 54 | 1372 | 42 | 1067 | 131¼ | 3334 | 14 | 356 | 2 | 39 | 978 | 2430 | 1105 |
| CB1600AV | 16 | 3300 | 12492 | 48 | 1219 | 236¾ | 6013 | 60 | 1524 | 45⅛ | 1146 | 150 | 3810 | 14 | 356 | 2 | 42 | 1057 | 3260 | 1482 |

# HYDRAULIC SEPARATORS

## ASME CALBALANCE WITH FLANGE AND AIR & DIRT SEPARATOR / REPLACEABLE MEDIA

- Design conforms to ASME, section VIII
- Separates air and dirt
- Adapted fluids: water and 50% glycol solution
- Equipped with a Calvent automatic vent (#CV050)
- Supplied with a drain valve
- 6" or larger connection models supplied on stand
- Simple to install
- Easy maintenance
- Reduces energy consumption as the pumps are only used in required zones

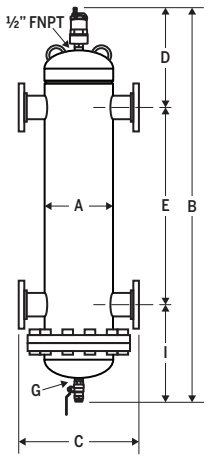


### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Carbonized steel housing
- Maximum design temperature: 232°C (450°F)
- Maximum operating pressure: 10 bar/150 PSI
- Pressure of 200 and 250 psig also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Conn. | Flow | | Dimension | | | | | | | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | C | | D | | E | | F | | G | I | | |
| | in | GPM | LPM | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | in | mm | lb | kg |
| CB200AVR | 2 | 69 | 261 | 6⅝ | 168 | 44¾ | 1137 | 14¾ | 375 | 14¾ | 375 | 20¾ | 527 | – | – | ½ | 9 | 235 | 162 | 74 |
| CB250AVR | 2½ | 108 | 409 | 6⅝ | 168 | 49¾ | 1264 | 14¾ | 375 | 15¼ | 387 | 24¾ | 629 | – | – | ½ | 10 | 248 | 187 | 85 |
| CB300AVR | 3 | 144 | 545 | 10¾ | 273 | 60 | 1524 | 18¾ | 476 | 17⅜ | 441 | 30¾ | 781 | – | – | ½ | 12 | 302 | 354 | 161 |
| CB400AVR | 4 | 255 | 965 | 10¾ | 273 | 81¼ | 2064 | 22¾ | 578 | 23 | 584 | 40¼ | 1022 | – | – | 1 | 18 | 457 | 464 | 211 |
| CB500AVR | 5 | 398 | 1507 | 14 | 356 | 91½ | 2324 | 26 | 660 | 23 | 584 | 50½ | 1283 | – | – | 1 | 18 | 457 | 544 | 247 |
| CB600AVR | 6 | 570 | 2158 | 18 | 457 | 104¾ | 2661 | 30 | 762 | 24½ | 622 | 60¾ | 1543 | 14 | 356 | 1 | 20 | 495 | 625 | 284 |
| CB800AVR | 8 | 945 | 3577 | 24 | 610 | 133¾ | 3397 | 36 | 914 | 29⅜ | 746 | 80 | 2032 | 14 | 356 | 1 | 24 | 619 | 1075 | 489 |
| CB1000AVR | 10 | 1440 | 5451 | 30 | 762 | 160¼ | 4070 | 42 | 1067 | 32½ | 826 | 100¼ | 2546 | 14 | 356 | 1 | 28 | 699 | 1733 | 788 |
| CB1200AVR | 12 | 2100 | 7949 | 30 | 762 | 192 | 4877 | 42 | 1067 | 38 | 965 | 119½ | 3035 | 14 | 356 | 2 | 35 | 876 | 1988 | 904 |
| CB1400AVR | 14 | 2550 | 9653 | 42 | 1067 | 211¾ | 5378 | 54 | 1372 | 42 | 1067 | 131¼ | 3334 | 14 | 356 | 2 | 39 | 978 | 4138 | 1881 |
| CB1600AVR | 16 | 3300 | 12492 | 48 | 1219 | 236¾ | 6013 | 60 | 1524 | 45⅛ | 1146 | 150 | 3810 | 14 | 356 | 2 | 42 | 1057 | 5142 | 2337 |

# TANGENTIELS AIR SEPARATORS

## ESPA / WITHOUT STRAINER

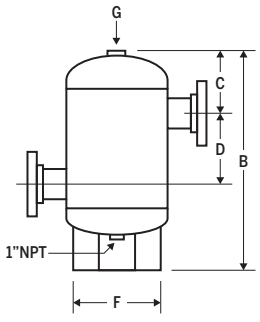
- Design conforms to ASME, section VIII
- Ideal for heating or cooling installations in open or closed loop
- Separate air
- Adapted fluids: water and 50% glycol solution

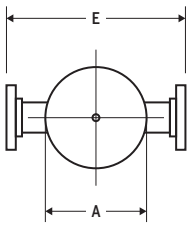
**TECHNICAL SPECIFICATIONS**

- Carbonized steel housing
- Exterior finish in painted primer
- Maximum temperature: 232°C (450°F)
- Maximum service pressure: 125 PSI
- Pressure of 150, 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Max GPM | Connection | | Type | Dimension | | | | | | | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | E | | F | | G | | | |
| | | in | mm | | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | lb | kg |
| ESPA-2 | 56 | 2 | 51 | NPT | 12 | 305 | 22½ | 572 | 5½ | 140 | 8½ | 216 | 16⅝ | 422 | 9½ | 241 | 1¼ | 32 | 50 | 23 |
| ESPA-2.5 | 90 | 2½ | 64 | NPT | 12 | 305 | 22½ | 572 | 5½ | 140 | 8½ | 216 | 16⅝ | 422 | 9½ | 241 | 1¼ | 32 | 55 | 25 |
| ESPA-3 | 190 | 3 | 76 | CLAMPED | 12 | 305 | 22½ | 572 | 5¾ | 146 | 8 | 203 | 19¾ | 502 | 9½ | 241 | 1¼ | 32 | 60 | 27 |
| ESPA-4 | 300 | 4 | 102 | CLAMPED | 14 | 356 | 32 | 813 | 9⅛ | 232 | 10¾ | 273 | 21¾ | 552 | 11½ | 292 | 1½ | 38 | 90 | 41 |
| ESPA-5 | 530 | 5 | 127 | CLAMPED | 14 | 356 | 32 | 813 | 9⅛ | 232 | 10¾ | 273 | 21¾ | 552 | 11½ | 292 | 1½ | 38 | 148 | 67 |
| ESPA-6 | 850 | 6 | 152 | CLAMPED | 20 | 508 | 44 | 1118 | 13¼ | 337 | 14½ | 368 | 28 | 711 | 18 | 457 | 2 | 51 | 191 | 87 |
| ESPA-8 | 1900 | 8 | 203 | CLAMPED | 20 | 508 | 44 | 1118 | 13¼ | 337 | 14½ | 368 | 28 | 711 | 18 | 457 | 2 | 51 | 379 | 172 |
| ESPA-10 | 3600 | 10 | 254 | CLAMPED | 30 | 762 | 60½ | 1537 | 19 | 483 | 20 | 508 | 41 | 1041 | 24 | 610 | 2 | 51 | 598 | 271 |
| ESPA-12 | 4800 | 12 | 305 | CLAMPED | 30 | 762 | 60½ | 1537 | 19 | 483 | 20 | 508 | 41 | 1041 | 24 | 610 | 2 | 51 | 947 | 430 |
| ESPA-14 | 6100 | 14 | 356 | CLAMPED | 36 | 914 | 78 | 1981 | 22 | 559 | 31½ | 800 | 46⅜ | 1178 | 30 | 762 | 2 | 51 | 1680 | 762 |
| ESPA-16 | 8000 | 16 | 406 | CLAMPED | 48 | 1219 | 108 | 2743 | 30 | 762 | 40 | 1016 | 60 | 1524 | 38 | 965 | 2 | 51 | 2300 | 1043 |
| ESPA-18 | 9700 | 18 | 457 | CLAMPED | 54 | 1371 | 124 | 3150 | 33 | 838 | 50 | 1270 | 66 | 1676 | 44 | 1118 | 2 | 51 | 3235 | 1467 |
| ESPA-20 | 12000 | 20 | 508 | CLAMPED | 60 | 1524 | 137 | 3480 | 35 | 889 | 60 | 1524 | 72 | 1829 | 50 | 1270 | 2 | 51 | 5100 | 2313 |
| ESPA-22 | 15000 | 22 | 559 | CLAMPED | 66 | 1676 | 150 | 3810 | 38 | 965 | 66 | 1676 | 78 | 1981 | 56 | 1422 | 2 | 51 | 6150 | 2790 |
| ESPA-24 | 17000 | 24 | 610 | CLAMPED | 66 | 1676 | 150 | 3810 | 38 | 965 | 66 | 1676 | 80 | 1270 | 56 | 1422 | 2 | 51 | 6400 | 2903 |

# TANGENTIEL AIR SEPARATORS

## ESPA-S / WITH STRAINER

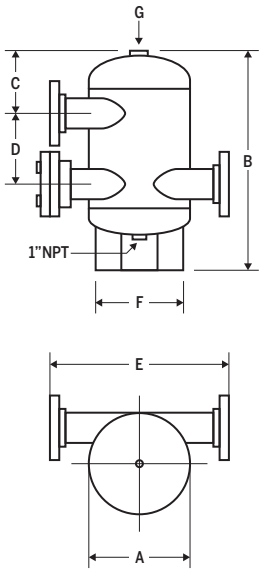
- Design conforms to ASME, section VIII
- Ideal for heating or cooling installations in open or closed loop
- Separate air
- With strainer allowing debris retention
- Adapted fluids: water and 50% glycol solution

### TECHNICAL SPECIFICATIONS

- Carbonized steel housing
- Exterior finish in painted primer
- Maximum temperature: 232°C (450°F)
- Maximum service pressure: 125 PSI
- Pressure of 150, 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models

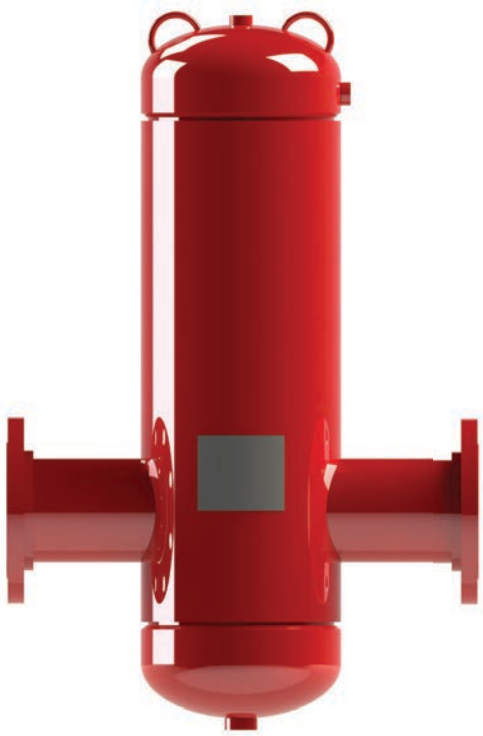



| Model# | Max GPM | Connection | | Type | Dimension | | | | | | | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | E | | F | | G | | | |
| | | in | mm | | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | lb | kg |
| ESPA-2S | 56 | 2 | 51 | NPT | 12 | 305 | 22½ | 572 | 5½ | 140 | 8½ | 216 | 16⅝ | 422 | 9½ | 241 | 1¼ | 32 | 55 | 25 |
| ESPA-2.5S | 90 | 2½ | 64 | NPT | 12 | 305 | 22½ | 572 | 5½ | 140 | 8½ | 216 | 16⅝ | 422 | 9½ | 241 | 1¼ | 32 | 61 | 28 |
| ESPA-3S | 190 | 3 | 76 | CLAMPED | 12 | 305 | 22½ | 572 | 5¾ | 146 | 8 | 203 | 19¾ | 502 | 9½ | 241 | 1¼ | 32 | 66 | 30 |
| ESPA-4S | 300 | 4 | 102 | CLAMPED | 14 | 356 | 32 | 813 | 9⅛ | 232 | 10¾ | 273 | 21¾ | 552 | 11½ | 292 | 1½ | 38 | 99 | 45 |
| ESPA-5S | 530 | 5 | 127 | CLAMPED | 14 | 356 | 32 | 813 | 9⅛ | 232 | 10¾ | 273 | 21¾ | 552 | 11½ | 292 | 1½ | 38 | 163 | 74 |
| ESPA-6S | 850 | 6 | 152 | CLAMPED | 20 | 508 | 44 | 1118 | 13¼ | 337 | 14½ | 368 | 28 | 711 | 18 | 457 | 2 | 51 | 210 | 95 |
| ESPA-8S | 1900 | 8 | 203 | CLAMPED | 20 | 508 | 44 | 1118 | 13¼ | 337 | 14½ | 368 | 28 | 711 | 18 | 457 | 2 | 51 | 417 | 189 |
| ESPA-10S | 3600 | 10 | 254 | CLAMPED | 30 | 762 | 60½ | 1537 | 19 | 483 | 20 | 508 | 41 | 1041 | 24 | 610 | 2 | 51 | 658 | 298 |
| ESPA-12S | 4800 | 12 | 305 | CLAMPED | 30 | 762 | 60½ | 1537 | 19 | 483 | 20 | 508 | 41 | 1041 | 24 | 610 | 2 | 51 | 1042 | 473 |
| ESPA-14S | 6100 | 14 | 356 | CLAMPED | 36 | 914 | 78 | 1981 | 22 | 559 | 31½ | 800 | 46⅜ | 1178 | 30 | 762 | 2 | 51 | 1848 | 838 |
| ESPA-16S | 8000 | 16 | 406 | CLAMPED | 48 | 1219 | 108 | 2743 | 30 | 762 | 40 | 1016 | 60 | 1524 | 38 | 965 | 2 | 51 | 2530 | 1148 |
| ESPA-18S | 9700 | 18 | 457 | CLAMPED | 54 | 1371 | 124 | 3150 | 33 | 838 | 50 | 1270 | 66 | 1676 | 44 | 1118 | 2 | 51 | 3559 | 1614 |
| ESPA-20S | 12000 | 20 | 508 | CLAMPED | 60 | 1524 | 137 | 3480 | 35 | 889 | 60 | 1524 | 72 | 1829 | 50 | 1270 | 2 | 51 | 5610 | 2545 |
| ESPA-22S | 15000 | 22 | 559 | CLAMPED | 66 | 1676 | 150 | 3810 | 38 | 965 | 66 | 1676 | 78 | 1981 | 56 | 1422 | 2 | 51 | 6765 | 3068 |
| ESPA-24S | 17000 | 24 | 610 | CLAMPED | 72 | 1829 | 150 | 3810 | 38 | 965 | 66 | 1676 | 78 | 1981 | 56 | 1422 | 2 | 51 | 7931 | 3597 |

# COALESCENT AIR SEPARATORS

## EWVAA

- Design conforms to ASME, section VIII
- Equipped with a Calvent automatic vent (#CV050)
- Supplied with a drainage valve



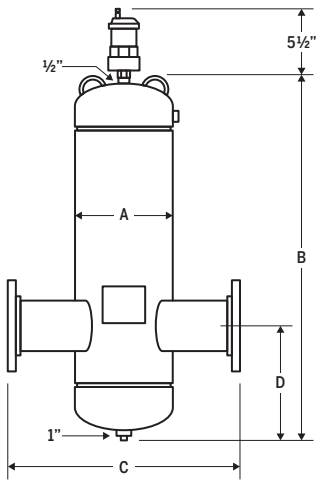
### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: carbonized steel
- Pressure purger valve: brass*
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

## Models

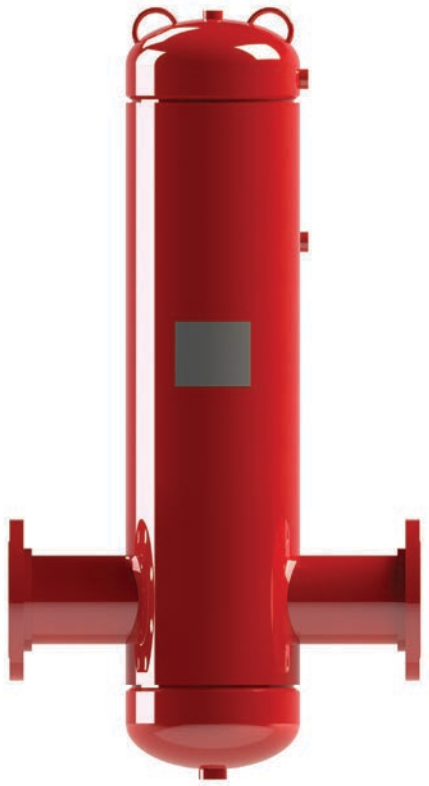



| Model# | Connection | | Maximum flow | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | | |
| | in | mm | GPM | LPM | in | mm | in | mm | in | mm | in | mm | lb | kg |
| EWVAA-2 | 2 | 51 | 69 | 261 | 4 | 102 | 18½ | 470 | 15¼ | 387 | 7 | 178 | 35 | 16 |
| EWVAA-2NPT | 2 | 51 | 69 | 261 | 4 | 102 | 18½ | 470 | 10⅜ | 264 | 7 | 178 | 26 | 12 |
| EWVAA-2.5 | 2½ | 64 | 108 | 409 | 5 | 127 | 18½ | 470 | 15¾ | 400 | 7 | 178 | 61 | 28 |
| EWVAA-2.5NPT | 2½ | 64 | 108 | 409 | 5 | 127 | 18½ | 470 | 11 | 279 | 7 | 178 | 38 | 17 |
| EWVAA-3 | 3 | 76 | 144 | 545 | 6 | 152 | 23 | 584 | 20¼ | 514 | 8½ | 216 | 71 | 32 |
| EWVAA-3NPT | 3 | 76 | 144 | 545 | 6 | 152 | 23 | 584 | 12½ | 318 | 8½ | 216 | 56 | 25 |
| EWVAA-4 | 4 | 102 | 255 | 965 | 8 | 203 | 23 | 584 | 20⅝ | 524 | 8½ | 216 | 105 | 48 |
| EWVAA-5 | 5 | 127 | 398 | 1507 | 10 | 254 | 31 | 787 | 27¾ | 705 | 11½ | 292 | 92 | 42 |
| EWVAA-6 | 6 | 152 | 570 | 2158 | 12 | 305 | 31 | 787 | 27¾ | 705 | 11½ | 292 | 129 | 59 |
| EWVAA-8 | 8 | 203 | 945 | 3577 | 16 | 406 | 36 | 914 | 33⅜ | 854 | 11½ | 292 | 225 | 102 |
| EWVAA-10 | 10 | 254 | 1440 | 5451 | 20 | 508 | 46 | 1168 | 37½ | 953 | 13½ | 343 | 375 | 170 |
| EWVAA-12 | 12 | 305 | 2100 | 7949 | 24 | 610 | 54 | 1372 | 42½ | 1080 | 16 | 406 | 564 | 256 |

# COALESCENT AIR SEPARATORS

## EWVAA-HV / HIGH VELOCITY

- Design conforms to ASME, section VIII
- High velocity
- Equipped with Calvent automatic vent (#CV050)
- Supplied with a drainage valve



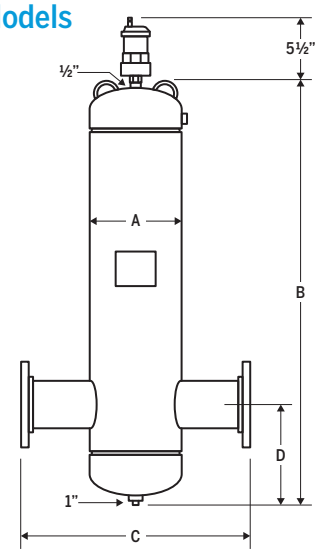
### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: carbonized steel
- Pressure purger valve: brass*
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Connection | | Maximum flow | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | | |
| | in | mm | GPM | LPM | in | mm | in | mm | in | mm | in | mm | lb | kg |
| EWVAA-2HV | 2 | 51 | 105 | 397 | 4 | 102 | 23 | 584 | 15¼ | 387 | 6½ | 165 | 40 | 18 |
| EWVAA-2HV-NPT | 2 | 51 | 105 | 397 | 4 | 102 | 23 | 584 | 10⅜ | 264 | 6½ | 165 | 31 | 14 |
| EWVAA-2.5HV | 2½ | 64 | 155 | 587 | 5 | 127 | 23 | 584 | 15¾ | 400 | 6½ | 165 | 68 | 31 |
| EWVAA-2.5HV-NPT | 2½ | 64 | 155 | 587 | 5 | 127 | 23 | 584 | 11 | 279 | 6½ | 165 | 45 | 20 |
| EWVAA-3HV | 3 | 76 | 225 | 852 | 6 | 152 | 30 | 762 | 20¼ | 514 | 9 | 229 | 82 | 37 |
| EWVAA-3HV-NPT | 3 | 76 | 225 | 852 | 6 | 152 | 30 | 762 | 12½ | 318 | 9 | 229 | 68 | 31 |
| EWVAA-4HV | 4 | 102 | 405 | 1533 | 8 | 203 | 30 | 762 | 20⅝ | 524 | 9 | 229 | 122 | 55 |
| EWVAA-5HV | 5 | 127 | 630 | 2385 | 10 | 254 | 41 | 1041 | 27¾ | 705 | 11½ | 292 | 128 | 58 |
| EWVAA-6HV | 6 | 152 | 910 | 3445 | 12 | 305 | 41 | 1041 | 27¾ | 705 | 11½ | 292 | 140 | 64 |
| EWVAA-8HV | 8 | 203 | 1610 | 6094 | 16 | 406 | 49 | 1245 | 33⅝ | 854 | 11½ | 292 | 245 | 111 |
| EWVAA-10HV | 10 | 254 | 2450 | 9274 | 20 | 508 | 60 | 1524 | 37½ | 953 | 14 | 356 | 407 | 185 |
| EWVAA-12HV | 12 | 305 | 3500 | 13249 | 24 | 610 | 71 | 1803 | 42½ | 1080 | 16 | 406 | 612 | 278 |

# COALESCENT AIR AND DIRT SEPARATORS

## EWVA / REPLACEABLE MEDIA

- Design conforms to ASME, section VIII
- The media can be removed for maintenance or replacement
- Equipped with Calvent automatic vent (#CV050)
- Supplied with a drain valve

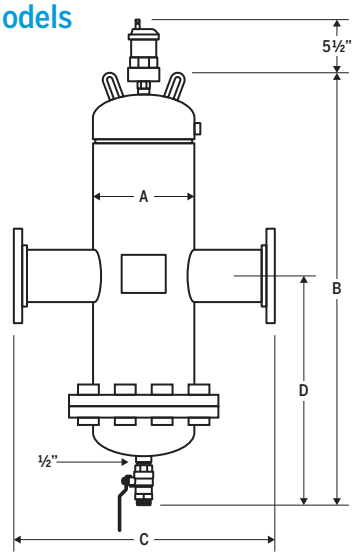
### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: bronze*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 175, 200, 250 and 300 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Connection | | Flow | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | | |
| | in | mm | GPM | LPM | in | mm | in | mm | in | mm | in | mm | lb | kg |
| EWVA-2 | 2 | 51 | 46 | 174 | 9 | 229 | 23 | 584 | 15¼ | 387 | 11½ | 292 | 100 | 45 |
| EWVA-2 NPT | 2 | 51 | 46 | 174 | 9 | 229 | 23 | 584 | 10⅜ | 264 | 11½ | 292 | 90 | 41 |
| EWVA-2.5 | 2½ | 64 | 72 | 273 | 10 | 254 | 23 | 584 | 15¾ | 400 | 11½ | 292 | 125 | 57 |
| EWVA-2.5 NPT | 2½ | 64 | 72 | 273 | 10 | 254 | 23 | 584 | 11 | 279 | 11½ | 292 | 115 | 52 |
| EWVA-3 | 3 | 76 | 96 | 363 | 11 | 279 | 29 | 737 | 20¼ | 514 | 14½ | 368 | 150 | 68 |
| EWVA-3 NPT | 3 | 76 | 96 | 363 | 11 | 279 | 29 | 737 | 12½ | 318 | 14½ | 368 | 130 | 59 |
| EWVA-4 | 4 | 102 | 170 | 644 | 13½ | 343 | 29 | 737 | 20⅝ | 524 | 14½ | 368 | 250 | 113 |
| EWVA-5 | 5 | 127 | 265 | 1003 | 16 | 406 | 39 | 991 | 27¾ | 705 | 19½ | 495 | 310 | 141 |
| EWVA-6 | 6 | 152 | 380 | 1438 | 19 | 483 | 39 | 991 | 27¾ | 705 | 19½ | 495 | 375 | 170 |
| EWVA-8 | 8 | 203 | 630 | 2385 | 23½ | 597 | 49 | 1245 | 35⅝ | 905 | 24½ | 622 | 700 | 318 |
| EWVA-10 | 10 | 254 | 960 | 3634 | 27½ | 699 | 65 | 1651 | 37½ | 953 | 32½ | 826 | 1000 | 454 |
| EWVA-12 | 12 | 305 | 1400 | 5300 | 32 | 813 | 76 | 1930 | 42½ | 1080 | 38 | 965 | 1500 | 680 |

# COALESCENT AIR AND DIRT SEPARATORS

## EWVA-HV / HIGH VELOCITY / REPLACEABLE MEDIA

- Design conforms to ASME, section VIII
- High velocity
- The media can be removed for maintenance or replacement
- Equipped with Calvent automatic air vent (#CV050)
- Supplied with a drain valve

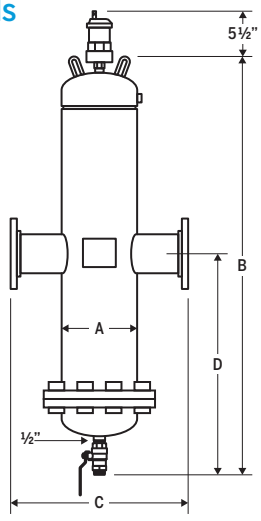
### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: bronze*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 175, 200, 250 and 300 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Connection | | Flow | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | | |
| | in | mm | GPM | LPM | in | mm | in | mm | in | mm | in | mm | lb | kg |
| EWVA-2-HV | 2 | 51 | 105 | 397 | 4 | 102 | 33 | 838 | 15¼ | 387 | 16½ | 419 | 76 | 35 |
| EWVA-2.5-HV | 2½ | 64 | 155 | 587 | 5 | 127 | 33 | 838 | 15¼ | 387 | 16½ | 419 | 99 | 45 |
| EWVA-3-HV | 3 | 76 | 225 | 852 | 6 | 152 | 42 | 1067 | 20¼ | 514 | 21 | 533 | 139 | 64 |
| EWVA-4-HV | 4 | 102 | 405 | 1533 | 8 | 203 | 42 | 1067 | 20⅝ | 524 | 21 | 533 | 219 | 99 |
| EWVA-5-HV | 5 | 127 | 630 | 2385 | 10 | 254 | 59 | 1499 | 27¾ | 705 | 29½ | 749 | 236 | 107 |
| EWVA-6-HV | 6 | 152 | 910 | 3445 | 12 | 305 | 59 | 1499 | 27¾ | 705 | 29½ | 749 | 405 | 184 |
| EWVA-8-HV | 8 | 203 | 1610 | 6095 | 16 | 406 | 75 | 1905 | 33⅝ | 854 | 37½ | 953 | 639 | 290 |
| EWVA-10-HV | 10 | 254 | 2450 | 9274 | 20 | 508 | 92 | 2337 | 37½ | 953 | 46 | 1168 | 1045 | 474 |
| EWVA-12-HV | 12 | 305 | 3500 | 13249 | 24 | 610 | 110 | 2794 | 42½ | 1080 | 55 | 1397 | 1630 | 739 |
| EWVA-14-HV | 14 | 356 | 4800 | 18170 | 30 | 762 | 110 | 2794 | 48 | 1219 | 55 | 1397 | 2400 | 1087 |
| EWVA-16-HV | 16 | 406 | 6250 | 23659 | 32 | 813 | 110 | 2794 | 48 | 1219 | 55 | 1397 | 3000 | 1361 |

# COALESCENT AIR AND DIRT SEPARATORS

## EWVAN

- Design conforms to ASME, section VIII
- Non-replaceable media
- Equipped with Calvent automatic vent (#CV050)
- Supplied with a drain valve

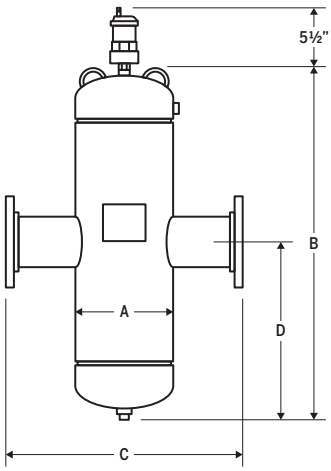
### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: carbonized steel
- Pressure purger valve: bronze*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Connection | | Maximum flow | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | | |
| | in | mm | GPM | LPM | in | mm | in | mm | in | mm | in | mm | lb | kg |
| EWVAN-2 | 2 | 51 | 69 | 261 | 4½ | 114 | 23 | 584 | 15¼ | 387 | 11½ | 292 | 76 | 35 |
| EWVAN-2NPT | 2 | 51 | 69 | 261 | 4½ | 114 | 23 | 584 | 9 | 229 | 11½ | 292 | 70 | 32 |
| EWVAN-2.5 | 2½ | 64 | 108 | 409 | 5½ | 140 | 23 | 584 | 15¾ | 400 | 11½ | 292 | 99 | 45 |
| EWVAN-2.5NPT | 2½ | 64 | 108 | 409 | 5½ | 140 | 23 | 584 | 10½ | 267 | 11½ | 292 | 90 | 41 |
| EWVAN-3 | 3 | 76 | 144 | 545 | 6½ | 165 | 29 | 737 | 20¼ | 514 | 14½ | 368 | 114 | 52 |
| EWVAN-3NPT | 3 | 76 | 144 | 545 | 6½ | 165 | 29 | 737 | 12¾ | 324 | 14½ | 368 | 100 | 46 |
| EWVAN-4 | 4 | 102 | 255 | 965 | 8½ | 216 | 29 | 737 | 20⅝ | 524 | 14½ | 368 | 194 | 88 |
| EWVAN-5 | 5 | 127 | 398 | 1507 | 10 | 254 | 39 | 991 | 27¾ | 705 | 19½ | 495 | 230 | 105 |
| EWVAN-6 | 6 | 152 | 570 | 2158 | 12 | 305 | 39 | 991 | 27¾ | 705 | 19½ | 495 | 255 | 116 |
| EWVAN-8 | 8 | 203 | 945 | 3577 | 16 | 406 | 49 | 1245 | 33⅜ | 854 | 24½ | 622 | 514 | 234 |
| EWVAN-10 | 10 | 254 | 1440 | 5451 | 20 | 508 | 65 | 1651 | 37½ | 953 | 32½ | 826 | 770 | 350 |
| EWVAN-12 | 12 | 305 | 2100 | 7949 | 24 | 610 | 76 | 1930 | 42½ | 1080 | 38 | 965 | 1080 | 491 |

# COALESCENT AIR AND DIRT SEPARATORS

## EWVAN-HV / HIGH VELOCITY

- Design conforms to ASME, section VIII
- Non-replaceable media
- Equipped with Calvent automatic air vent (#CV050)
- Supplied with a drain valve

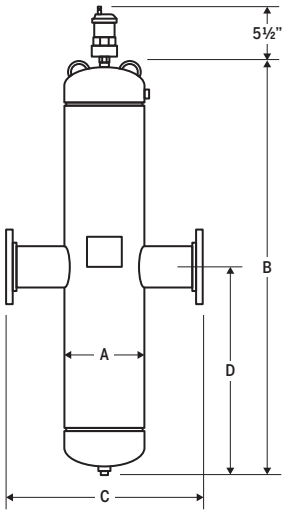
### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: carbonized steel
- Pressure purger valve: bronze*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Connection | | Maximum flow | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | | |
| | in | mm | GPM | LPM | in | mm | in | mm | in | mm | in | mm | lb | kg |
| EWVAN-2HV | 2 | 51 | 105 | 397 | 4½ | 114 | 33 | 838 | 15¾ | 400 | 16½ | 419 | 100 | 45 |
| EWVAN-2HV-NPT | 2 | 51 | 105 | 397 | 4½ | 114 | 33 | 838 | 9 | 229 | 16½ | 419 | 90 | 41 |
| EWVAN-2.5HV | 2½ | 64 | 155 | 587 | 5½ | 140 | 33 | 838 | 15¾ | 400 | 16½ | 419 | 125 | 57 |
| EWVAN-2.5HV-NPT | 2½ | 64 | 155 | 587 | 5½ | 140 | 33 | 838 | 10½ | 267 | 16½ | 419 | 115 | 52 |
| EWVAN-3HV | 3 | 76 | 225 | 852 | 6½ | 165 | 42 | 1067 | 20¼ | 514 | 21 | 533 | 150 | 68 |
| EWVAN-3HV-NPT | 3 | 76 | 225 | 852 | 6½ | 165 | 42 | 1067 | 12¾ | 324 | 21 | 533 | 130 | 59 |
| EWVAN-4HV | 4 | 102 | 405 | 1533 | 8½ | 216 | 42 | 1067 | 20⅝ | 524 | 21 | 533 | 250 | 114 |
| EWVAN-5HV | 5 | 127 | 630 | 2385 | 10 | 254 | 59 | 1499 | 27¾ | 705 | 29½ | 749 | 310 | 141 |
| EWVAN-6HV | 6 | 152 | 910 | 3445 | 12 | 305 | 59 | 1499 | 27¾ | 705 | 29½ | 749 | 375 | 170 |
| EWVAN-8HV | 8 | 203 | 1610 | 6094 | 16 | 406 | 75 | 1905 | 33⅜ | 854 | 37½ | 953 | 700 | 318 |
| EWVAN-10HV | 10 | 254 | 2450 | 9274 | 20 | 508 | 92 | 2337 | 37½ | 953 | 46 | 1168 | 1000 | 455 |
| EWVAN-12HV | 12 | 305 | 3500 | 13249 | 24 | 610 | 110 | 2794 | 42½ | 1080 | 55 | 1397 | 1500 | 682 |

# COALESCENT DIRT SEPARATORS

## EWVAD / REPLACEABLE MEDIA

- Design conforms to ASME, section VIII
- Removable base for easy maintenance
- Equipped with Calvent automatic vent (#CV050)
- Supplied with a drain valve

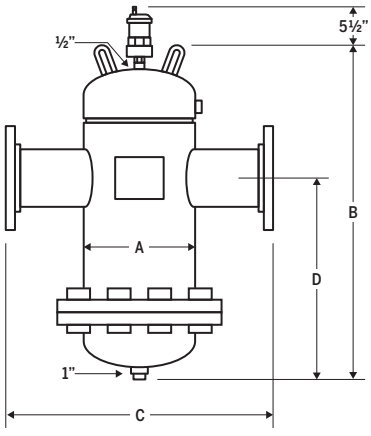
### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: brass*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models




| Model# | Connection | | Maximum flow | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | | |
| | in | mm | GPM | LPM | in | mm | in | mm | in | mm | in | mm | lb | kg |
| EWVAD-2 | 2 | 51 | 69 | 261 | 9 | 229 | 18½ | 470 | 15¼ | 387 | 11½ | 292 | 64 | 29 |
| EWVAD-2NPT | 2 | 51 | 69 | 261 | 9 | 229 | 18½ | 470 | 10⅜ | 264 | 11½ | 292 | 55 | 25 |
| EWVAD-2.5 | 2½ | 64 | 108 | 409 | 10 | 254 | 18½ | 470 | 15¾ | 400 | 11½ | 292 | 82 | 37 |
| EWVAD-2.5NPT | 2½ | 64 | 108 | 409 | 10 | 254 | 18½ | 470 | 11 | 279 | 11½ | 292 | 70 | 32 |
| EWVAD-3 | 3 | 76 | 144 | 545 | 11 | 279 | 23 | 584 | 20¼ | 514 | 14½ | 368 | 113 | 51 |
| EWVAD-3NPT | 3 | 76 | 144 | 545 | 11 | 279 | 23 | 584 | 12½ | 318 | 14½ | 368 | 198 | 90 |
| EWVAD-4 | 4 | 102 | 255 | 965 | 13½ | 343 | 23 | 584 | 20⅝ | 524 | 14½ | 368 | 168 | 76 |
| EWVAD-5 | 5 | 127 | 398 | 1507 | 16 | 406 | 31 | 787 | 27¾ | 705 | 19½ | 495 | 245 | 111 |
| EWVAD-6 | 6 | 152 | 570 | 2158 | 19 | 483 | 31 | 787 | 27¾ | 705 | 19½ | 495 | 347 | 158 |
| EWVAD-8 | 8 | 203 | 945 | 3577 | 23½ | 597 | 36 | 914 | 33⅝ | 854 | 24½ | 622 | 451 | 205 |
| EWVAD-10 | 10 | 254 | 1440 | 5451 | 27½ | 699 | 46 | 1168 | 37½ | 953 | 32½ | 826 | 711 | 323 |
| EWVAD-12 | 12 | 305 | 2100 | 7949 | 32 | 813 | 54 | 1372 | 42½ | 1080 | 38 | 965 | 1121 | 510 |

# COALESCENT DIRT SEPARATORS

## EWVAD-HV / HIGH VELOCITY / REPLACEABLE MEDIA

- Design conforms to ASME, section VIII
- High velocity
- Removable base for easy maintenance
- Equipped with Calvent automatic air vent (#CV050)
- Supplied with drain valve

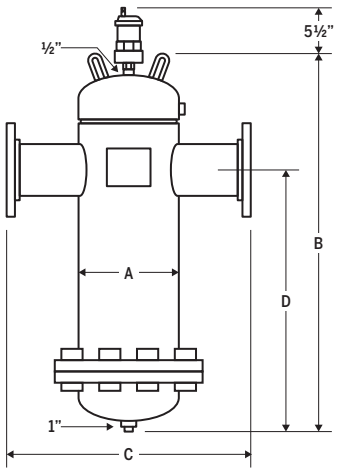
### TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: brass*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

### Models

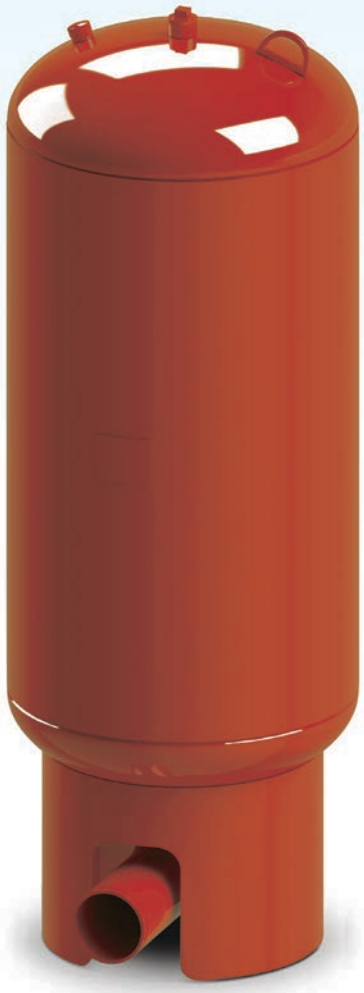



| Model# | Connection | | Maximum flow | | Dimension | | | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | D | | | |
| | in | mm | GPM | LPM | in | mm | in | mm | in | mm | in | mm | lb | kg |
| EWVAD-2HV | 2 | 51 | 105 | 397 | 9 | 229 | 23 | 584 | 15¼ | 387 | 16½ | 419 | 69 | 31 |
| EWVAD-2HV- NPT | 2 | 51 | 105 | 397 | 9 | 229 | 23 | 584 | 10⅜ | 264 | 16½ | 419 | 60 | 27 |
| EWVAD-2.5HV | 2½ | 64 | 155 | 587 | 10 | 254 | 23 | 584 | 15¾ | 400 | 16½ | 419 | 89 | 40 |
| EWVAD-2.5HV-NPT | 2½ | 64 | 155 | 587 | 10 | 254 | 23 | 584 | 11 | 279 | 16½ | 419 | 77 | 35 |
| EWVAD-3HV | 3 | 76 | 225 | 852 | 11 | 279 | 30 | 762 | 20¼ | 514 | 21 | 533 | 125 | 57 |
| EWVAD-3HV-NPT | 3 | 76 | 225 | 852 | 11 | 279 | 30 | 762 | 12½ | 318 | 21 | 533 | 110 | 50 |
| EWVAD-4HV | 4 | 102 | 405 | 1533 | 13½ | 343 | 30 | 762 | 20⅝ | 524 | 21 | 533 | 185 | 84 |
| EWVAD-5HV | 5 | 127 | 630 | 2385 | 16 | 406 | 41 | 1041 | 27¾ | 705 | 29½ | 749 | 280 | 127 |
| EWVAD-6HV | 6 | 152 | 910 | 3445 | 19 | 483 | 41 | 1041 | 27¾ | 705 | 29½ | 749 | 390 | 177 |
| EWVAD-8HV | 8 | 203 | 1610 | 6094 | 23½ | 597 | 49 | 1245 | 33⅜ | 854 | 37¾ | 959 | 472 | 215 |
| EWVAD-10HV | 10 | 254 | 2450 | 9274 | 27½ | 699 | 60 | 1524 | 37½ | 953 | 46 | 1168 | 744 | 338 |
| EWVAD-12HV | 12 | 305 | 3500 | 13249 | 32 | 813 | 71 | 1803 | 42½ | 1080 | 55 | 1397 | 1169 | 531 |

# ASME SPECIALIZED TANKS

## CALEFACTIO CAN PRODUCE CUSTOM TANKS TELL US ABOUT YOUR PROJECT!

- ALL ASME TANKS IN STAINLESS STEEL
- LOW LOSS HEADER
- AND MUCH MORE!



# SPECIFICATIONS

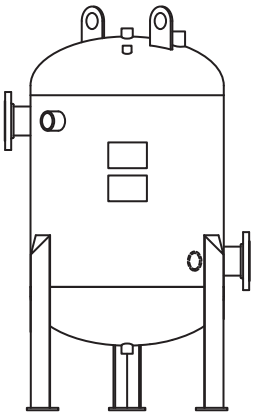
- Constructed according to the ASME code, section VIII, DIV. 1
- Conforms to the CSA B.51 standard
- Available vertically (V) or horizontally (H)
- Carbon steel or stainless steel construction
- Design of 125 PSI (862 KPa), 150 PSI (1 034 KPa), 200 PSI (1 379 KPa) and greater on demand
- Exterior finish: external solvent cleaning and grey coat primer application

## ASME Storage Tank for Chilled Water and Glycol

### Options

- Epoxy coated interior
- Concrete coated interior
- Horizontal with steel "floor" saddles

| Model# | Description |
|---|---|
| CBT | Available from 24" to 144" diameter |



## ASME Bi-Energy Domestic Hot Water Storage Tank

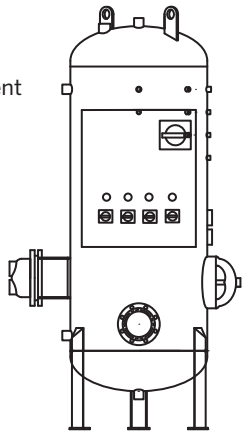
### Technical Specifications

- Conforms to the NSF61 standard
- With water (W) or vapour (V) exchanger tube and electric element
- Replaceable aluminium anodes
- C/A pre-wired control panel

### Options

- Interior coating hydrophobic cement, 20 mm (¾") thick
- Horizontal with steel "floor" saddles

| Model# | Description |
|---|---|
| STA-BI | Available from 24" to 144" diameter |



## ASME Domestic Hot Water Storage Tank with Heater

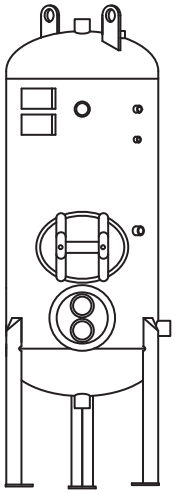
### Technical Specifications

- Conforms to the NSF61 standard
- Replaceable aluminium anodes
- C/A pre-wired control panel
- Available from 24" to 144" diameter

### Options

- Interior coating hydrophobic cement, 20 mm (¾") thick
- Horizontal with steel "floor" saddles

| Model# | Description |
|---|---|
| STATEW | With water - tube exchanger |
| STATEV | With vapour - tube exchanger |
| STAEE | With electrical exchanger |



## ASME Domestic Hot Water Storage Tank without Heater

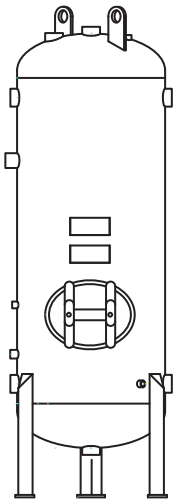
### Technical Specifications

- Conforms to the NSF61 standard
- Aluminium anodes

### Options

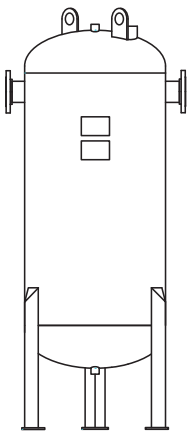
- Interior coating hydrophobic cement, from 20 mm (¾") thick
- Horizontal with steel "floor" saddles

| Model# | Description |
|---|---|
| STA | Available from 24" to 144" diameter |



## SPECIFICATIONS

- Constructed according to the ASME code, section VIII, DIV. 1
- Conforms to the CSA B.51 standard
- Available vertically (V) or horizontally (H)
- Carbon steel or stainless steel construction
- Designs of 125 PSI (862 KPa), 150 PSI (1 034 KPa), 200 PSI (1 379 KPa) and greater on demand
- Exterior finish: external solvent cleaning and grey coat primer application



### ASME Buffer Tank

**Options**

- Horizontal with steel "floor" saddles
- Bottom connection
- Internal deflector for a more uniform mixture

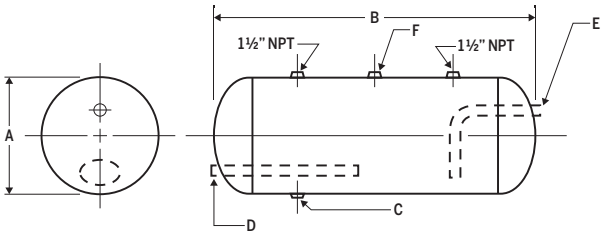
| Model# | Description |
|---|---|
| HBT | Available from 24" to 144" diameter |

# ASME FLASH TANKS

## EFTA SERIES

**Construction**

- Constructed according to ASME code, section VIII, Div.1
- Design temperature: 450°F / 232°C
- Painted exterior with a primer coat




### Models

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

| Model# | Capacity | | W.P. | Dimensions | | | | | | | | | | Weight | | Clear. | Options | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | | B | | C | | D E | | F | | | | | | | |
| | gal | L | PSI | in | mm | in | mm | in | mm | in | mm | in | mm | lb | kg | pi² | Inlet | Oulet | Hand Hole |
| EFTA-13 | 13 | 49.2 | 150 | 10 | 254 | 39 | 991 | 1 | 25 | 1½ | 38 | 2 | 51 | 79 | 36 | 2.71 | 1½"×18" with 20 holes ⅜" | 1½" 38.1 mm | 4"× 6" 101.6 mm × 152.4 mm |
| EFTA-18 | 18 | 68.1 | 150 | 12 | 305 | 39 | 991 | 1 | 25 | 1½ | 38 | 2 | 51 | 94 | 43 | 3.25 | | | |
| EFTA-24 | 24 | 90.8 | 150 | 14 | 356 | 39 | 991 | 1 | 25 | 1½ | 38 | 2 | 51 | 108 | 49 | 3.79 | | | |
| EFTA-30 | 30 | 113.6 | 150 | 16 | 406 | 38 | 965 | 1½ | 38 | 1½ | 38 | 2½ | 64 | 121 | 55 | 4.22 | | | |
| EFTA-48 | 48 | 181.7 | 125 | 18 | 457 | 48 | 1219 | 2 | 51 | 1½ | 38 | 2½ | 64 | 168 | 76 | 6.00 | | | |
| EFTA-80 | 80 | 302.8 | 125 | 24 | 610 | 46 | 1168 | 2 | 51 | 2 | 51 | 3 | 76 | 214 | 97 | 7.67 | 2"×24" with 32 holes ⅜" | 2" 50.8 mm | |
| EFTA-125 | 125 | 473.2 | 125 | 30 | 762 | 48 | 1219 | 2½ | 64 | 2 | 51 | 3 | 76 | 285 | 129 | 10 | | | |
| EFTA-180 | 180 | 681.4 | 125 | 36 | 914 | 48 | 1219 | 3 | 76 | 2 | 51 | 3 | 76 | 339 | 154 | 12 | | | |

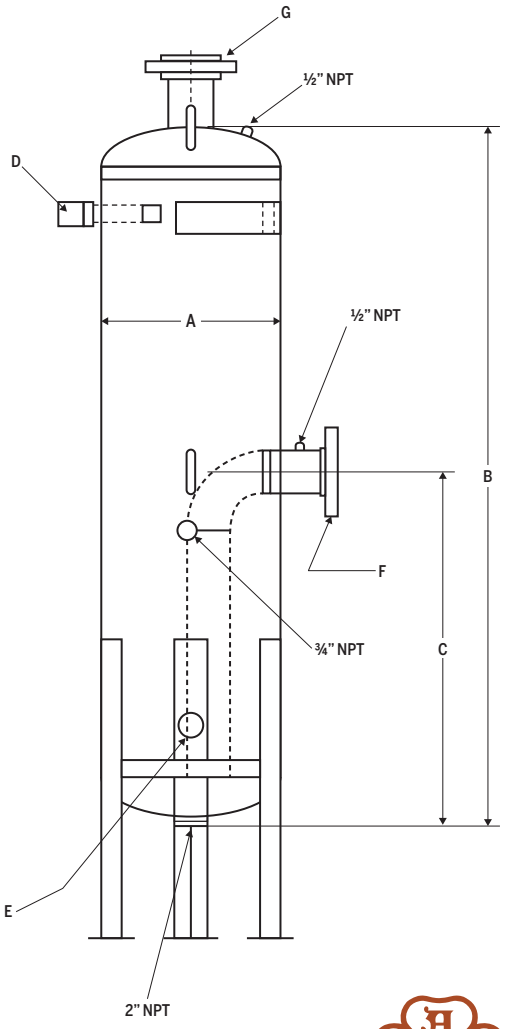
Spray duct, splash pipes and inspection holes are available as optional equipment.

# ASME BLOWDOWN TANKS

## EBDT SERIES

### TECHNICAL SPECIFICATIONS

- Conforms to chapter VIII of the ASME code
- Exterior painted primer
- Head and shell from ⅜ in material
- Design temperature 450°F
- Operating pressure 125 psig




## Models

| Model# | Design pressure for boiler | Dimension | | | | Outlet height | | Pressure purger | | Cold water intake | | Cold water outlet | | Pressure purger | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | | B | | C | | D | | E | | F | | G | |
| | | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm |
| EBDT-21 | 20 to 50 | 14 | 356 | 66 | 1676 | 33 | 838 | ¾ | 19 | ¾ | 19 | 1½ | 38 | 2 | 51 |
| EBDT-22 | 20 to 50 | 14 | 356 | 66 | 1676 | 33 | 838 | 1 | 25 | 1 | 25 | 1½ | 38 | 2 | 51 |
| EBDT-23 | 20 to 50 | 14 | 356 | 66 | 1676 | 33 | 838 | 1¼ | 32 | 1¼ | 32 | 2½ | 64 | 2 | 51 |
| EBDT-24 | 20 to 50 | 14 | 356 | 66 | 1676 | 33 | 838 | 1½ | 38 | 1¼ | 32 | 2½ | 64 | 2½ | 64 |
| EBDT-25 | 20 to 50 | 18 | 457 | 72 | 1829 | 36 | 914 | 2 | 51 | 2 | 51 | 4 | 102 | 3 | 76 |
| EBDT-26 | 20 to 50 | 20 | 508 | 72 | 1829 | 36 | 914 | 2½ | 64 | 2 | 51 | 4 | 102 | 4 | 102 |
| EBDT-51 | 51 to 100 | 14 | 356 | 66 | 1676 | 33 | 838 | ¾ | 19 | 1 | 25 | 1½ | 38 | 2 | 51 |
| EBDT-52 | 51 to 100 | 14 | 356 | 66 | 1676 | 33 | 838 | 1 | 25 | 1¼ | 32 | 2 | 51 | 2½ | 64 |
| EBDT-53 | 51 to 100 | 18 | 457 | 72 | 1829 | 36 | 914 | 1¼ | 32 | 1½ | 38 | 3 | 76 | 3 | 76 |
| EBDT-54 | 51 to 100 | 18 | 457 | 72 | 1829 | 36 | 914 | 1½ | 38 | 2 | 51 | 4 | 102 | 4 | 102 |
| EBDT-55 | 51 to 100 | 24 | 610 | 72 | 1829 | 36 | 914 | 2 | 51 | 2½ | 64 | 4 | 102 | 5 | 127 |
| EBDT-56 | 51 to 100 | 30 | 762 | 78 | 1981 | 39 | 990 | 2½ | 64 | 2½ | 64 | 5 | 127 | 6 | 152 |
| EBDT-101 | 101 to 150 | 14 | 356 | 66 | 1676 | 33 | 838 | ¾ | 19 | 1 | 25 | 2 | 51 | 2½ | 64 |
| EBDT-102 | 101 to 150 | 14 | 356 | 66 | 1676 | 33 | 838 | 1 | 25 | 1¼ | 32 | 3 | 76 | 3 | 76 |
| EBDT-103 | 101 to 150 | 20 | 508 | 72 | 1829 | 36 | 914 | 1¼ | 32 | 1½ | 38 | 3 | 76 | 4 | 102 |
| EBDT-104 | 101 to 150 | 24 | 610 | 72 | 1829 | 36 | 914 | 1½ | 38 | 2 | 51 | 4 | 102 | 5 | 127 |
| EBDT-151 | 151 to 200 | 14 | 356 | 66 | 1676 | 33 | 838 | ¾ | 19 | 1 | 25 | 2 | 51 | 3 | 76 |
| EBDT-152 | 151 to 200 | 18 | 457 | 72 | 1829 | 36 | 914 | 1 | 25 | 1¼ | 32 | 2½ | 64 | 4 | 102 |
| EBDT-153 | 151 to 200 | 24 | 610 | 72 | 1829 | 36 | 914 | 1¼ | 32 | 2 | 51 | 3 | 76 | 5 | 127 |
| EBDT-154 | 151 to 200 | 30 | 762 | 78 | 1981 | 39 | 990 | 1½ | 38 | 2 | 51 | 4 | 102 | 6 | 152 |
| EBDT-156 | 151 to 200 | 48 | 1219 | 78 | 1981 | 39 | 990 | 2½ | 64 | 3 | 76 | 5 | 127 | 8 | 203 |
| EBDT-201 | 201 to 300 | 18 | 457 | 72 | 1829 | 34 | 863 | ¾ | 19 | 1¼ | 32 | 2 | 51 | 4 | 102 |
| EBDT-202 | 201 to 300 | 24 | 610 | 72 | 1829 | 34 | 863 | 1 | 25 | 1½ | 38 | 2½ | 64 | 5 | 127 |
| EBDT-203 | 201 to 300 | 30 | 762 | 78 | 1981 | 39 | 990 | 1¼ | 32 | 2 | 51 | 4 | 102 | 6 | 152 |
| EBDT-204 | 201 to 300 | 36 | 914 | 78 | 1981 | 39 | 990 | 1½ | 38 | 2½ | 64 | 4 | 102 | 6 | 152 |
| EBDT-205 | 201 to 300 | 48 | 1219 | 78 | 1981 | 39 | 990 | 2 | 51 | 3 | 76 | 5 | 127 | 8 | 203 |
| EBDT-206 | 201 to 300 | 54 | 1372 | 84 | 2134 | 42 | 1067 | 2½ | 64 | 3 | 76 | 6 | 152 | 10 | 254 |
| EBDT-301 | 301 to 400 | 20 | 508 | 72 | 1829 | 36 | 914 | ¾ | 19 | 1¼ | 32 | 2½ | 64 | 4 | 102 |
| EBDT-302 | 301 to 400 | 24 | 610 | 72 | 1829 | 36 | 914 | 1 | 25 | 1½ | 38 | 3 | 76 | 5 | 127 |
| EBDT-304 | 301 to 400 | 42 | 1067 | 78 | 1981 | 39 | 990 | 1½ | 38 | 2½ | 64 | 4 | 102 | 8 | 203 |
| EBDT-305 | 301 to 400 | 54 | 1372 | 84 | 2134 | 42 | 1067 | 2 | 51 | 3 | 76 | 5 | 127 | 10 | 254 |
| EBDT-306 | 301 to 400 | 66 | 1676 | 84 | 2134 | 42 | 1067 | 2½ | 64 | 4 | 102 | 6 | 152 | 10 | 254 |
| EBDT-401 | 401 to 500 | 20 | 508 | 72 | 1829 | 36 | 914 | 1¼ | 19 | 1¼ | 32 | 2½ | 64 | 4 | 102 |
| EBDT-404 | 401 to 500 | 48 | 1219 | 78 | 1981 | 39 | 990 | 1½ | 38 | 1½ | 38 | 4 | 102 | 8 | 203 |
| EBDT-405 | 401 to 500 | 60 | 1524 | 84 | 2134 | 42 | 1067 | 2 | 51 | 3 | 76 | 5 | 127 | 10 | 254 |
| EBDT-406 | 401 to 500 | 72 | 1829 | 84 | 2134 | 42 | 1067 | 2½ | 64 | 4 | 102 | 8 | 203 | 12 | 305 |
| EBDT-501 | 501 to 600 | 24 | 610 | 72 | 1829 | 36 | 914 | ¾ | 19 | 1¼ | 32 | 2½ | 64 | 5 | 127 |
| EBDT-502 | 501 to 600 | 30 | 762 | 78 | 1981 | 39 | 990 | 1 | 25 | 1½ | 38 | 3 | 76 | 6 | 152 |
| EBDT-503 | 501 to 600 | 42 | 1067 | 78 | 1981 | 39 | 990 | 1¼ | 32 | 2½ | 64 | 4 | 102 | 8 | 203 |
| EBDT-504 | 501 to 600 | 54 | 1372 | 84 | 2134 | 42 | 1067 | 1½ | 38 | 2½ | 64 | 5 | 127 | 10 | 254 |
| EBDT-505 | 501 to 600 | 66 | 1676 | 84 | 2134 | 42 | 1067 | 2 | 51 | 3 | 76 | 6 | 152 | 12 | 305 |
| EBDT-506 | 501 to 600 | 72 | 1829 | 84 | 2134 | 42 | 1067 | 2½ | 64 | 4 | 102 | 8 | 203 | 12 | 305 |
| EBDT-602 | 601 to 800 | 36 | 914 | 78 | 1981 | 39 | 990 | 1 | 25 | 1½ | 38 | 3 | 76 | 6 | 152 |
| EBDT-603 | 601 to 800 | 48 | 1219 | 78 | 1981 | 39 | 990 | 1¼ | 32 | 2 | 51 | 4 | 102 | 8 | 203 |
| EBDT-604 | 601 to 800 | 60 | 1524 | 84 | 2134 | 42 | 1067 | 1½ | 38 | 2½ | 64 | 5 | 127 | 10 | 254 |
| EBDT-605 | 601 to 800 | 72 | 1829 | 84 | 2134 | 42 | 1067 | 2 | 51 | 3 | 76 | 6 | 152 | 12 | 305 |
| EBDT-606 | 601 to 800 | 72 | 1829 | 84 | 2134 | 42 | 1067 | 2½ | 64 | 4 | 102 | 8 | 203 | 12 | 305 |

GMP
Glycol Make-up Package

# GLYCOL MAKE-UP PACKAGE

GMP from Calefactio are economical and robust. Their main function is to automatically maintain the pressure of water or of a water/glycol mixture in the closed loops of heating, solar, radiant heating or snow melting system. Different sets of level alarm panels, as an option, offer an audible and visual indication in case of leak.

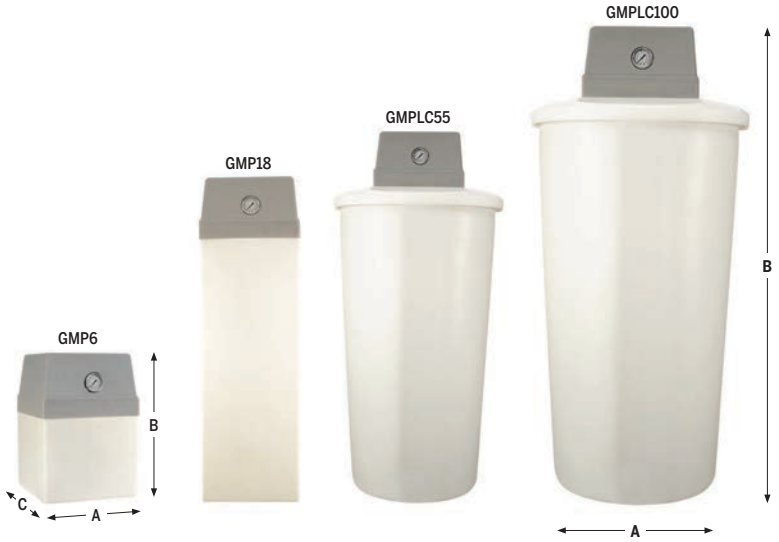
## RESIDENTIAL


## COMMERCIAL & INDUSTRIAL

# MODELS

## Residential GMP

| Model# | Capacity | | Dimension | | | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | | B | | C | | | |
| | gal | L | in | mm | in | mm | in | mm | lb | kg |
| GMP6 | 6 | 22.7 | 12 | 305 | 17.5 | 445 | 12 | 305 | 18.92 | 8.6 |
| GMP18 | 18 | 68.1 | 12 | 305 | 39.25 | 997 | 12 | 305 | 26.62 | 12.1 |
| GMPLC55 | 55 | 208 | 24 | 610 | 48 | 1219 | – | – | 37.84 | 17.2 |
| GMPLC100 | 100 | 379 | 33 | 838 | 62 | 1575 | – | – | 51.48 | 23.4 |

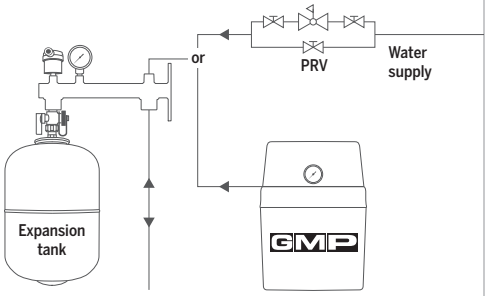



# SPECIFICATIONS

- Pump: 1.6 GPM (6 L/m)
- Discharge connection: ½" FPT
- 120 VAC/1 ph/60 Hz, standard plug with 1.8 m (6 ft) power cord.
- Level switch with plug (*piggyback*), pump power cutoff when the liquid in the tank is too low.
- The pressure regulation valve is easily adjustable to maintain pressure up to 412.8 kPa (60 psig), and 690 kPa (100 psig) for solar models.

A Flexible hose B ¾" Opening for return from the system safety valve
C By-pass valve D Pressure adjustment valve E Pump
F Glycerine pressure gauge (0-100 PSI) G 3-way filling valve


## Installation Schematic




# ACCESSORIES

## Wall Mounting Shelf

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| GMP6WMS | Wall support for GMP6 | 7.48 | 3.4 |

## Alarm Panel Kit

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| GMPAL | Remote low level alarm | 1.98 | 0.9 |

## Float

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| GMPDC | Low level interrupter | 1.32 | 0.6 |

## Connection Hose

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| BH72 | 72" Braided hose | 1.32 | 0.6 |

## Filling Kit

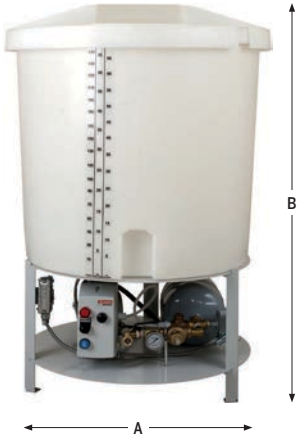
| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| GMPFILLINGKIT | Reusable hose for system filling | 0.22 | 0.1 |

# MODELS

## Single GMP

- Tank, 50 or 100 gallons
- 1 booster pump of ⅓ or ½ C.V.
- 1 pressure regulator
- Pressure maintained between 10 and 70 PSI

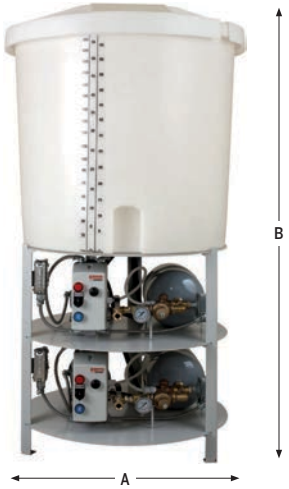
| Model# | Motor | | Tank | | Dimension | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | | |
| | HP | kW | gal | L | in | mm | in | mm | lb | kg |
| GMP13050 | ⅓ | 0.2 | 50 | 189 | 28 | 710 | 42 | 1070 | 90 | 41 |
| GMP13100 | ⅓ | 0.2 | 100 | 378 | 28 | 710 | 67 | 1700 | 105 | 47 |
| GMP15050 | ½ | 0.4 | 50 | 189 | 28 | 710 | 42 | 1070 | 95 | 43 |
| GMP15100 | ½ | 0.4 | 100 | 378 | 28 | 710 | 67 | 1700 | 110 | 49 |




## Duplex GMP

- Tank, 50 or 100 gallons
- 2 booster pumps of ⅓ or ½ C.V.
- 2 pressure regulators
- Pressure maintained between 10 and 70 PSI

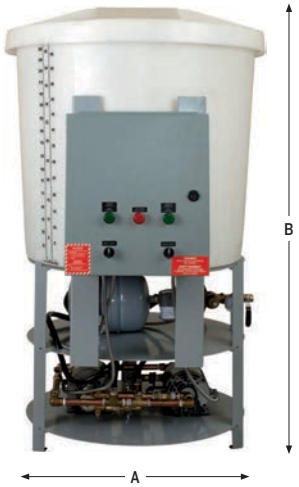
| Model# | Motor | | Tank | | Dimension | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | | |
| | HP | kW | gal | L | in | mm | in | mm | lb | kg |
| GMPD23050 | ⅓ | 0.2 | 50 | 189 | 28 | 710 | 55 | 1400 | 153 | 69 |
| GMPD23100 | ⅓ | 0.2 | 100 | 378 | 28 | 710 | 78 | 1980 | 166 | 75 |
| GMPD25050 | ½ | 0.4 | 50 | 189 | 28 | 710 | 55 | 1400 | 153 | 69 |
| GMPD25100 | ½ | 0.4 | 100 | 378 | 28 | 710 | 78 | 1980 | 166 | 75 |




## Twin GMP

- Tank, 50 or 100 gallons
- 2 booster pumps of ⅓ or ½ C.V.
- 2 pressure regulators
- Pressure maintained between 10 and 70 PSI
- Alternation managed by a control panel supplied by an alternator and two magnetic starters

| Model# | Motor | | Tank | | Dimension | | | | Approx. weight | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | | |
| | HP | kW | gal | L | in | mm | in | mm | lb | kg |
| GMPT33050 | ⅓ | 0.2 | 50 | 189 | 28 | 710 | 55 | 1400 | 188 | 85 |
| GMPT33100 | ⅓ | 0.2 | 100 | 378 | 28 | 710 | 78 | 1980 | 201 | 91 |
| GMPT35050 | ½ | 0.4 | 50 | 189 | 28 | 710 | 55 | 1400 | 188 | 85 |
| GMPT35100 | ½ | 0.4 | 100 | 378 | 28 | 710 | 78 | 1980 | 201 | 91 |




# SPECIFICATIONS

- **Make-up capacity**
  1.8 gpm@70 PSI
  6.8 L/m@482 kPa
- **Voltage:** 120 V/1 ph/60 Hz
- **Pressure range**
  10-70 PSI/69-482 kPa

# INCLUDED

**Each set includes:**

- Base on stand
- Pump and motor (one or two)
- Liquid detection probe
- Manometer
- Audible and visual alarm panel
- Magnetic starter with selector (automatic, manual, off)
- Tank, 50 or 100 gallons

# ACCESSORIES

### High Level Alarm

| Model# | Description |
|---|---|
| GMPOF | High level alarm |

### Protective Skirts

| Model# | Description |
|---|---|
| GMPJU | Protective skirts |

# CONDENSAFE™

## AN EXCEPTIONAL INNOVATION IN CONDENSATE NEUTRALIZATION MATERIAL

**RESIDENTIAL**


**COMMERCIAL**

# RESIDENTIAL CONDENSATE NEUTRALIZER

## CondenSAFE / Residential

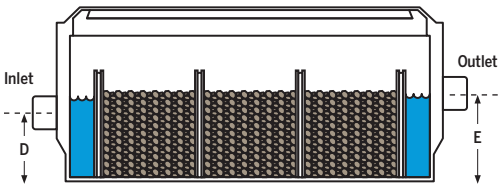
- Easy to replace media
- Allows direct connection - No by-pass necessary
- Safe for the environment
- Only condensate neutralizer tha can be hard piped

| Model# | A | | B | | C | | D | | E | | Inlet Outlet | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | in | cm | in | cm | in | cm | in | cm | in | cm | | lb | kg |
| CS6 | 12 | 30.5 | 4¾ | 12 | 5½ | 14 | 2½ | 6 | 3 | 7.6 | ½" FNPT | 4.18 | 1.9 |
| | **Including:** 1 media bag, 2 connectors ¾" glued female and 2 connectors ½" glued female | | | | | | | | | | | | |
| CS6-A | 12 | 30.5 | 4¾ | 12 | 5½ | 14 | 2½ | 6 | 3 | 7.6 | ½" FNPT | 4.18 | 1.9 |
| | **Including :** 1 media bag, 1 set of wall supports, 2 barbed fittings ¾" and 2 glued fittings ¾" female | | | | | | | | | | | | |


THE ONLY CONDENSATE NEUTRALIZATION UNIT THAT CAN BE CONNECTED TO RIGID PIPING

Engineered Media

THE UNIT IS DIVIDED IN THREE SECTIONS




| TREATMENT CAPACITY | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Section | | | | 2 Sections | | | | 3 Sections | | | | |
| MBH | kWh | gal/h | L/h | MBH | kWh | gal/h | L/h | MBH | kWh | gal/h | L/h | |
| 525 | 154 | 2.1 | 8 | 1050 | 308 | 4.2 | 16 | 1575 | 461 | 6.3 | 24 | |
| MAXIMUM TREATMENT VOLUME* | | | | | | | | | | | | |
| 6,3 GPH (24 LPH) | | | | | | | | | | | | |

*Verify the flow of condensate produced by your device. Generally speaking, a boiler with a capacity of 500.000 BTU/h at 92% efficiency should generate about 1.6 gal/h of condensate.

# OPERATION

The unit is divided into three sections and the engineered media is contained in bags which can be easily replaced as needed. These bags are the first in the industry to carry date labels so that the user knows exactly when it is time to replace one. Use only the sections that you need!

As the unit is divided in three sections, you can place one, two, or three bags in the unit, depending on the volume of condensate that needs to be treated.

# ACCESSORIES

## Hose and Clips Kit

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| CSHK | Hose and clips kit | 1.32 | 0.6 |

## Wall Supports

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| CSB | For wall mounting | 0.44 | 0.2 |


## Media Bags

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| CSM2 | Dated media bags | 1.7 | 0.78 |

# MODULAR COMMERCIAL CONDENSATE NEUTRALIZER

## Conden*SAFE* / Commercial

- The entire volume of condensate crosses the entire thickness of the engineering media
- Treatment optimized by feeding at bottom
- Integrated to prevent overflow
- Stainless steel media support of 53 in² (342 cm²)
- Easy to clean
- Supplied with Calefactio engineered media

| Model# | Capacity | Vol. maximum treatment per hour | | A | | B | | C | | D | | Connection | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | L | gal | in | mm | in | mm | in | mm | in | mm | Inlet | Outlet | lb | kg |
| CSC28 | 3,500 MBH 1,026 KwH | 106 | 28 | 7½ | 190 | 10½ | 267 | 16¼ | 414 | 5½ | 140 | 1" MNPT | 1" FNPT | 18 | 8.18 |

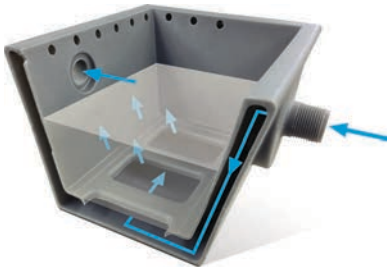


**TO INCREASE TREATMENT CAPACITY**

Conden*SAFE* being modular, it is possible to install up to 3 units in series to obtain a treatment able to reach 10,500 MBH.

## OPERATION

Conden*SAFE* commercial units are designed to optimize the flow mode of the raw condensate. The double wall reactor offers a buffer volume for preneutralization. The preneutralized condensate flows ascending vertically across all the reactive media. A layer of several centimetres of condensate is omnipresent at the surface of the media, thus minimizing direct gaseous exchanges between the ambient air, containing $CO_2$, and the media.



## ACCESSORIES

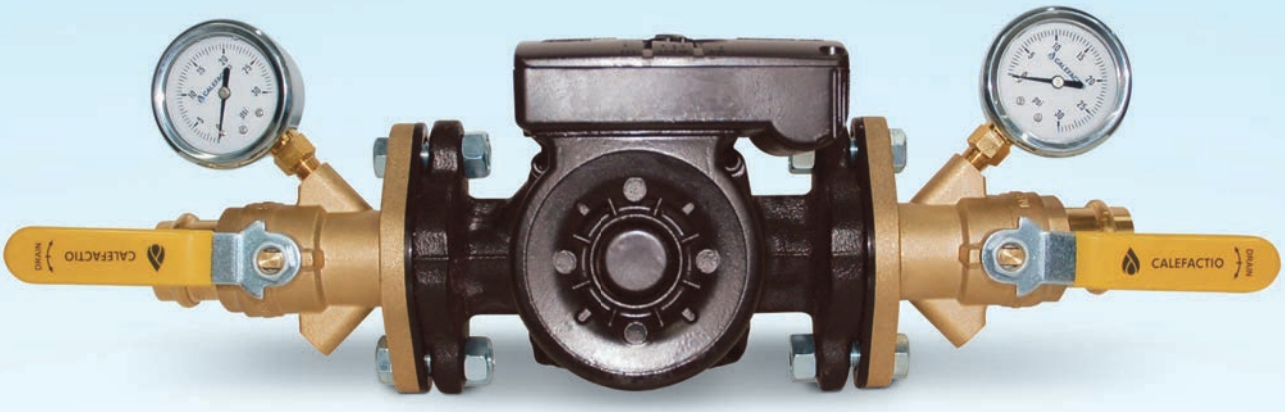

### Engineered Media

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| CSM28 | Suitable for #CSC28 | 10.34 | 4.7 |

### Connection Union

| Model# | Description | Weight | |
|---|---|---|---|
| | | lb | kg |
| CSCUK | For installation in series | 0.22 | 0.1 |

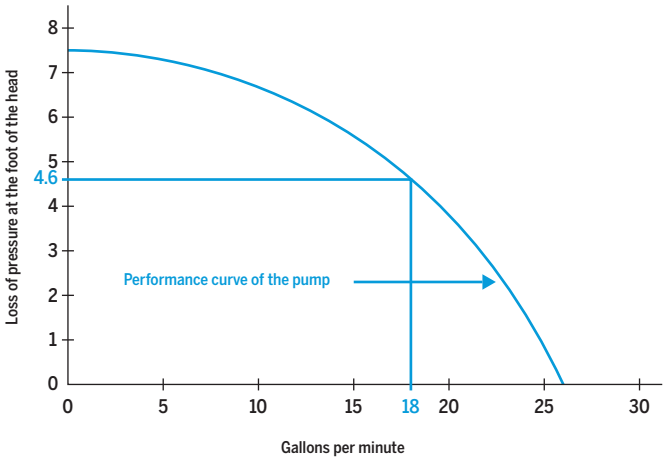
# ΔP PUMP FLANGE




## THE ΔP PUMP FLANGE ALLOWS A QUICK OVERVIEW OF THE SYSTEM

By taking a reading of the pressure gauges on each side of the pump, one obtains the pressure differential in PSI, also known under the name ΔP (Delta P). The pump curves show the ΔP in head loss. In order to convert the gauge reading to feet of head loss, it is necessary to multiply the ΔP by 2.3. A pressure differential of 2 psig multiplied by 2.3 is equivalent to 4.6 feet of static head. On the pump curve, using 4.6 feet of head, one obtains the flow of the pump.

ΔP pump flanges from Calefactio allows not only rapid reading of the state of the system, but also to drain it from the front and rear of the pump and make maintenance easier with integrated drain and ball valves.




## Specifications

- Full port brass ball valve
- Rotating flange
- Gauge ports on each side and drain on one side
- Ball valve isolation for circulating pumps
- Blowout-proof stem, packing gland and O-ring stem seal
- Forged brass body
- 500 CWP (*Cold Working Pressure*)
- Thread conforms to the ANSI B1.20.1 standard

**BENEFITS**

- Saves time and money while reducing the number of joints because of the integrated functions (drain and gage ports,ball valve)
- Allows drainage before or after the pump
- Fits high velocity pumps

# ΔP VALVE (DELTA P) – CLAMP VALVE FOR PUMP

## KIT

**Gauge not included**

### NPT (N)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034N | ¾" | 3.31 | 1.50 |
| PF100N | 1" | 4.17 | 1.90 |
| PF114N | 1¼" | 5.51 | 2.50 |
| PF112N | 1½" | 6.44 | 2.93 |
| PF200N* | 2" | 9.66 | 4.38 |

### Sweat (S)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034S | ¾" | 3.24 | 1.47 |
| PF100S | 1" | 4.06 | 1.85 |
| PF114S | 1¼" | 5.36 | 2.44 |
| PF112S | 1½" | 6.23 | 2.83 |
| PF200S* | 2" | 9.46 | 4.30 |

### Press (P)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034P | ¾" | 3.42 | 1.55 |
| PF100P | 1" | 4.24 | 1.93 |
| PF114P | 1¼" | 5.72 | 2.60 |
| PF112P | 1½" | 6.77 | 3.08 |

### PEX F1960 (F)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034F | ¾" | 3.34 | 1.52 |
| PF100F | 1" | 4.19 | 1.90 |
| PF114F | 1¼" | 5.61 | 2.55 |
| PF112F | 1½" | 6.57 | 2.99 |

* Models without drain only.

## OPTIONS

### Pressure gauge ⅛" MNPT

| Model# | PSI | Weight | |
|---|---|---|---|
| | | lb | kg |
| GAGE0-30BOTTOM | 0-30 | 0.22 | 0.1 |
| GAGE0-100BOTTOM | 0-100 | 0.22 | 0.1 |

## UNIT

**Gauge not included**

### With Drain

#### NPT (N-D)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034N-D | ¾" | 1.69 | 0.77 |
| PF100N-D | 1" | 2.13 | 0.97 |
| PF114N-D | 1¼" | 2.81 | 1.28 |
| PF112N-D | 1½" | 3.27 | 1.49 |

#### Sweat (S-D)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034S-D | ¾" | 1.66 | 0.76 |
| PF100S-D | 1" | 2.07 | 0.94 |
| PF114S-D | 1¼" | 2.73 | 1.24 |
| PF112S-D | 1½" | 3.16 | 1.44 |

#### Press (P-D)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034P-D | ¾" | 1.75 | 0.80 |
| PF100P-D | 1" | 2.16 | 0.98 |
| PF114P-D | 1¼" | 2.91 | 1.32 |
| PF112P-D | 1½" | 3.44 | 1.56 |

#### PEX F1960 (F-D)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034F-D | ¾" | 1.71 | 0.78 |
| PF100F-D | 1" | 2.13 | 0.97 |
| PF114F-D | 1¼" | 2.86 | 1.30 |
| PF112F-D | 1½" | 3.33 | 1.52 |

### Without Drain

#### NPT (N-ND)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034N-ND | ¾" | 1.61 | 0.73 |
| PF100N-ND | 1" | 2.05 | 0.93 |
| PF114N-ND | 1¼" | 2.70 | 1.23 |
| PF112N-ND | 1½" | 3.17 | 1.44 |
| PF200N-ND | 2" | 4.83 | 2.19 |

#### Sweat (S-ND)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034S-ND | ¾" | 1.57 | 0.72 |
| PF100S-ND | 1" | 1.99 | 0.90 |
| PF114S-ND | 1¼" | 2.63 | 1.19 |
| PF112S-ND | 1½" | 3.06 | 1.39 |
| PF200S-ND | 2" | 4.73 | 2.15 |

#### Press (P-ND)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034P-ND | ¾" | 1.66 | 0.76 |
| PF100P-ND | 1" | 2.08 | 0.95 |
| PF114P-ND | 1¼" | 2.81 | 1.28 |
| PF112P-ND | 1½" | 3.34 | 1.52 |

#### PEX F1960 (F-ND)

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| PF034F-ND | ¾" | 1.62 | 0.74 |
| PF100F-ND | 1" | 2.05 | 0.93 |
| PF114F-ND | 1¼" | 2.75 | 1.25 |
| PF112F-ND | 1½" | 3.23 | 1.47 |

## INCLUDED

**Each valve comes with the following elements**

- 1 gasket
- 2 nuts and 2 bolts
- 2 plugs ⅛" (installed)

# BALL VALVES

## RANGE OF 35 BALL VALVES IN BRASS FOR NPT, PRESS, SWEAT, PEX F1960 CONNECTIONS AND EVEN FOR SYSTEMS USING GAS.

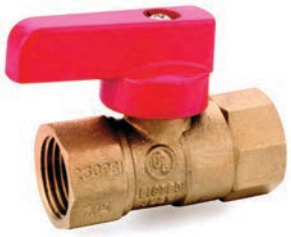
NPT

SWEAT

PRESS

PEX F1960

GAS



# MODELS

## NPT

- Full port, brass ball valve with NPT threaded connections
- Blowout-proof stem and packing gland stem seal
- Thread conforms to the ANSI B1.20.1 standard
- Forged brass body
- 2-piece
- Lead free

| Model# | Size | PSI | Weight | |
|---|---|---|---|---|
| | | | lb | kg |
| 11001 | ¼" | 600 PSI without shock WOG | 0.26 | 0.12 |
| 11002 | ⅜" | | 0.26 | 0.12 |
| 11003 | ½" | | 0.37 | 0.17 |
| 11004 | ¾" | | 0.55 | 0.25 |
| 11005 | 1" | | 0.87 | 0.40 |
| 11006 | 1¼" | | 1.40 | 0.63 |
| 11007 | 1½" | | 1.92 | 0.87 |
| 11008 | 2" | | 3.49 | 1.58 |
| 11009 | 2½" | 400 PSI without shock WOG | 7.61 | 3.46 |
| 11010 | 3" | | 7.56 | 3.44 |
| 11011 | 4" | | 16.6 | 7.54 |

AB1953 • NSF14 • NSF6 • NSF372

## SWEAT

- Full Port, brass ball valve with solder end connections
- Blowout-proof stem and packing gland stem seal
- Welded connections conform to the ANSI B16.18 standard
- Forged brass body
- 2-piece
- Lead free

| Model# | Size | PSI | Weight | |
|---|---|---|---|---|
| | | | lb | kg |
| 11012 | ½" | 600 PSI without shock WOG | 0.31 | 0.14 |
| 11013 | ¾" | | 0.52 | 0.24 |
| 11014 | 1" | | 0.82 | 0.37 |
| 11015 | 1¼" | | 1.32 | 0.60 |
| 11016 | 1½" | | 1.85 | 0.84 |
| 11017 | 2" | | 3.39 | 1.54 |
| 11018 | 2½" | 400 PSI without shock WOG | 7.14 | 3.25 |
| 11019 | 3" | | 10.2 | 4.64 |
| 11020 | 4" | | 17.1 | 7.78 |

AB1953 • NSF14 • NSF6 • NSF372

## PRESS

- Full port, brass ball valve with press connections
- Blowout-proof stem and packing gland stem seal
- Forged brass body
- 2-piece
- Lead free
- Leak before pressure system (LBP – *Leak Before Press*)
- Sealing system specially designed to identify water leaks immediately when bad connection

| Model# | Size | PSI | Weight | |
|---|---|---|---|---|
| | | | lb | kg |
| 11028 | ½" | 250 PSI without shock WOG | 0.50 | 0.23 |
| 11029 | ¾" | | 0.76 | 0.35 |
| 11030 | 1" | | 1.21 | 0.55 |
| 11031 | 1¼" | | 1.68 | 0.76 |
| 11032 | 1½" | | 2.41 | 1.10 |
| 11033 | 2" | | 3.87 | 1.76 |
| 11034 | 2½" | | 7.15 | 3.25 |
| 11035 | 3" | | 9.59 | 4.36 |
| 11036 | 4" | | 17.2 | 7.82 |

AB1953 • NSF14 • NSF6 • NSF372

## PEX F1960

- Full port, brass ball valve with PEX F1960 connections
- Blowout-proof stem and packing gland stem seal
- PEX connections conform to the ASTM F1960 standard
- Forged brass body
- 2-piece
- Lead free

| Model# | Size | PSI | Weight | |
|---|---|---|---|---|
| | | | lb | kg |
| 11021 | ½" | 400 PSI without shock WOG | 0.28 | 0.13 |
| 11022 | ¾" | | 0.41 | 0.19 |
| 11023 | 1" | | 0.76 | 0.35 |

AB1953 • NSF14 • NSF6 • CRN

## GAS

- Full port, brass ball valve with NPT connections
- Blowout-proof stem and packing gland stem seal
- Thread conforms to the ANSI B1.20.1 standard
- Forged brass body
- 2-piece

| Model# | Size | Weight | |
|---|---|---|---|
| | | lb | kg |
| 15001 | ½" | 0.34 | 0.16 |
| 15002 | ¾" | 0.55 | 0.25 |
| 15003 | 1" | 0.84 | 0.38 |

# FLOW REGULATORS

## DISCOVER OUR COMPLETE RANGE OF FLOW REGULATORS CONFORMING TO THE NSF61 STANDARD.

# FLOW REGULATORS

Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

## Fixed Regulators

- Also available in SS316
- Made in lead free brass
- Available in five formats and more than 30 flow rates
- Certified by CSA for NSF/ANSI 61 & NSF/ANSI 372 LLC standards, the certification for potable water

| Model# | Connection | Height | GPM | Gallons per minute (GPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0.13 | 0.19 | 0.25 | 0.35 | 0.50 | 0.75 | 1.00 | 1.30 | 1.50 | 1.75 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 6.00 | 6.50 | 7.00 | 8.00 | 9.00 | 10.0 | 12.0 | 13.0 | 13.5 | 15.0 | 18.0 | 20.0 | 24.0 | 25.0 | 26.0 | 30.0 | |
| A | ⅜" FNPT | 1¾" | 0.13 to 4 | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | | | | | | | | | | | | | | | | | | | 3.00 oz |
| B | ½" FNPT | 2" | 0.25 to 9 | | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | | | | | | | | | | | | | 3,60 oz |
| C | ¾" FNPT | 2¼" | 0.25 to 30 | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 6.00 oz |
| X | 1" FNPT | 2¾" | 2.5 to 30 | | | | | | | • | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 10.8 oz |
| Z | 1½" FNPT | 2¾" | 5 to 30 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 22.6 oz |
| SSA | ⅜" FNPT | 1¾" | 0.13 to 4 | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | | | | | | | | | | | | | | | | | | | | 2.90 oz |
| SSB | ½" FNPT | 2" | 0.25 to 9 | | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | | | | | | | | | | | | | 3.30 oz |
| SSC | ¾" FNPT | 2¼" | 0.25 to 30 | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 5.50 oz |
| SSX | 1" FNPT | 2¾" | 2.5 to 30 | | | | | | | • | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 9.00 oz |
| SSZ | 1" FNPT | 2¾" | 5.0 to 30 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 21.0 oz |

Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

## Union Regulators

- Also available in SS316
- Made in lead free brass
- Available in four formats and more than 30 flow rates
- Certified by CSA for NSF/ANSI 61 & NSF/ANSI 372 LLC standards, the certification for potable water

| Model# | Connection | Height | GPM | Gallons per minute (GPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0.13 | 0.19 | 0.25 | 0.35 | 0.50 | 0.75 | 1.00 | 1.30 | 1.50 | 1.75 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 6.00 | 6.50 | 7.00 | 8.00 | 9.00 | 10.0 | 12.0 | 13.0 | 13.5 | 15.0 | 18.0 | 20.0 | 24.0 | 25.0 | 26.0 | 30.0 | |
| AU | ⅜" FNPT | 1⅞" | 0.13 to 4 | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | | | | | | | | | | | | | | | | | | | 0.02 oz |
| BU | ½" FNPT | 2⅛" | 0.25 to 9 | | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | | | | | | | | | | | | | 4.00 oz |
| CU | ¾" FNPT | 2¼" | 0.25 to 30 | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 6.40 oz |
| XU | 1" FNPT | 2¾" | 2.5 to 30 | | | | | | | • | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 12.8 oz |
| SSAU | ⅜" FNPT | 1⅞" | 0.13 to 4 | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | | | | | | | | | | | | | | | | | | | | 0.02 oz |
| SSBU | ½" FNPT | 2⅛" | 0.25 to 9 | | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | | | | | | | | | | | | | 4.00 oz |
| SSCU | ¾" FNPT | 2¼" | 0.25 to 30 | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 6.40 oz |
| SSXU | 1" FNPT | 2¾" | 2.5 to 30 | | | | | | | • | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 12.8 oz |

**Custom requests are welcome (OEM)**

Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

## Industrial Regulators

- Made in lead free brass
- Available in five formats and more than 30 flow rates
- Certified by CSA for NSF/ANSI 61 & NSF/ANSI 372 LLC standards, the certification for potable water

| Model# | Connection | Height | GPM | Gallons per minute (GPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 5.00 | 6.00 | 6.50 | 7.00 | 8.00 | 9.00 | 10.0 | 12.0 | 13.0 | 13.5 | 15.0 | 18.0 | 20.0 | 24.0 | 25.0 | 26.0 | 30.0 | 35.0 | 40.0 | 45.0 | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 80.0 | 85.0 | 90.0 | 95.0 | 100 | 105 | 110 | 115 | 120 | |
| P | 1¼"×1¼" MNPT | 3" | 5 to 30 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | 10 oz |
| T | 1½"×1½" MNPT | 3" | 5 to 30 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | 13 oz |
| F | 2"×2" MNPT | 3" | 10 to 30 | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | 19 oz |
| H | 2½"×2½" MNPT | 4" | 30 to 90 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | 32 oz |
| K | 3"×3" MNPT | 4" | 30 to 120 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 51 oz |

## Specialized Regulators – for Irrigation

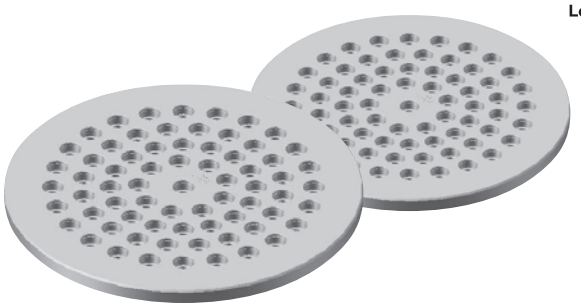
| Model# | Connection | Height | GPM | Gallons per minute (GPM) | | | | | | | | | | | | | | | | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0.50 | 0.75 | 1.00 | 1.30 | 1.50 | 1.75 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 6.00 | 6.50 | 7.00 | 8.00 | 9.00 | 10.0 | |
| Y | ¾" MNPT × ¾" FNPT | 1½" | 1 to 10 | | | • | | • | | • | • | • | • | • | | • | • | | • | • | • | • | 4.5 oz |

## WAFER TYPE FLOW REGULATORS

Lead free

Wafer type flow regulators from Calefactio are available in five sizes and cover a large range of flows, from 60 to 2,100 gallons per minute.

| Model# | Diameter | Total diameter | GPM |
|---|---|---|---|
| WF4 | 4" | 6" | 60 to 240 |
| WF6 | 6" | 7⅛" | 100 to 540 |
| WF8 | 8" | 10⅛" | 200 to 960 |
| WF10 | 10" | 12½" | 300 to 1,500 |
| WF12 | 12" | 15¼" | 400 to 2100 |



Custom requests are welcome (OEM)

# NOTES


Quebec (Canada)

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