



IMPROVE
WHAT'S BEST

2021
Product
Catalog



RESIDENTIAL ♦ COMMERCIAL



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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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



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 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%), heating solar and cooling installations.

RESISTANT COATING The finish, obtained by an electrostatic painting process, gives the tanks 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 in-line or on base. These tanks are formed from a steel shell 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 (in-line)

Model#	Volume		Connect.	Dimension				Weight	
				A		B			
	gal	L		in	mm	in	mm	lb	kg
HGT15	2.1	8	½"	7.9	200	13.7	348	5	2
HGT30	4.8	18	½"	10.6	270	16.3	415	9	4
HGT60M	6	23	½"	10.6	270	18.9	480	9.25	4.2
HGT60	8	30	½"	13.8	350	17.9	455	14	6
HGT90	13	50	1"	14.9	380	23.0	585	23	10



HGTV

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

Model#	Volume		Connect.	Dimension				Weight	
				A		B			
	gal	L		in	mm	in	mm	lb	kg
HGTV30	13	50	1"	14.9	380	25.3	645	25	12
HGTV40	21	80	1"	17.7	450	26.7	680	29	13
HGTV60	26	100	1"	17.7	450	30.1	765	35	16
HGTV90	40	150	1¼"	19.7	500	41.1	1045	49	22
HGTV110	57	215	1¼"	19.7	500	52.1	1325	77	35
HGTV150	74	280	1¼"	19.7	500	63.1	1605	102	46



ACCESSORIES



WALL BRACKET

Model# for HGT15	Weight	
	lb	kg
BRACKET200MM	0.66	0.3

Model# for HGT30 and HGT60M	Weight	
	lb	kg
BRACKET270MM	0.66	0.3

HIGH TEMPERATURE

HTS

PATENT PENDING

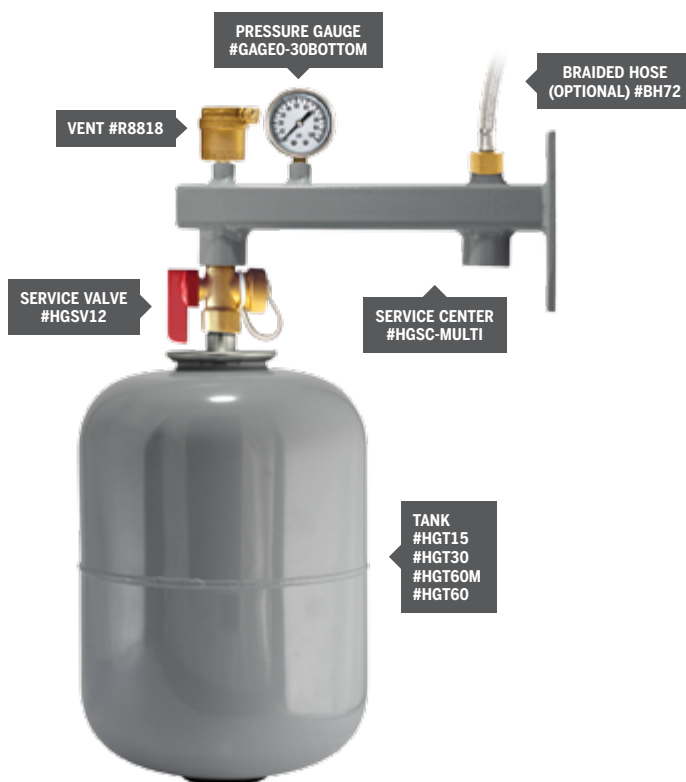
- ▶ Compatible with glycol
- ▶ EPDM bladder
- ▶ Epoxy coating
- ▶ Welded steel shell
- ▶ Temperature max: 315°F and up*
- ▶ Precharge: 25 PSI
- ▶ Max. operation pressure: 150 PSI

Model#	Volume		Conn.	Weight	
	gal	L		lb	kg
HTS30	6.6	25	½"	12	5.4



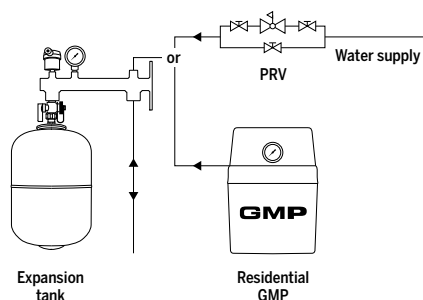
SERVICE KIT FOR HEATING SYSTEM

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



Model#	Content	Weight	
		lb	kg
SERVICEKIT15	+ HGT15 + HGSC-MULTI + R8818 + HGSV12 + GAUGE0-30BOTTOM	10	4.55
SERVICEKIT30	+ HGT30 + HGSC-MULTI + R8818 + HGSV12 + GAUGE0-30BOTTOM	12	5.45
SERVICEKIT60M	+ HGT60M + HGSC-MULTI + R8818 + HGSV12 + GAUGE0-30BOTTOM	15	6.82
SERVICEKIT60	+ HGT60 + HGSC-MULTI + R8818 + HGSV12 + GAUGE0-30BOTTOM	16	7.27

Installation Schematic



Optional



CONNECTION HOSE

Model#	Description	Weight	
		lb	kg
BH72	Braided hose 72" 1/2" FNPT x 1/2" MNPT	1.32	0.6

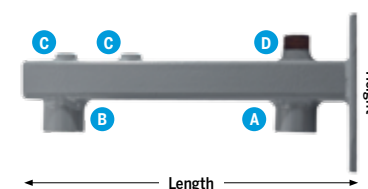
INCLUDED

Suitable for tank
HGT15, HGT30,
HGT60M
and HGT60



SERVICE CENTER

Steel frame



Model#	HGSC-MULTI			
A	B	C	D	
1/2" FNPT	1/2" FNPT	1/8" FNPT	1/2" MNPT	
Length	Height	Width	Weight	
			lb	kg
10 3/4"	4 1/2"	2 3/8"	2.8	1.27



AUTOMATIC VENT

Model#	Description	Weight	
		lb	kg
R8818	1/8" MNPT	0.24	0.11



SERVICE VALVE

Model#	Description	Weight	
		lb	kg
HGSV12	1/2" FNPT	0.66	0.3



1/8" MNPT PRESSURE GAUGE

Model#	Description	Weight	
		lb	kg
GAUGE0-30BOTTOM	0-30 PSI	0.22	0.1
GAUGE0-100BOTTOM	0-100 PSI	0.22	0.1

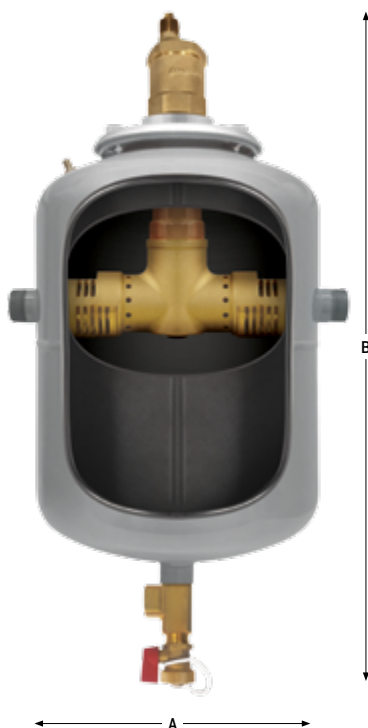


UNIQUE AND EXCLUSIVE TO CALEFACTIO

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

The only device which combines an expansion tank, an air separator and a dirt separator.

- ▶ 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 pressurez	Conn. MNPT	Dimension				Weight	
							A		B			
	gal	L	gal	L			PSI	in	mm	in	mm	lb
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



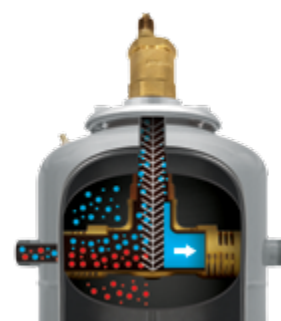
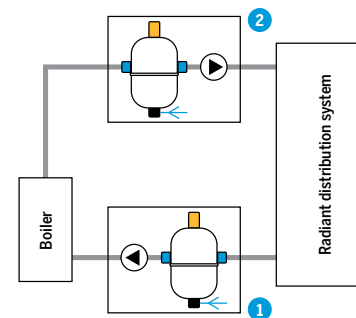
Wall support

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
- ▶ 0.4 to 74 gallons

HGTE1

- ▶ For tankless water heaters of less than 2 gallons
- ▶ For application without recirculation

Model#	Volume		Connect.	Dimension				Weight	
	gal	L		A		B		lb	kg
HGTE1	0.4	0.16	½"	3.25	80	4.5	112	0.5	0.2

HGTE

- ▶ Fixed bladder expansion tank
- ▶ MNPT Top connection (stainless steel)

Model#	Volume		Connect.	Dimension				Weight	
	gal	L		A		B		lb	kg
HGTE5	2.1	8	¾"	7.9	200	13.7	348	5	2
HGTE8	3.2	12	¾"	10.6	270	12.8	325	9	4
HGTE12	4.7	18	¾"	10.6	270	16.7	425	11	5
HGTE25	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		Connect.	Dimension				Weight	
	gal	L		A		B		lb	kg
HGTEV30	14	53	¾"	14.9	380	26.4	670	26	12
HGTEV42	20	75.8	¾"	17.7	450	27.8	750	31	14
HGTEV60	30	114	1¼"	17.7	450	31.8	808	37	17
HGTEV80	44	167	1¼"	19.7	500	42.0	1065	52	23
HGTEV180	57	215	1¼"	19.7	500	52.4	1330	75	34
HGTEV200	74	280	1¼"	19.7	500	63.4	1610	103	47

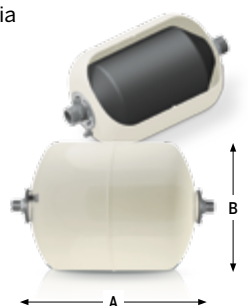
FTTE – Flow Through

- ▶ Limits the risk of system contamination by legionella bacteria
- ▶ Avoids water stagnation

Model#	Volume		Connect.	Dimension				Weight	
	gal	L		A		B		lb	kg
FTTE5	2.1	8	¾"	14.3	365	7.9	200	6.3	2.9
FTTE8	3.2	12	¾"	14.3	365	10.6	270	7.6	3.5
FTTE12	4.7	18	¾"	17.5	445	10.6	270	9.3	4.2
FTTE25	8	30	¾"	17.5	445	13.8	350	11.5	5.2



NEW



ACCESSORIES



WALL SUPPORT

Model# for HGTE5/FTTE5	Weight	
	lb	kg
BRACKET200MM	0.66	0.3

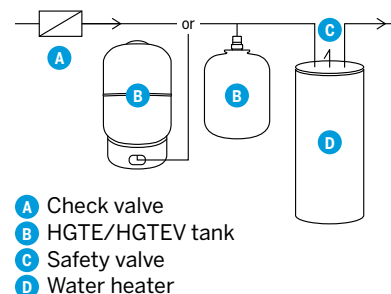
Model# for HGTE8/HGTE12/FTTE8/FTTE12	Weight	
	lb	kg
BRACKET270MM	0.66	0.3



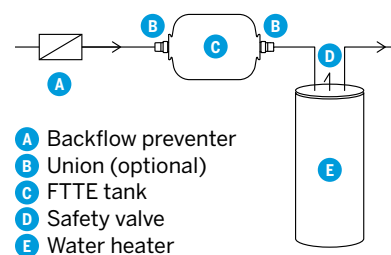
GAUGE TO TEST MAXIMUM PRESSURE

Model#	Description	Weight	
		lb	kg
WPG-C	GHT ¾", 0-200 psi	0.2	0.1

Installation Schematic For HGTE/HGTEV



Installation Schematic For FTTE



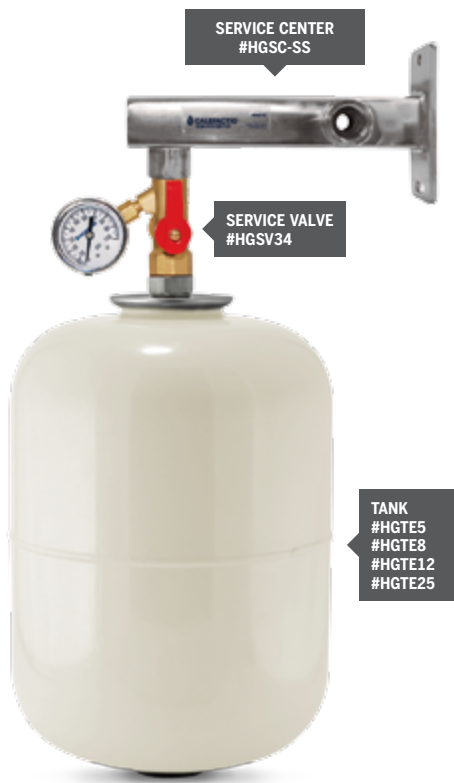
SERVICE KIT FOR POTABLE WATER SYSTEM

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

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 to or greater than that of the municipal network and to adjust it for proper functioning if necessary.



Model#	Content	Weight	
		lb	kg
SERVICEKIT5	+ HGTE5 + HGSC-SS + HGSV34	8.7	3.95
SERVICEKIT8	+ HGTE8 + HGSC-SS + HGSV34	12.7	5.77
SERVICEKIT12	+ HGTE12 + HGSC-SS + HGSV34	14.7	6.68
SERVICEKIT25	+ HGTE25 + HGSC-SS + HGSV34	17.7	8.05

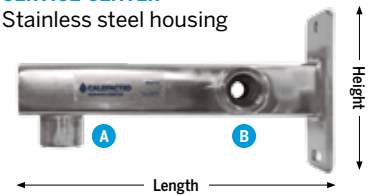
INCLUDED

Suitable for tanks
HGTE5, HGTE8,
HGTE12 and
HGTE25



SERVICE CENTER

Stainless steel housing



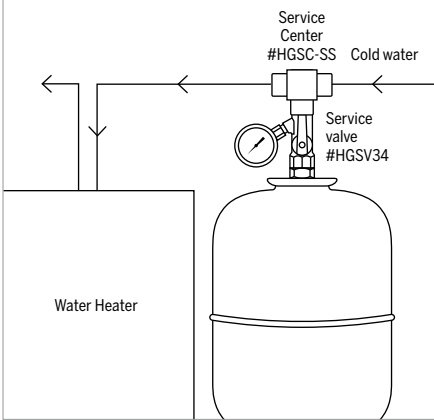
Model#	HGSC-SS			
A		B		
¾" FNPT		¾" FNPT		
Length	Height	Width	Weight	
			lb	kg
9¼"	4¾"	2⅜"	2.6	1.18



SERVICE VALVE WITH DRAIN

Model#	Description	Weight	
		lb	kg
HGSV34	3/4" MNPT x 3/4" FNPT	1.1	0.5

Installation Schematic



ACCESSORIES FOR EXPANSION TANKS / HEATING

WALL SUPPORT

Model# for HGT15	Weight	
	lb	kg
BRACKET200MM	0.66	0.3

Model# for HGT30/HGT60M/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



½" MNPT PRESSURE GAUGE

Model#	Description	Weight	
		lb	kg
GAUGE0-30BOTTOM	0-30 PSI	0.22	0.1
GAUGE0-100BOTTOM	0-100 PSI	0.22	0.1



AUTOMATIC VENT

Model#	Description	Weight	
		lb	kg
R8818	½" MNPT	0.24	0.11



CONNECTION HOSE

Model#	Description	Weight	
		lb	kg
BH72	Braided hose 72" ½" FNPT × ½" MNPT	1.32	0.6



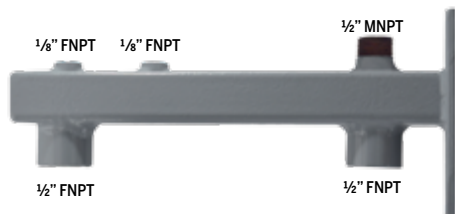
HEATING SYSTEM SERVICE CENTER

► Steel frame

Model#	Length	Height	Width	Weight	
				lb	kg
HGSC-MULTI	10¾"	4½"	2¾"	2.8	1.27

Compatible with

HGT15
HGT30
HGT60M
HGT60



ACCESSORIES FOR EXPANSION TANKS / POTABLE

WALL SUPPORT

Model# for HGTE5/FTTE5	Weight	
	lb	kg
BRACKET200MM	0.66	0.3

Model# for HGTE8/HGTE12/FTTE8/FTTE12	Weight	
	lb	kg
BRACKET270MM	0.66	0.3



SERVICE VALVE WITH DRAIN

Model#	Description	Weight	
		lb	kg
#HGSV34	¾" MNPT × ¾" FNPT system ¼" gauge	1.1	0.5

Compatible with

HGTE5	FTTE5
HGTE8	FTTE8
HGTE12	FTTE12
HGTE25	FTTE25



GAUGE TO TEST MAXIMUM PRESSURE

Model#	Description	Weight	
		lb	kg
WPG-C	GHT ¾", 0-200 psi	0.2	0.1



POTABLE WATER SERVICE CENTER

► Stainless steel housing

Model#	Length	Height	Width	Weight	
				lb	kg
HGSC-SS	9¾"	4¾"	2¾"	2.6	1.18

Compatible with

HGTE5
HGTE8
HGTE12
HGTE25





VENTS, AIR, DIRT AND HYDRAULIC SEPARATORS

CALVENT
Automatic Air Vent



CAL-X-TRACT
Air Separators



CALMAN
Heating Distribution
Manifold



CALBALANCE
Hydraulic
Separators



VENTS / MAGNET / AIR VALVES

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 1034 kPa	250°F 121°C	¾" NPT	½" NPT	5.5	2.5



Magnet

This magnet captures ferrous and non-ferrous particles thanks to its magnetic field. Non-ferrous particles are captured due to the cross contamination occurred when particles are charged with the velocity rate of the stream.

Iron particles contaminate non-ferrous particles by attracting them to the statically charged surface. Another form of cross contamination occurs when iron particles strike non-ferrous particles, creating a static charge transmission on the non-ferrous particles.

When cleaning simply open the valve and drain, wipe the magnet removing all particle residues and reinstall.



Model#	Connection	Weight	
		lb	kg
MAGNET7075	¾"	0.8	0.4

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	½" MNPT	Room ventilation	1.1/50 units	0.5/50 units
HG10	½" 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	½" MNPT	Kit for key valve and tube kit 20"	0.22	0.10
HG14A	½" MNPT	Kit for room valve and tube 20"	0.22	0.10



AUTOMATIC AIR VENT

CALVENT

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
- ▶ Vent pipe connection 1/2" MNPT

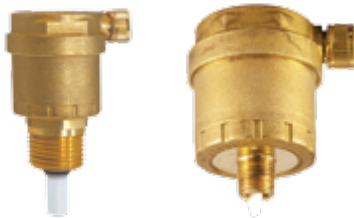
Model#	Connection	Maximum operation pressure	Temp. range		A		B		Weight	
			°C	°F	in	mm	in	mm	lb	kg
CV050	1/2" FNPT x 3/4" MNPT	150 PSI	0-121	32-250	2 1/4	56	5 1/3	136	1.6	0.73



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	1/8" MNPT	150 PSI	1 3/4"	2"	0.24	0.11
R8814	1/4" MNPT	150 PSI	1 3/4"	2"	0.25	0.11
R8812	1/2" MNPT	150 PSI	1 3/4"	2 1/4"	0.22	0.10



CAL-X-TRACT®

OPERATION

By the entrainment 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.

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

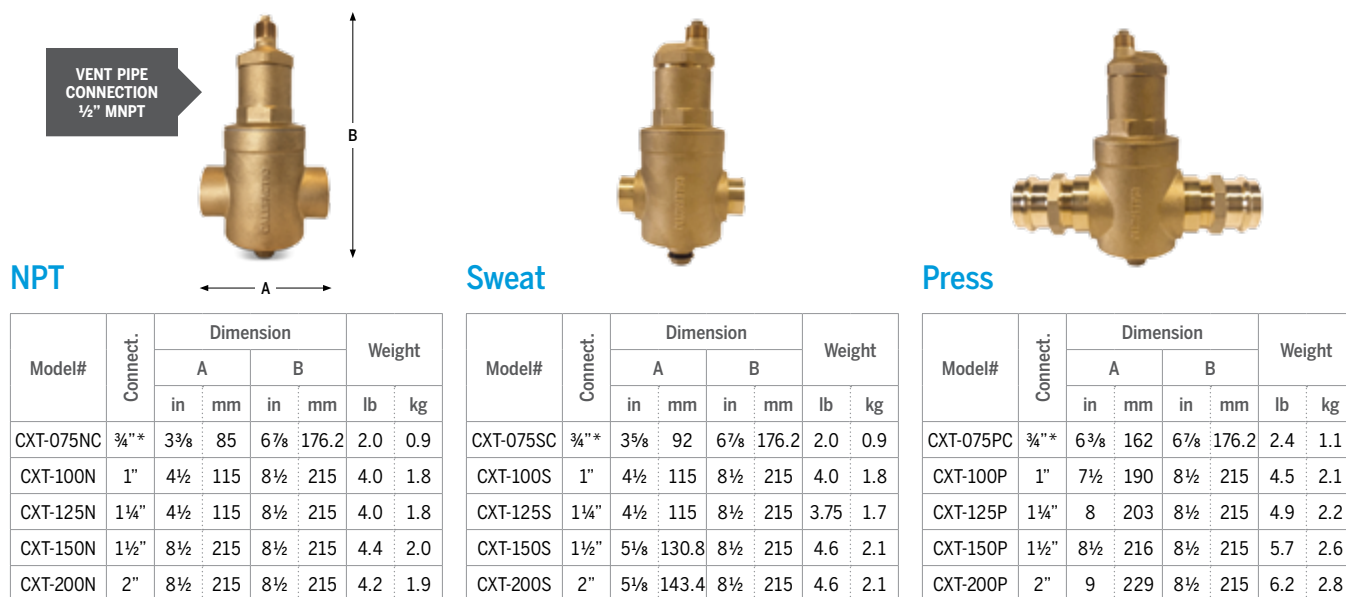
Advantages

- ▶ 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

CAL-X-TRACT / AIR SEPARATORS

Calcraft's Cal-X-Tract air separators are designed with an oversize housing for high efficiency, equipped with an internal stainless-steel brush that functions as a coalescing media and a Calvent auto-float vent. Their function is to remove air from hydronic heating systems, allowing for better energy efficiency and reducing the frequency of sometimes expensive maintenance. Their robust design helps maintain their efficiency throughout the life of the system.

- ▶ Equipped with the automatic Calvent vent
- ▶ Anti-clogging vent (the head is designed to stay dry and clean, reducing the risk of clogging)
- ▶ ½" NPT service port installed at the bottom of the device
- ▶ Vent pipe connection



HEATING DISTRIBUTION MANIFOLD

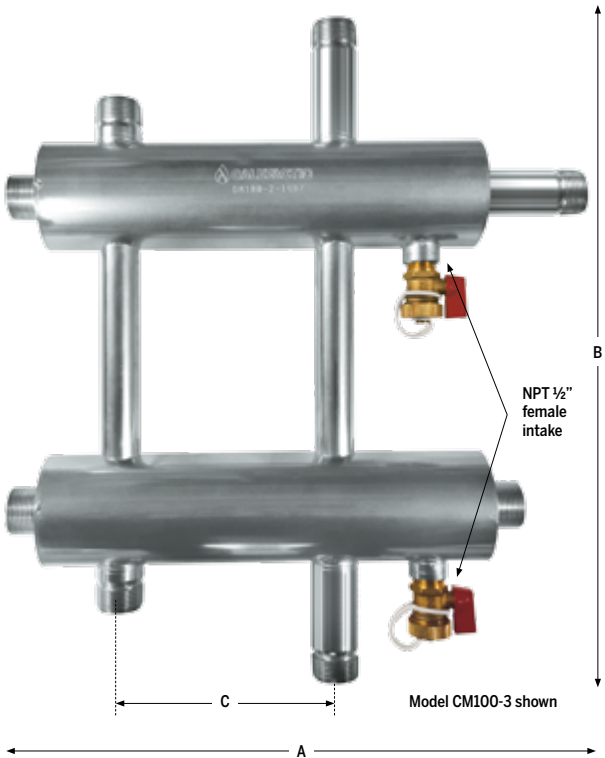
CALMAN

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.

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#	Conn.	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



ACCESSORIES

Drain Valve

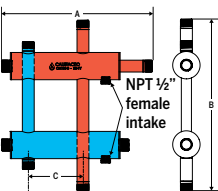
Model#	Description	Weight	
		lb	kg
DV12	½" Connection	0.2	0.1



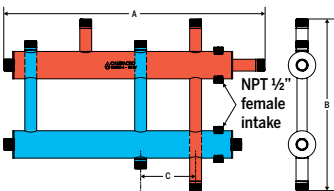
Technical specifications

- ▶ Maximum temperature: 100°C (212°F)
- ▶ Maximum design pressure: 150 PSI
- ▶ Steel frame
- ▶ Drain valve included
- ▶ Zone connections: 1 in

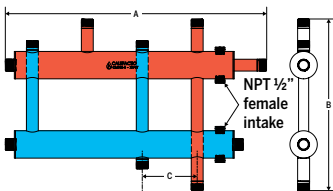
MODELS



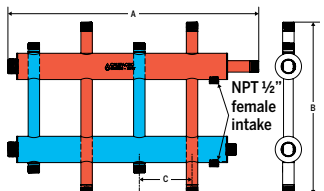
CM100-3



CM100-4



CM125-4



CM125-5

*Sold together or individually.

HYDRAULIC SEPARATORS

CALBALANCE NPT

Technical Specifications

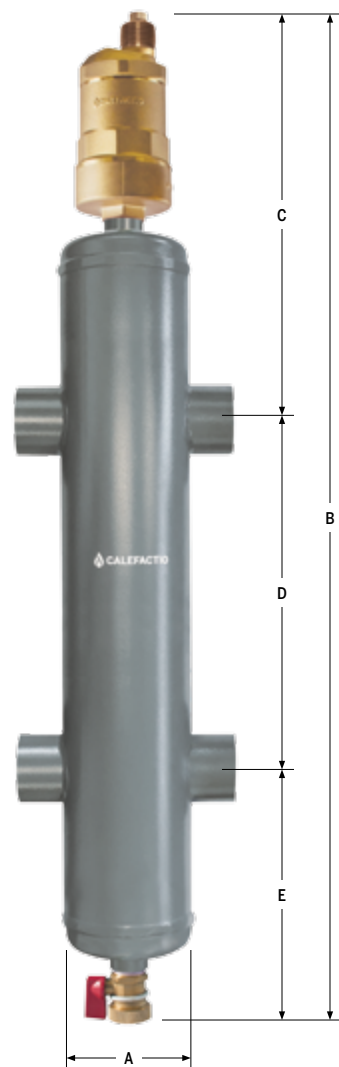
- ▶ Equipped with a Calvent automatic air vent (#CV050)
- ▶ Separates air
- ▶ Offered with drain valve (#DV34)
- ▶ Housing in carbonized steel
- ▶ Wall support included
- ▶ Maximum operating pressure: 150 PSI
- ▶ Maximum operating temperature with isolation: 100°C (212°F)
- ▶ Maximum operating temperature without isolation: 132°C (270°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

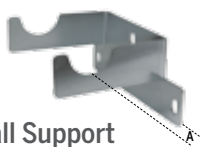
Calbalance NPT

Model#	Conn. FNPT	Flow		Dimension										Weight approx.	
				A		B		C		D		E			
	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	8¾	220	6¾	172	8.4	3.8
CB125	1¼	18	4	3½	89	28	710	11¼	282	9½	240	7¾	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	11¾	300	8¾	213	19.8	8.9



ACCESSORIES

Included



Wall Support

Compatible with	A*		Weight	
	in	mm	lb	kg
CB100	2¾	73	0.6	0.3
CB125	3¾	86	0.8	0.4
CB150	3¾	98	1.0	0.5
CB200	4¾	111	1.8	0.8

Included



Drain Valve

Model#	Conn.	Weight	
		lb	kg
DV34	¾"	0.2	0.1

Optional

Available with preformed polyurethane insulation to minimize heat loss.

Preformed Insulation

Model#	Compatible with	Weight	
		lb	kg
CB100-FOAM	CB100	0.44	0.2
CB125-FOAM	CB125	0.44	0.2
CB150-FOAM	CB150	0.66	0.3
CB200-FOAM	CB200	0.66	0.3

Optional



Magnet

Model#	Conn.	Weight	
		lb	kg
MAGNET7075	¾"	0.8	0.4

HYDRAULIC SEPARATORS

CALBALANCE NPT 2 ZONES

NEW

Technical Specifications

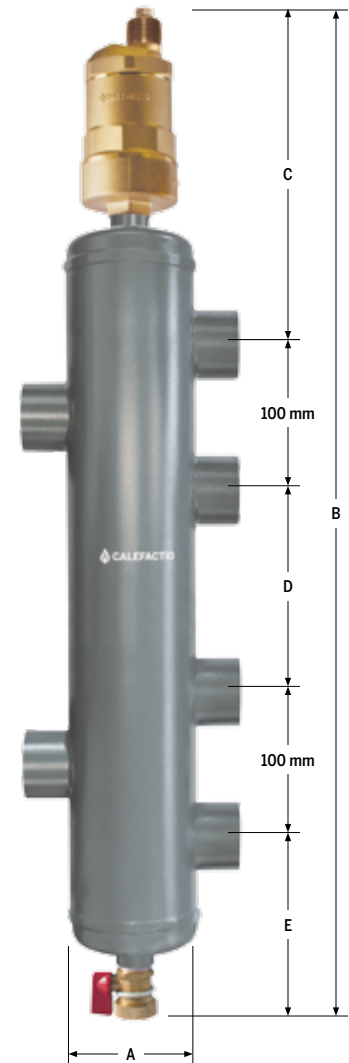
- ▶ Equipped with a Calvent automatic air vent (#CV050)
- ▶ Separate air
- ▶ Offered with drain valve (#DV34)
- ▶ Housing in carbonized steel
- ▶ Wall support included
- ▶ Maximum operating pressure: 150 PSI
- ▶ Maximum operating temperature with isolation: 100°C (212°F)
- ▶ Maximum operating temperature without isolation: 132°C (270°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

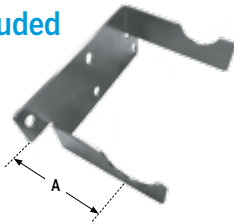
Calbalance NPT/2 zones

Model#	Conn. FNPT	Flow		Dimension										Weight approx.	
				A		B		C		D		E			
	in	GPM	m³/h	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
CB1002Z	1	11	2.5	3	76	25¼	653	8½	206	4¾	120	5	127	8.8	4
CB1252Z	1½	18	4	3½	89	27½	698	8½	218	5½	140	5½	140	11.2	5.1



ACCESSORIES

Included



Wall Support

Compatible with	A*		Weight	
	in	mm	lb	kg
CB1002Z	2¾	73	0.6	0.3
CB1252Z	3¾	86	0.8	0.4

Included



Drain Valve

Model#	Description	Weight	
		lb	kg
DV34	¾" Connection	0.2	0.1

Optional



Magnet

Model#	Description	Weight	
		lb	kg
MAGNET7075	¾" Connection	0.8	0.4

*Distance to the centre of the wall.

HYDRAULIC SEPARATORS

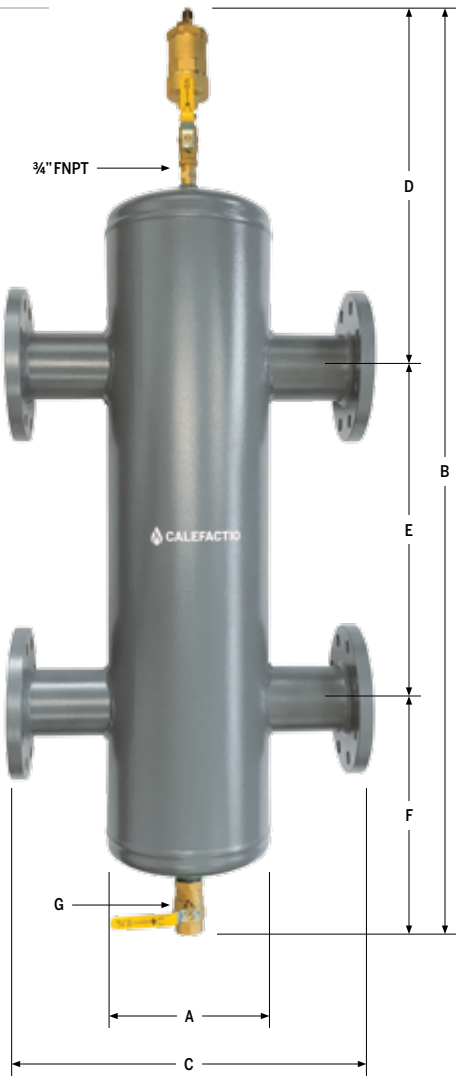
CALBALANCE WITH FLANGE

Technical Specifications

- ▶ Equipped with a Calvent automatic air vent (#CV050)
- ▶ Separate air with baffles
- ▶ Housing in carbonized steel
- ▶ Adapted fluids: water and 50% glycol solution
- ▶ Models with connections of 6 in or greater supplied on stand
- ▶ Supplied with a drain valve
- ▶ Maximum operating pressure: 10 bar/150 PSI
- ▶ Operating temperature: 0-132°C/32-270°F

Benefits

- ▶ Simple to install
- ▶ Easy to maintain
- ▶ 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 bride
NONE-ASME Models

Model#	Connect.	Flow		Dimension												Weight approx.		
				A		B		C		D		E		F				G
	in	GPM	m³/h	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	lb	kg
CB250F	2½	88	20	6⅝	168	41¼	1049	13¾	350	15¼	388	13	330	13	331	1	60	27
CB300F	3	132	30	8⅝	219	43⅜	1147	18⅜	467	14⅞	377	17¾	450	12⅝	320	1	75	34
CB400F	4	255	58	8⅝	219	43⅜	1147	18⅜	467	14⅞	377	17¾	450	12⅝	320	1	84	38



See our ASME models on page 72



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 auxiliary 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



COMMERCIAL & INDUSTRIAL



RESIDENTIAL & COMMERCIAL

GMP4

THE COMPACT GLYCOL MAKE-UP PACKAGE THAT OFFERS PERFORMANCE AND RELIABILITY

Calefactio's GMP are economical yet rugged, compact and easy to use fluid feeders for small closed-loop systems. Their function is to automatically supply pressurized water or a water/glycol mixture to a closed-loop space heating, chilled water, snowmelt, solar, radiant heating or process control system, to ensure that minimum system pressure levels are maintained.

Benefits

- ▶ Prevent major floods
- ▶ No direct connection to potable water supply
- ▶ Provide leak detection
- ▶ Low level alarm
- ▶ Easy maintenance
- ▶ By-pass valve
- ▶ Connected with a flexible braided hose
- ▶ Self priming pump

GMP4

Model#	Capacity		Pump	Dimension						Approx. weight	
				A		B		C			
	gal	L		PSI	in	mm	in	mm	in	mm	lb
GMP4	4	15	100	16¼	412.8	13½	343	7½	190.5	9.6	4.4



SPECIFICATIONS

- ▶ Easy to adjust PRV to maintain system pressure
- ▶ 24V Pump, 35 PSI (241 kPa), 1.06 GPM (3.8 LPM)
- ▶ Level switch – stops the pump if fluid level in the tank is too low
- ▶ Integrated low liquid level float for audible alarm
- ▶ Discharge connection: ½" FNPT



- A Flexible braided hose
- B ¾" opening for relief valve
- C By-pass valve
- D PRV
- E 24V Pump, 35 PSI (241 kPa), 1.06 GPM (3.8 LPM)
- F Glycerine filled pressure gauge (0-100 PSI)
- G Adaptor plug
- H Included wall support
- I Heavy duty roto-molded tank with embossed graduation for a liquid level indicator that won't fade away.
- J 24V Adaptor

RESIDENTIAL & COMMERCIAL

GMP6/GMP18 GMPLC55/GMPLC100

Calefactio's GMP are economical yet rugged, compact and easy to use fluid feeders for small closed-loop systems. Their function is to automatically supply pressurized water or a water/glycol mixture to a closed-loop space heating, chilled water, snowmelt, solar, radiant heating or process control system, to ensure that minimum system pressure levels are maintained.



GMP6/GMP18/GMPLC55/GMPLC100

Model#	Capacity		Pump	Dimension						Approx. weight	
				A		B		C			
	gal	L	PSI	in	mm	in	mm	in	mm	lb	kg
GMP6	6	22.7	60	12	305	17.5	445	12	305	18.92	8.6
GMP18	18	68.1	100	12	305	39.25	997	12	305	26.62	12.1
GMPLC55	55	208	100	24	610	48	1219	–	–	37.84	17.2
GMPLC100	100	379	100	33	838	62	1575	–	–	51.48	23.4
GMP6S	4	15	100	16¼	412.8	13½	343	7½	190.5	9.6	4.4
GMP18S	6	22.7	100	12	305	17.5	445	12	305	18.92	8.6

SPECIFICATIONS

- ▶ Pump: 1.6 GPM (6 L/m)
GMP6 and GMP18: 60 PSI
GMPLC55 and GMPLC100: 100 PSI
- ▶ Discharge connection: ½" FNPT
- ▶ 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 braided 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*

*GMP6 and GMP18 only.

ACCESSORIES

Compatible with

GMP4

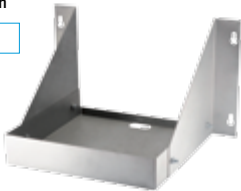


AUDIBLE ALARM

Model#	Description	Weight	
		lb	kg
GMP4ALARM	Low liquid level alarm	0.1	0.04

Compatible with

GMP6



WALL MOUNTING SHELF

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

Compatible with

- GMP4
- GMP6
- GMP18
- GMPLC55
- GMPLC100



CONNECTION HOSE

Model#	Description	Weight	
		lb	kg
BH72	72" Braided hose 1/2" FNPT x 1/2" MNPT	1.32	0.6

Compatible with

- GMP6
- GMP18
- GMPLC55
- GMPLC100



ALARM PANEL KIT

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

Compatible with

- GMP6
- GMP18
- GMPLC55
- GMPLC100



FLOAT

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

Compatible with

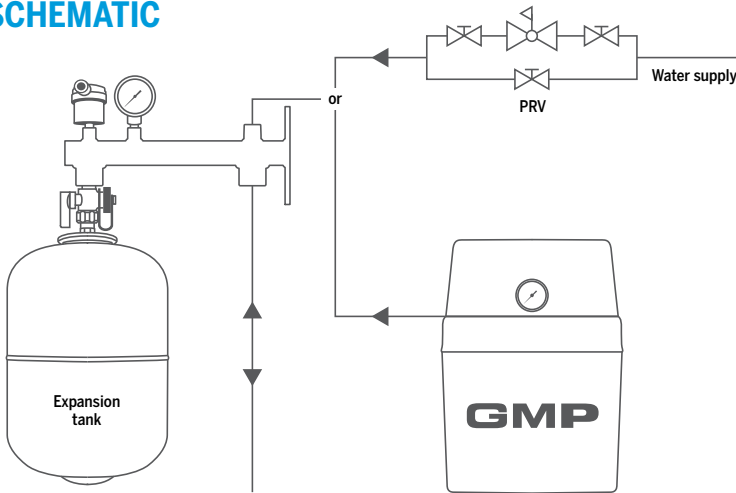
- GMP6
- GMP18



FILLING KIT

Model#	Description	Weight	
		lb	kg
GMPFILLINGKIT	Reusable hose	0.22	0.1

INSTALLATION SCHEMATIC



COMMERCIAL & INDUSTRIAL

SIMPLE/DUPLEX/TWIN

Simple GMP

- ▶ Tank, 50 or 100 gallons
- ▶ 1 booster pump of 1/3 or 1/2 H.P.
- ▶ 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 1/3 or 1/2 H.P.
- ▶ 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 1/3 or 1/2 H.P.
- ▶ 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:** 120V/1ph/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
GMPHF	High level alarm



PROTECTIVE SKIRTS

Model#	Description
GMPJU	Protective skirts



CONDENSAFE™

BOILER TECHNOLOGY

An exceptional innovation
in condensate neutralization

PUMP



NEUTRALIZER WITH PUMP



NEUTRALIZER



HIGH CAPACITY
NEUTRALIZER



CONDENSATSAFE

NEUTRALIZER



Features

- ▶ Easy to replace media
- ▶ Allows direct connection
- ▶ Safe for the environment

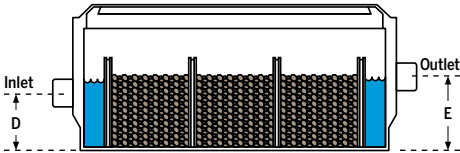
Model#	A		B		C		D		E		Inlet Outlet	Weight	
	in	cm	in	cm	in	cm	in	cm	in	cm		lb	kg
CS6	12	30.5	4¾	12	5½	14	2½	6	3	7.6	½" FNPT	4.18	1.9
Including: 1 media bag, 1 set of wall supports, 2 barbed fittings ¾" and 2 glued fittings ¾" female													

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

THE UNIT IS DIVIDED IN THREE SECTIONS



Engineered Media



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)											

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.

INCLUDED



Wall Supports

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

ACCESSORIES



HOSE AND CLIPS KIT

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

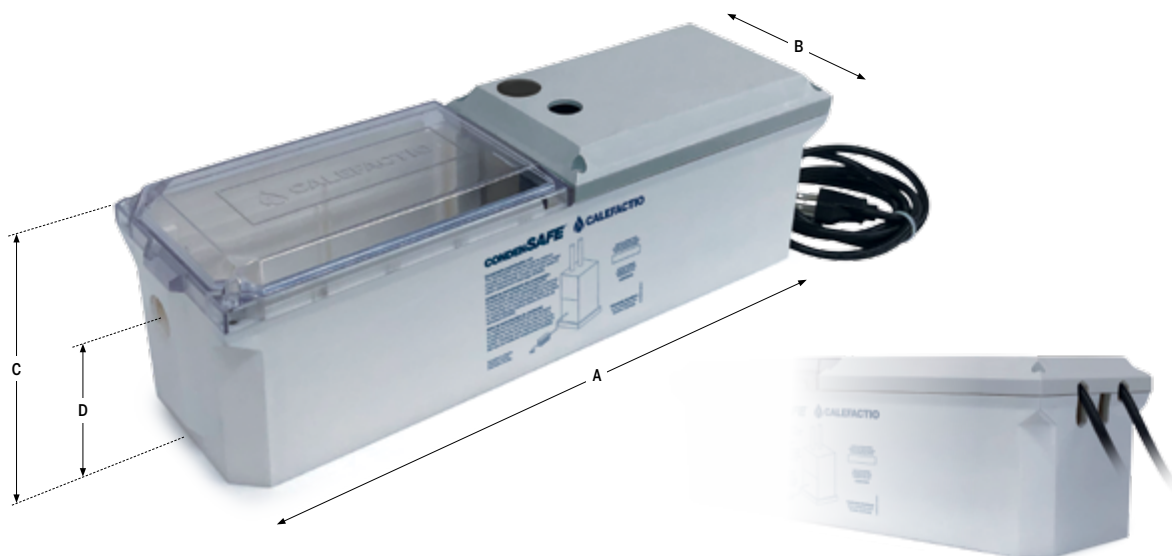


MEDIA BAGS

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

CONDENSSAFE

NEUTRALIZER WITH PUMP



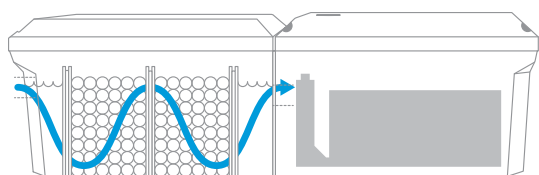
Complies with
UL 778
CSA C22.2 No.108

E114970

A		B		C		D		Inlet	Outlet
in	cm	in	cm	in	cm	in	cm	½" FNPT	⅜" I.D.
15½	40	5	12.7	4¾	12	3	7.6		

Features

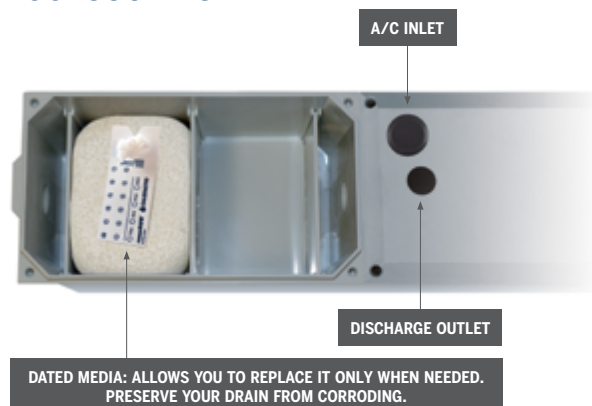
- ▶ All-in-one
- ▶ 120 V, 60 Hz. 7.2 ft (2.2 m) Power cord
- ▶ 20' ⅜" tubing included
- ▶ AC inlet port included
- ▶ Easy maintenance
- ▶ Preserve your drain from corroding
- ▶ Non return valve
- ▶ Compact, space saving construction
- ▶ Safety switch 1 ft (30 cm) NO or NC



Technical Data

Model#	Feet of head		Amp.	Pump model	Weight		
	ft	m			lb	kg	
CSPN20	20	6.0	2.0	CSP20	6.8	3.1	
Sizing							
1 Section				2 Sections			
MBH	kWh	Gal/h	L/H	MBH	kWh	Gal/h	L/H
525	151	2.1	8	1050	308	4.2	16

ACCESSORIES

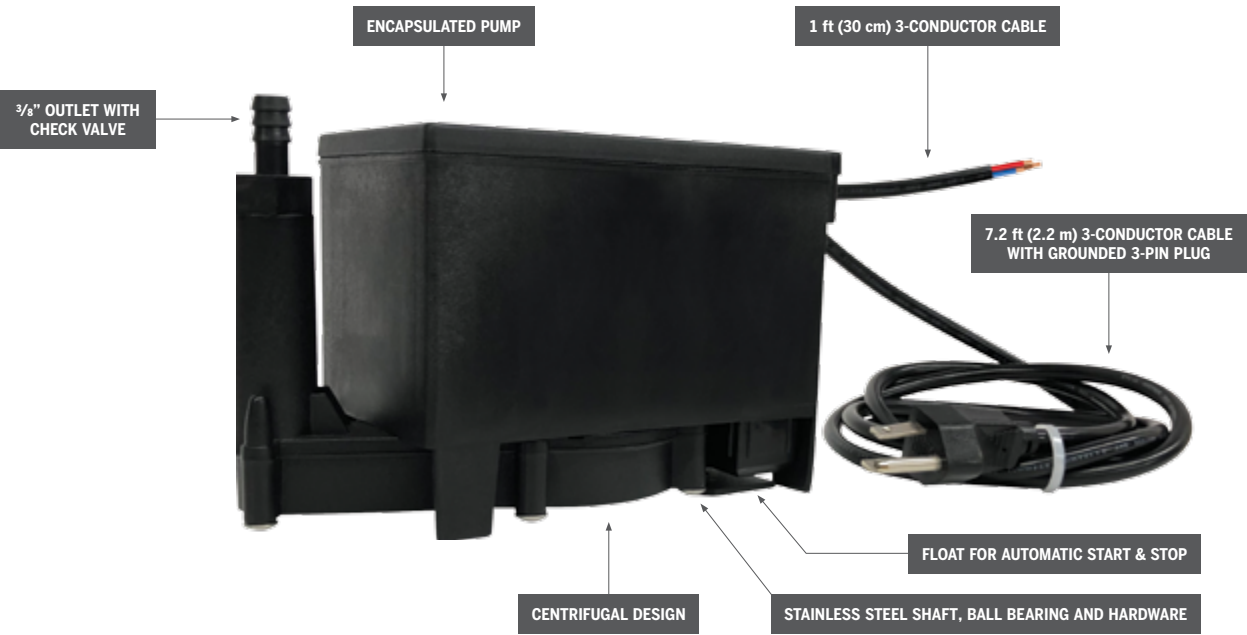


ALARM PANEL

Model#	Description	Weight	
		lb	kg
CAL-AL120	Alarm panel	1.98	0.9

CONDENSAFE

PUMP



Features

- ▶ Protection class IP65 (compares to NEMA 4) waterproof and dust proof
- ▶ 7.2 ft (2.2 m) 3-conductor cable with grounded 3-pin plug
- ▶ Pump encapsulated and fluid cooled thermally protected
- ▶ Ultra low noise
- ▶ Centrifugal pump design
- ▶ Strong nylon glass plastic pump housing (acid resistant, ≥ Ph3)
- ▶ Maximum water temperature: 158°F (70°C)
- ▶ Automatic start and stop operation
- ▶ Compact, space saving construction
- ▶ Integrated check valve
- ▶ Non-submersible pump
- ▶ Integrated safety switch, NO or NC



Complies with
UL 778
CSA C22.2 No.108
E114970



Technical Data

Model#	Dimensions						Power			Discharge	Cord	Shut off	Flow GPH/LPH					Weight	
	A		B		C		Volt	Hz	Amps			ft/m	1'	5'	10'	15'	20'	lb	kg
	in	mm	in	mm	in	mm													
CSP20	6.7	170	3.9	100	3.1	80	120	60	2.0	¾" I.D.	7.2'	20/6.1	114/430	108/410	87/330	58/220	20/75	3.0	1.4

Operating point start ± 34 mm, stop ± 13 mm, alarm 40 mm.

CONDENSAFE

HIGH CAPACITY NEUTRALIZER



Features

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

Model#	Capacity	Max. volume 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

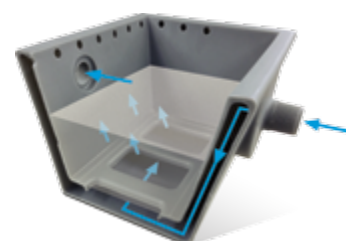
TO INCREASE TREATMENT CAPACITY

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

OPERATION

CondensSAFE 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 CO₂, and the media.



ACCESSORIES



ENGINEERED MEDIA

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



CONNECTION UNION

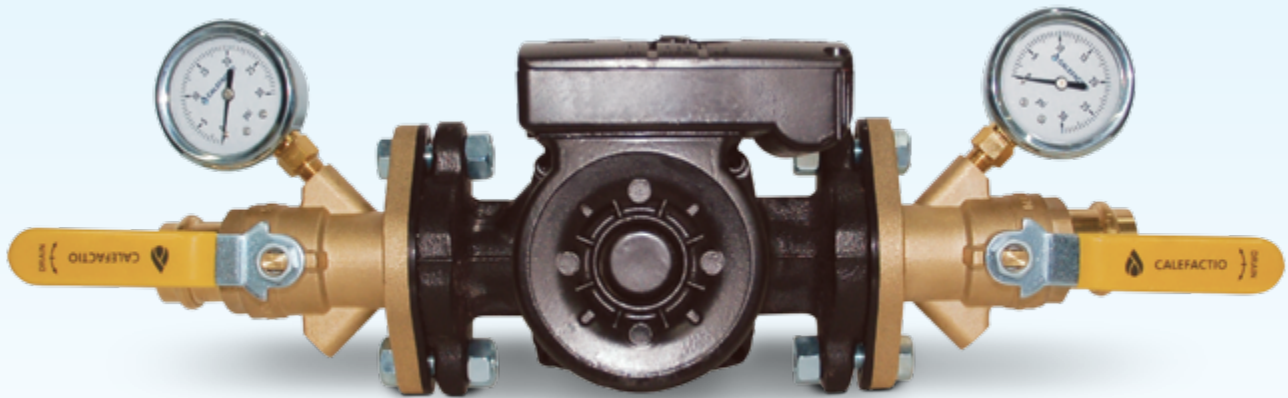
Model#	Description	Weight	
		lb	kg
CSCUK	For installation in series	0.22	0.1



ΔP (DELTA P) PUMP FLANGE

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.

THE ΔP PUMP FLANGE ALLOWS A QUICK OVERVIEW OF THE SYSTEM

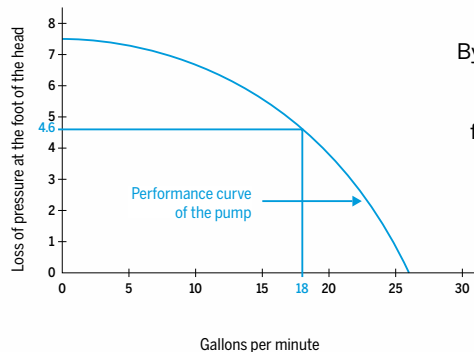


Specifications

- ▶ 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



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.

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
PF200P*	2"	10.3	4.7



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.

OPTIONAL



1/8" MNPT PRESSURE GAUGE

Model#	PSI	Weight	
		lb	kg
GAUGEO-30BOTTOM	0-30	0.22	0.1
GAUGEO-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
PF200P-ND	2"	5.07	2.30

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

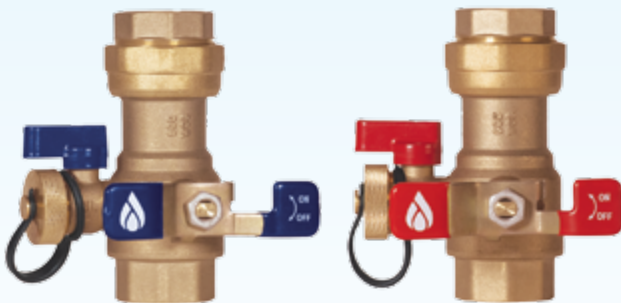
- ▶ 1 gasket
- ▶ 2 nuts and 2 bolts
- ▶ 2 plugs 1/8" (installed)



VALVES

Range of tankless water heater valves,
thermostatic valves and brass ball valves

TANKLESS WATER HEATER VALVES



THERMOSTATIC VALVES



BALL VALVE
FOR DRAINAGE



THERMOSTATIC VALVES



TANKLESS WATER HEATER VALVES



Features

- ▶ Secure seal
- ▶ Lead Free
- ▶ Facilitate maintenance with dedicated ports
- ▶ Easy identification of hot and cold valves
- ▶ Provided with 150 PSI pressure relief valve (PRV) (30 PSI available in option)

Valve Specifications

- ▶ Temperature rating: 40°F to 180°F
- ▶ Pressure rating: 125 PSI WOG maximum
- ▶ Valve seat rating: 600 WOG
- ▶ IAPMO listed to NSF/ANSI 61-2010 (folder #N-5427) and IGC 157-2010 (folder #5427)

PRV Specifications

- ▶ Maximum pressure: 150 PSI
- ▶ Maximum heating input: 200,000 BTU
- ▶ Connection: ¾"

Model#	Size	Width		Height		Weight	
		in	mm	in	mm	lb	kg
TK075N	¾"	3	76.6	4	101.6	2.87	1.3
TK075S	¾"	3	76.6	4	101.6	2.65	1.2
TK075N-30*	¾"	3	76.6	4½	114.3	3.97	1.8

*30 PSI PRV.



APMO/ANSI Z1157-2014e1
NSF/ANSI 14-2010a
Lead Free/NSF372
NSF/ANSI/CAN 61-2018

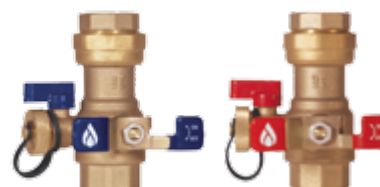


Model#	Size	Width		Height		Weight	
		in	mm	in	mm	lb	kg
TK100N	1"	3	76.6	4½	114.3	3.97	1.8
TK100S	1"	3	76.6	4½	114.3	3.75	1.7
TK100N-30*	1"	3	76.6	4½	114.3	3.97	1.8

*30 PSI PRV.



APMO/ANSI Z1157-2014e1
NSF/ANSI 14-2010a
Lead Free/NSF372
NSF/ANSI/CAN 61-2018



Model#	Size	Width		Height		Max pressure	Max temp.	Maximum heating input	Connection	Certification	Weight	
		in	mm	in	mm						lb	kg
PRV075-30	¾"	2	51	2½	63.5	30 PSI	99°C	535 000 BTU	¾" MNPT	ASME	0.66	0.3
PRV075-150	¾"	2	51	2½	63.5	150 PSI	99°C	200 000 BTU	¾" MNPT	CSA ANSI Z21.22	0.44	0.2



NSF14



DRAIN VALVES

DRAIN VALVES

Model#	Description	Weight	
		lb	kg
DV12	½" Connection	0.2	0.1
DV34	¾" Connection	0.2	0.1



BALL VALVE FOR DRAINAGE

Model#	Description	Weight	
		lb	kg
DBV034N	¾" Connection	0.7	0.32



THERMOSTATIC VALVES

Features

- ▶ Temperature setting range: 33 to 49°C (86 to 120°F)
- ▶ Set and locked at the factory at 41°C (106°F)
- ▶ Hot supply: 49 to 82°C (120 to 180°F)
- ▶ Cold supply: 4 to 27°C (40 to 80°F)
- ▶ Maximum static pressure: 145 PSI (1,000 kPa)
- ▶ Flow rate range: 1 to 12 GPM (4 LPM to 45 LPM)
- ▶ Chrome plated finish
- ▶ Check valve can be disassembled and cleaned

PEX × PEX × SWEAT

Model#	Size	Width		Height		Weight	
		in	mm	in	mm	lb	kg
FTMV034PX	SHV ¾"	5⅞	142	5½	130	1.4	0.6
ASSE 1016	ASSE 1069	ASSE 1070		CSA B125.16-17			



PRESS × PRESS × PRESS

Model#	Size	Width		Hauteur		Weight	
		in	mm	in	mm	lb	kg
FTMV034P	SHV ¾"	5⅞	142	5½	130	1.6	0.7
ASSE 1016	ASSE 1069	ASSE 1070		CSA B125.16-17			



SWEAT × SWEAT × SWEAT

Model#	Size	Width		Height		Weight	
		in	mm	in	mm	lb	kg
FTMV034S	SHV ¾"	5⅞	142	5½	130	1.4	0.6
ASSE 1016	ASSE 1069	ASSE 1070		CSA B125.16-17			



PUSH × PUSH × PUSH

Model#	Size	Width		Height		Weight	
		in	mm	in	mm	lb	kg
FTMV034PF	SHV ¾"	5⅞	142	5½	130	1.8	0.8
ASSE 1016	ASSE 1069	ASSE 1070		CSA B125.16-17			



THERMOSTATIC MIXING VALVE ASSEMBLY

Ready to install

- ▶ Temperature actuated mixing valve that mixes hot and cold water to distribute tempered water at a controlled temperature between 32 and 54°C (90 and 129°F)
- ▶ Installation of the water heater allows the device to be set at 60°C (140°F), thus providing a greater effective volume of hot water and reducing the chances of Legionella bacteria growth in the water
- ▶ Factory set at 48°C (118°F), easily adjustable

Material

- ▶ Body: brass
- ▶ Springs: stainless steel
- ▶ Piston: engineered polymer
- ▶ Seals: EPDM
- ▶ Internal cap: brass

Model#	21005					
Connect.	Width		Height		Weight	
	in	mm	in	mm	lb	kg
¾"	3⅞	99	4¼	107	2.4	1.1

BALL VALVES

NPT

- ▶ Full port, brass ball valve with NPT threaded ends (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"	400 PSI without shock WOG	3.49	1.58
11009	2½"		7.61	3.46
11010	3"		7.56	3.44
11011	4"		16.6	7.54



AB1953
NSF14
NSF6
NSF372

PRESS

- ▶ Ball valve in brass full-bore with pressure 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

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

PEX F1960

- ▶ Ball valve in brass full-bore with PEX 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

- ▶ Ball valve in brass full-bore 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.



FIXED



UNION



INDUSTRIAL



SPECIALIZED



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



Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

Model#	Connect.	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
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	1½" FNPT	2¾"	5.0 to 30																	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	21.0 oz

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



Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

Model#	Connect.	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	

Custom requests are welcome (OEM)

INDUSTRIAL REGULATORS



Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

- ▶ 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

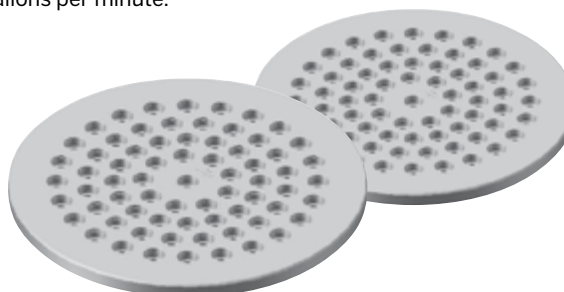
Model#	Connection	Height	GPM	Gallons per minute (GPM)																Weight		
				0.50	0.75	1.00	1.30	1.50	1.75	2.00	2.50	3.00	3.50	4.00	4.50	5.00	6.00	6.50	7.00		8.00	9.00
Y	¾" MNPT × ¾" FNPT	1½"	1 to 10			•		•		•	•	•	•	•	•		•	•	•	•		4.5 oz



WAFER TYPE FLOW REGULATORS

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"	7½"	100 to 540
WF8	8"	10½"	200 to 960
WF10	10"	12½"	300 to 1,500
WF12	12"	15¼"	400 to 2,100



Lead free





ASME EXPANSION TANKS

HEATING



POTABLE



HYDRO-PNEUMATICS



Expanflex

Use our online selector tool to choose the right tank size.
calefactio.com/en/sizing-tool



HEATING

AL SERIES

✓ Replaceable bladder ✓ Bottom connection

- ▶ Acceptance factor of 100 %
- ▶ Replaceable butyl bladder
- ▶ 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
- ▶ 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, 250 and 300 PSI also available

Integrated pressure gauge and tank integrity indicator.
Expanview included for models AL-200 and up. Option available on models AL-35 to AL-130.



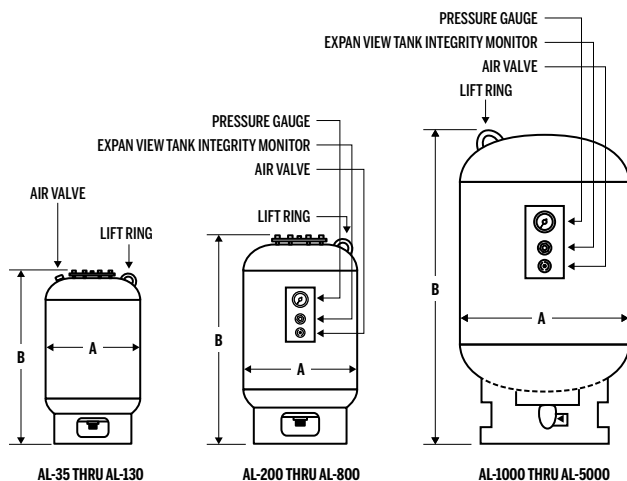
Model AL-35 thru AL-130 shown



Model AL-200 thru AL-800 shown

✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

Models



For models AL-200 thru AL-5000:
Equipped standard with a pressure gauge
and the ExpanView tank integrity indicator.



Use our online selector tool
to choose the right tank size.
calefactio.com/en/sizing-tool

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	25	635	1	25	40	18
AL-50	13	50	14	356	25	635	1	25	50	23
AL-85	23	87	16	406	37	940	1	25	90	41
AL-130	35	132	20	508	37	940	1	25	125	57
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	2	50	335	152
AL-600	158	598	30	762	65	1651	2	50	360	163
AL-800	211	798	32	813	76	1930	2	50	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



HEATING

ALT SERIES

✓ Replaceable bladder ✓ Top connection

- ▶ Acceptance factor of 100 %
- ▶ Replaceable butyl bladder
- ▶ 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
- ▶ 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, 250 and 300 PSI also available



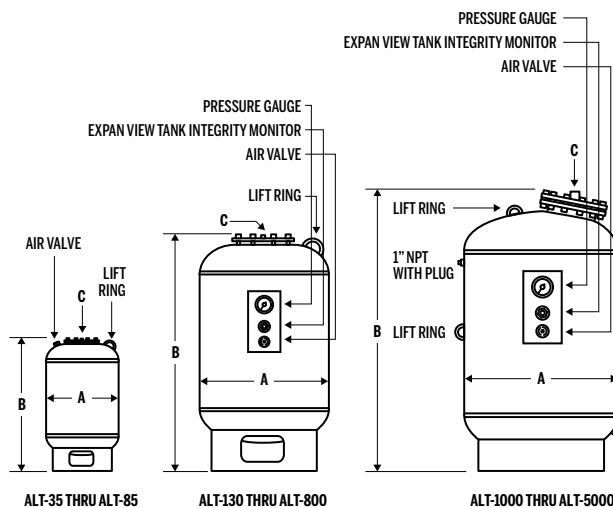
Model ALT-35 thru ALT-85 shown

Model ALT-200 thru ALT-800 shown

Integrated pressure gauge and tank integrity indicator. Expanview included for models ALT-200 and up. Option available on models ALT-35 to ALT-130.

✗ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

Models



**EXPAN
VIEW**

For models ALT-200 thru ALT-7500:
Equipped standard with a pressure gauge
and the ExpanView tank integrity indicator.



Use our online selector tool
to choose the right tank size.
calefactio.com/en/sizing-tool

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

HEATING

OT SERIES

✓ Fixed bladder ✓ Top connection

- ▶ Design conforms to ASME, section VIII
- ▶ Fixed bladder in ultra resistant EPDM
- ▶ 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
 - Models OT-15 thru OT-60: 150 PSI (1034 kPa)
 - Models OT-80 thru OT-280: 125 PSI (862 kPa)
- ▶ Maximum pressure of 175, 250 and 300 PSI also available

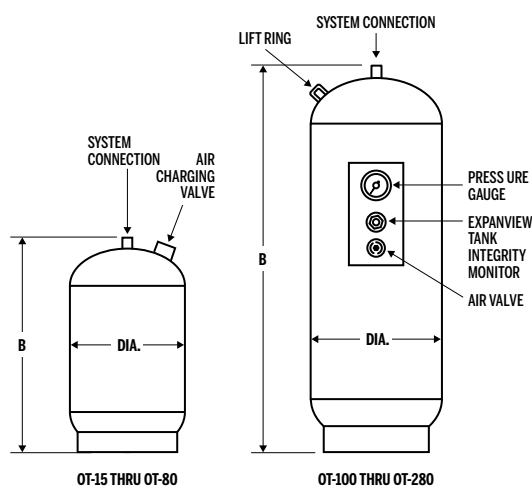


Model OT-100 thru OT-280 shown

Integrated pressure gauge and tank integrity indicator.
Expanview included for models OT-100 and up. Option available on models OT-15 to OT-80.

✗ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

Models



Model#	Tank volume		Acceptance volume		NPT Connection		Dimension				Approx. weight	
	gal	L	gal	L	in	mm	A		B		lb	kg
OT-15	7.8	30	6.3	24	¾	19	12	305	21.5	533.4	35.6	16.2
OT-20	11	42	8.8	33	¾	19	12	305	26.5	660.4	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



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EXPANVIEW

For Models OT-80 thru OT-280:
Equipped standard 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

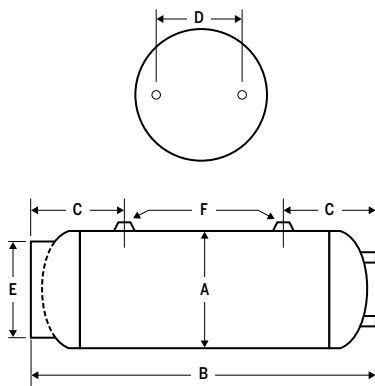
Technical specifications

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



✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

Models



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	11½	283	20	508	18	457	1	25	218	99
24NA72	135	511	24	610	72	1829	11½	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	105¼	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/A	N/A	1½	38	810	367
42NA96	525**	1987	42	1067	96	2438	18	457	28	711	N/A	N/A	1½	38	895	406



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*The 505 and 525 gallon tanks are not supplied with a base ring. ‡The 525 gallon tanks have an 11"×15" footprint.

POTABLE

BFA SERIES

✓ Fixed bladder ✓ Top connection

- ▶ Design conforms to ASME, section VIII
- ▶ Fixed EPDM bladder ultra resistant CSA approved conforms to the NSF61 standard
- ▶ Water remains permanently separated from air
- ▶ Air precharged at factory; pressure adjustable on site

Technical specifications

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



Model BFA-12 thru BFA-80 shown

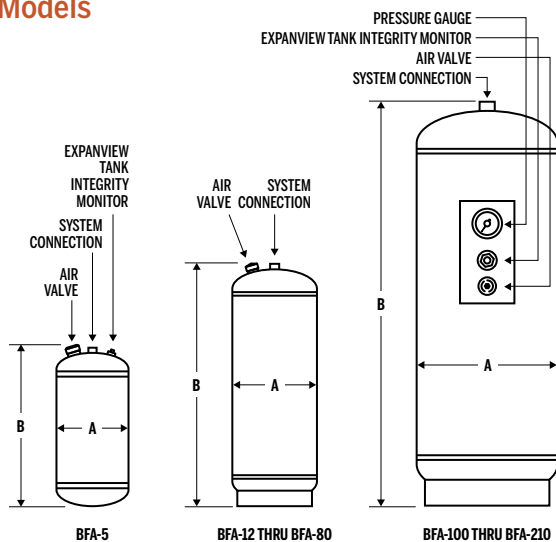


Model BFA-100 thru BFA-210 shown

Integrated pressure gauge and tank integrity indicator. Expanview included for models BFA-5 and BFA-100 and up. Option available on models BFA-12 to BFA-80.

✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

Models



Model#	Tank volume		Acceptance volume		NPT Connection		Dimension				Approx. weight	
	gal	L	gal	L	in	mm	A		B		lb	kg
BFA-5	3.5	13	2.3	9	3/4	19	10	254	14	356	22	10
BFA-12	5	19	3.3	12	3/4	19	12	305	15	380	28	13
BFA-20	8	30	5.3	20	3/4	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	1 1/2	38	24	610	47	1194	259	117
BFA-180	80	303	53	201	1 1/2	38	24	610	50	1270	268	122
BFA-210	90	341	60	227	1 1/2	38	24	610	53	1346	283	128



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**EXPA
VIEW**

For models BFA-5, BFA-100, BFA-125, BFA-160, BFA-180 and BFA-210: Equipped standard with a pressure gauge and the ExpanView tank integrity indicator.



POTABLE

TXA SERIES

✓ Replaceable bladder ✓ Bottom connection

- ▶ Replaceable butyl bladder ultra resistant CSA approved conforms to the NSF61 standard
- ▶ Construction conforms to ASME Section VIII
- ▶ Water remains permanently separated from air for the entire duration of the life of the reservoir
- ▶ Air precharged at factory; pressure adjustable on site

Technical specifications

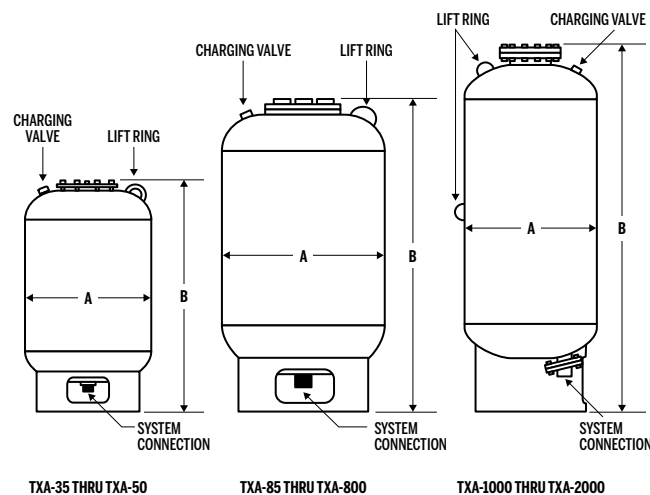
- ▶ Stainless steel connection
- ▶ Maximum design temperature: 240°F (115°C)
- ▶ Air precharged at factory at 40 PSI
- ▶ Maximum design pressure 150 PSI
- ▶ Maximum pressure of 175, 250 and 300 PSI also available



Model TXA-85 thru TXA-800 shown

✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

Models



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



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POTABLE

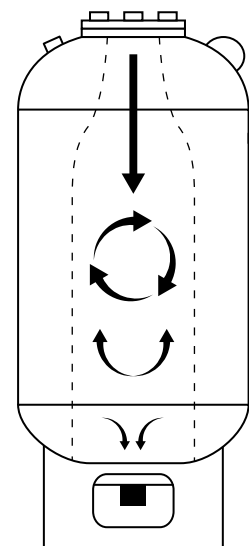
FTTE-C SERIES

✓ Replaceable bladder ✓ Flow through

- ▶ Shell: carbon steel
- ▶ Heads: carbon steel
- ▶ Connections: stainless steel
- ▶ Ultra resistant butyl bladder, NSF approved
- ▶ 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

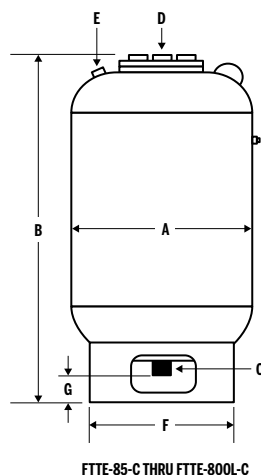


Internal view

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.

✗ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

Models



FTTE-85-C THRU FTTE-800L-C

Model#	Volume		Dimension				Connection				Charg. valve E	F		G		Approx. weight	
	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	0.302" - 32 NC	12	305	5 1/4	133	90	41
FTTE-130-C	35	132	20	508	37	940	1	25	1	25		12	406	5 1/4	133	132	60
FTTE-200-C	53	201	24	610	43	1092	1 1/2	38	1 1/2	38		20	508	5 1/4	133	220	100
FTTE-300-C	79	299	24	610	55	1397	1 1/2	38	1 1/2	38		20	508	5 1/4	133	236	107
FTTE-400-C	106	401	30	762	49	1245	1 1/2	38	1 1/2	38		24	610	5 1/4	133	315	143
FTTE-500-C	132	500	30	762	57	1448	2	51	2	51		24	610	4 3/4	121	347	157
FTTE-600-C	158	598	30	762	65	1651	2	51	2	51		24	610	4 3/4	121	378	171
FTTE-800L-C	211	799	32	813	76	1930	2	51	2	51		28	711	4 3/4	121	503	228



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HYDRO-PNEUMATICS

AFX SERIES

- ✓ Replaceable bladder
- ✓ Bottom connection

- ▶ FDA approved ultra resistant butyl bladder
- ▶ 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

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

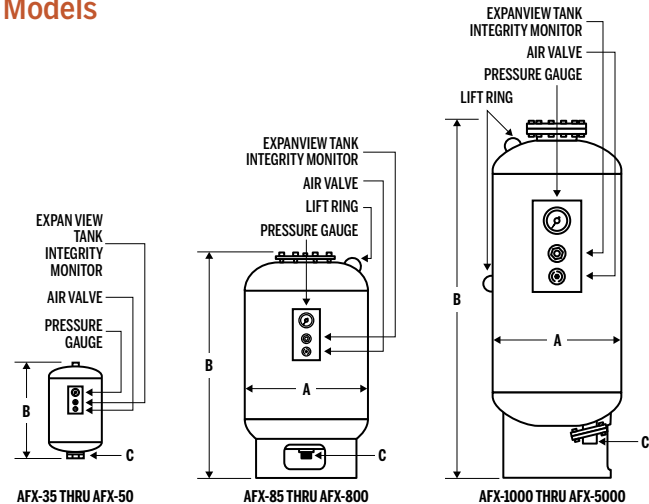


Model AFX-80 thru AFX-800 shown



Use our online selector tool
to choose the right tank size.
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Models



Model#	Tank volume		Dimension				NPT Connect.		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

✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

NON-CODED HYDRO-PNEUMATICS

FX SERIES

✔ Replaceable bladder

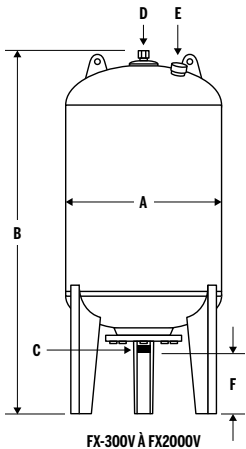
- ▶ NON-ASME Expansion tank
- ▶ Ultra resistant butyl bladder
- ▶ Water remains permanently separated from air
- ▶ Preload of air at factory, adjustable pressure on site
- ▶ Effectively controls pressure surges and shocks that occur when the system is turned on and off
- ▶ Equipped with connections for large water systems, designed to quickly accept water pressure surges with minimal pressure drop

Technical specifications

- ▶ Maximum design temperature: 240°F (115°C)
- ▶ Maximum design pressure: 150 PSIG
- ▶ Air precharged at factory at 30 PSI
- ▶ Bladder: – Ultra resistant butyl
 - FDA approved
 - Conforms to the NSF61 standard
- ▶ Stainless steel connection



✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.



Models

Model#	Volume		Dimension				Connection				Charging valve	F		Approx. weight	
			A		B		C		D		E				
	gal	L	in	mm	in	mm	in	mm	in	mm	0.302" - 32 NC 7.7 mm - 32 NC	in	mm	lb	kg
FX-300V	80	303	25	635	55	1397	1½	38	½	13		8.5	216	141	70.0
FX-500V	132	500	31	787	61	1549	1½	38	½	13		9	229	265	120.2
FX-750V	198	750	31	787	79	2007	1½	38	½	13		9	229	330	149.7
FX-1000V	264	999	37	940	77	1956	2	51	½	13		9	229	398	180.5
FX-2000V	528	1999	50	1270	84	2134	2	51	½	13		9	229	835	378.8



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HYDRO-PNEUMATICS

SSA SERIES / SHOCK AND SURGE ARRESTORS

✓ Replaceable bladder

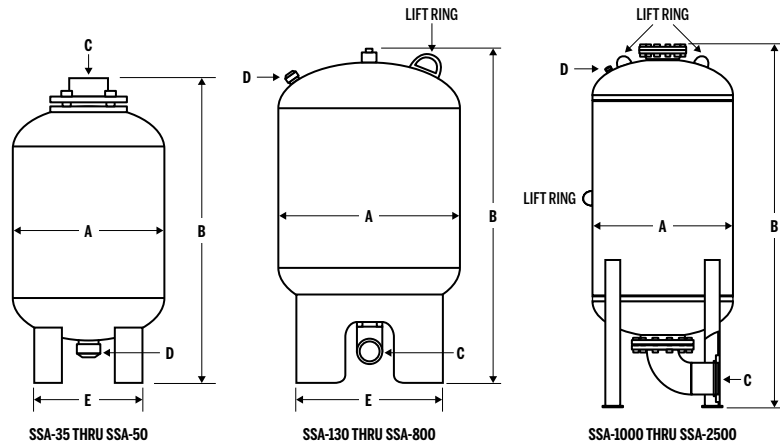
- ▶ Ultra resistant butyl bladder
- ▶ Construction conforms to ASME Section VIII
- ▶ Water remains permanently separated from air
- ▶ Air precharged at factory; pressure adjustable on site
- ▶ Effectively control water hammer shock and pump start-up/shut-down water surge
- ▶ Connection at the bottom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

Technical specifications

- ▶ Maximum design temp.: 240°F (115°C)
- ▶ Air precharged at factory at 30 psi
- ▶ Maximum design pressure: 250 PSI



Models



Model#	Volume		Dimension								Approx. weight			
			A		B		C		Charging valve	D			E	
	gal	L	in	mm	in	mm	in	mm			in	mm	lb	kg
SSA-35	10	38	12	305	26	660	2½	64	0.302" — 32 NC 7.7 mm — 32 NC		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



Use our online selector tool to choose the right tank size.
calefactio.com/en/sizing-tool

✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

NOTE: Available with mounting clips.

HYDRO-PNEUMATICS

ABM SERIES / MUNICIPAL HAMMER ARRESTORS

✓ Replaceable bladder

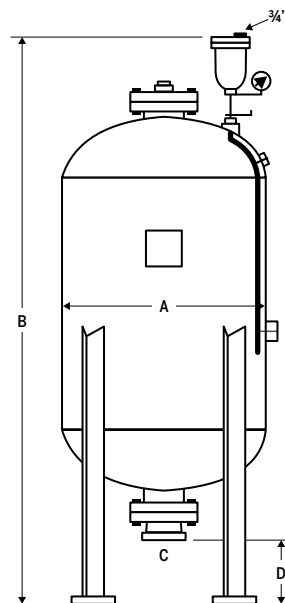
- ▶ Heavy duty butyl bladder
- ▶ Design conforms to ASME, section VIII
- ▶ For use in wastewater systems
- ▶ Equipped with a biogas vent and manometer

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



Use our online selector tool to choose the right tank size.
calefactio.com/en/sizing-tool

✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

ACCESSORIES



SADDLES

For horizontal installation on the floor.

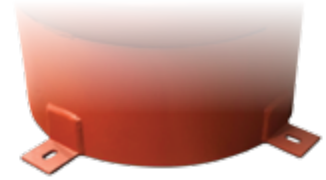
Model#	Diameter
SAD12	12"
SAD14	14"
SAD16	16"
SAD18	18"
SAD20	20"
SAD24	24"
SAD30	30"
SAD36	36"
SAD48	48"



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#	Width
BKT2	2"
BKT4	4"





ASME SPECIALIZED TANKS

Calefactio can manufacture 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

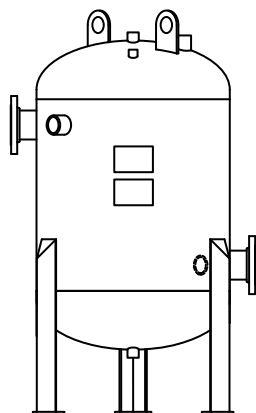


ASME Storage Tank for Chilled Water and Glycol

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

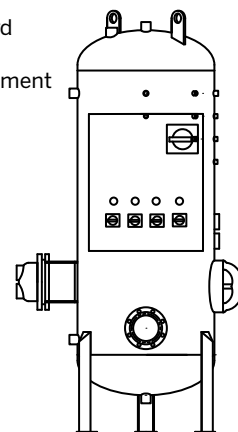
Technical Specifications

- ▶ 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

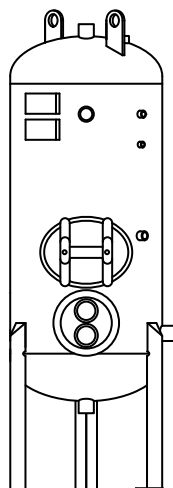
Technical Specifications

- ▶ Conforms to the NSF61 standard
- ▶ Replaceable aluminium anodes
- ▶ C/A pre-screened 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
STAE	With electrical exchanger



ASME Domestic Hot Water Storage Tank without Heater

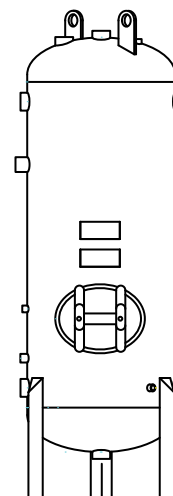
Technical Specifications

- ▶ 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

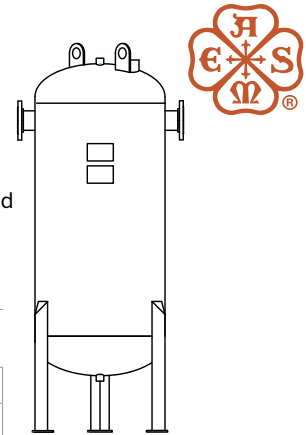
- ▶ Constructed according to the ASME code, section VIII, DIV. 1
- ▶ Conforms to the CSA B.51 standard
- ▶ Available vertically (V) or horizontally (H)
- ▶ Carbon steel or stainless steel construction
- ▶ Designs of 125 PSI (862 KPa), 150 PSI (1,034 KPa), 200 PSI (1,379 KPa) and greater on demand
- ▶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

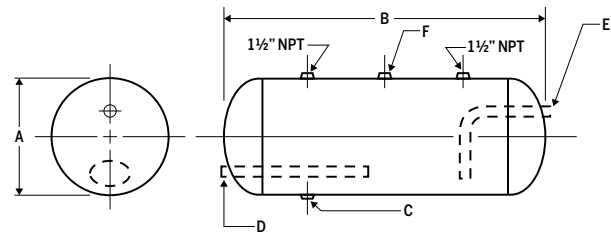


ASME FLASH TANKS

EFTA SERIES

Construction

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



Models

Model#	Capacity		W.P.	Dimension										Weight		Clear.	Options			
				A		B		C		D		E								F
	gal	L		PSI	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	ft²	Inlet
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	2"×24" with 32 holes ⅜"	2" 50.8 mm		
EFTA-80	80	302.8	125	24	610	46	1168	2	51	2	51	3	76	214	97	7.67				
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.

✂ To obtain a tank of higher capacity and greater pressure, contact the manufacturer.

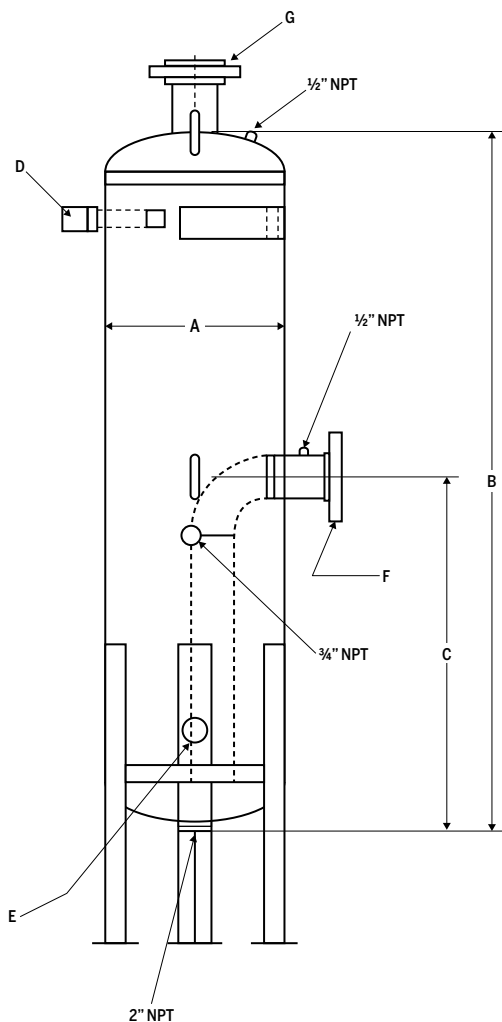
ASME BLOWDOWN TANKS

EBDT SERIES



Technical Specifications

- ▶ Conforms to chapter VIII of the ASME code
- ▶ Exterior painted primer
- ▶ Head and shell from $\frac{3}{8}$ in material
- ▶ Design temperature 450°F
- ▶ Operating pressure 125 psig



Models

Model#	Design pressure for boiler	Dimension				Exit height		Pressure purger		Cold water intake		Cold water intake		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	$\frac{3}{4}$	19	$\frac{3}{4}$	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	$\frac{3}{4}$	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	$\frac{3}{4}$	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	$\frac{3}{4}$	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	$\frac{3}{4}$	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	$\frac{3}{4}$	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	$\frac{3}{4}$	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



ASME AIR, DIRT AND HYDRAULIC SEPARATORS

AIR
SEPARATORS



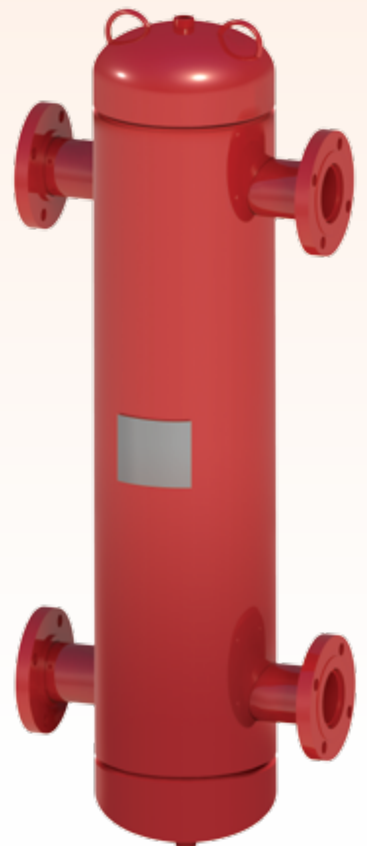
AIR AND DIRT
SEPARATORS



DIRT
SEPARATORS



HYDRAULIC
SEPARATORS



TANGENTIELS AIR SEPARATORS



ESPA / WITHOUT STRAINER

- ▶ Design conforms to ASME, section VIII
- ▶ Separate air
- ▶ Adapted fluids: water and 50% glycol solution
- ▶ Ideal for heating or cooling installations in open or closed loop
- ▶ Calvent automatic vent (#CV050) available in option

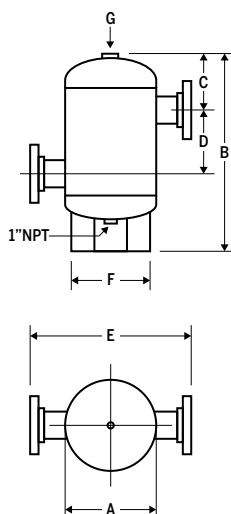
Technical specifications

- ▶ 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 separator of higher capacity and greater pressure, contact the manufacturer.

Models



Model#	Max GPM	Connect.		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	16½	422	9½	241	1¼	32	50	23
ESPA-2.5	90	2½	64	NPT	12	305	22½	572	5½	140	8½	216	16½	422	9½	241	1¼	32	55	25
ESPA-3	190	3	76	CLAMPED	12	305	22½	572	5¼	146	8	203	19¾	502	9½	241	1¼	32	60	27
ESPA-4	300	4	102	CLAMPED	14	356	32	813	9¾	232	10¾	273	21¾	552	11½	292	1½	38	90	41
ESPA-5	530	5	127	CLAMPED	14	356	32	813	9¾	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	46¾	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
- ▶ Separate air
- ▶ With strainer allowing debris retention
- ▶ Adapted fluids: water and 50% glycol solution
- ▶ Ideal for heating or cooling installations in open or closed loop
- ▶ Calvent automatic vent (#CV050) available in option

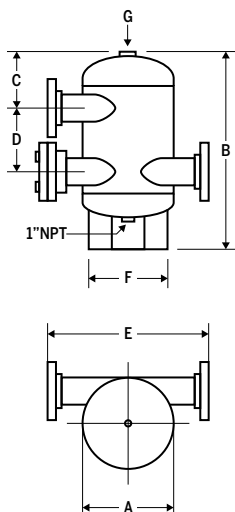
Technical specifications

- ▶ 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 separator of higher capacity and greater pressure, contact the manufacturer.

Models



Model#	Max GPM	Connect.		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	16¾	422	9½	241	1¼	32	55	25
ESPA-2.5S	90	2½	64	NPT	12	305	22½	572	5½	140	8½	216	16¾	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	9¾	232	10¾	273	21¾	552	11½	292	1½	38	99	45
ESPA-5S	530	5	127	CLAMPED	14	356	32	813	9¾	232	10¾	273	21¾	552	11½	292	1½	38	163	74
ESPA-6S	850	6	152	CLAMPED	20	508	44	1118	13¾	337	14½	368	28	711	18	457	2	51	210	95
ESPA-8S	1900	8	203	CLAMPED	20	508	44	1118	13¾	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	46¾	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 drain valve

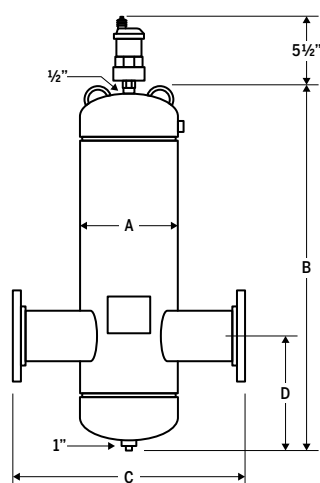
Technical specifications

- ▶ 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



To obtain a separator of higher capacity and greater pressure, contact 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	10¾	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	20¾	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	33¾	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	255

COALESCENT AIR SEPARATORS



EWVAA-HV / HIGH VELOCITY

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

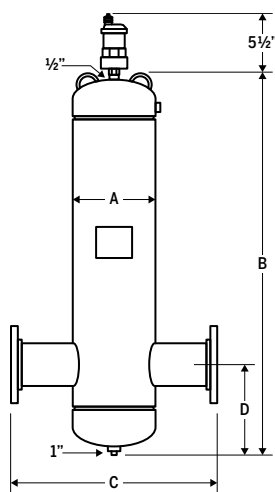
Technical specifications

- ▶ 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



 To obtain a separator of higher capacity and greater pressure, contact 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	10¾	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	20¾	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	33¾	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

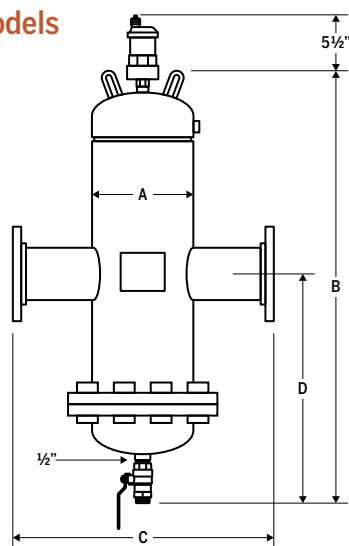
Technical specifications

- ▶ 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



To obtain a separator of higher capacity and greater pressure, contact 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	20⅞	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	35⅞	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

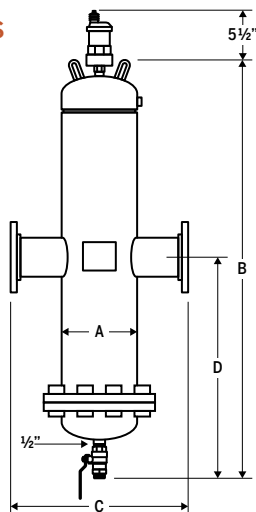
Technical specifications

- ▶ 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



✂ To obtain a separator of higher capacity and greater pressure, contact 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	20¼	524	21	533	219	99
EWVA-5-HV	5	127	630	2385	10	254	59	1499	27¼	705	29½	749	236	107
EWVA-6-HV	6	152	910	3445	12	305	59	1499	27¼	705	29½	749	405	184
EWVA-8-HV	8	203	1610	6095	16	406	75	1905	33¾	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

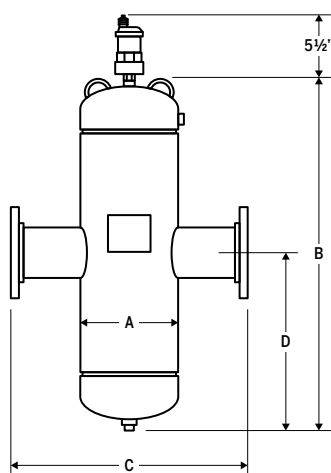
Technical specifications

- ▶ 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



To obtain a separator of higher capacity and greater pressure, contact 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	20¾	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	20¾	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	33¾	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

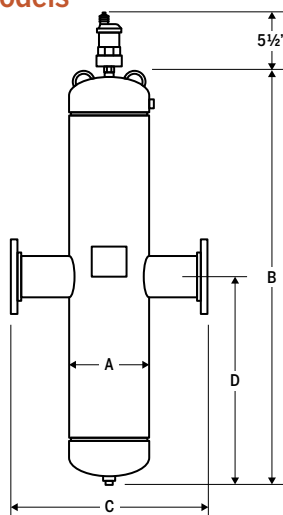
Technical specifications

- ▶ 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



To obtain a separator of higher capacity and greater pressure, contact 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	20¾	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	20¾	524	21	533	250	114
EWVAN-5HV	5	127	630	2385	10	254	59	1499	27¾	705	29¾	749	310	141
EWVAN-6HV	6	152	910	3445	12	305	59	1499	27¾	705	29¾	749	375	170
EWVAN-8HV	8	203	1610	6094	16	406	75	1905	33¾	854	37¾	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 INTERNAL

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

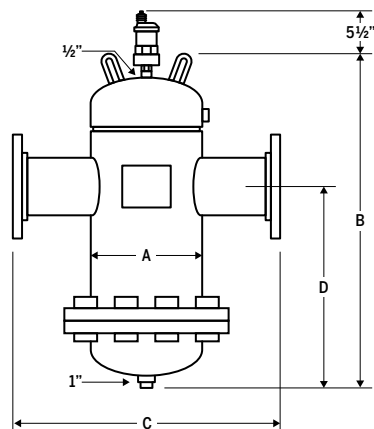
Technical specifications

- ▶ 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



To obtain a separator of higher capacity and greater pressure, contact 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	10¾	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	20¾	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	20¾	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	33¾	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

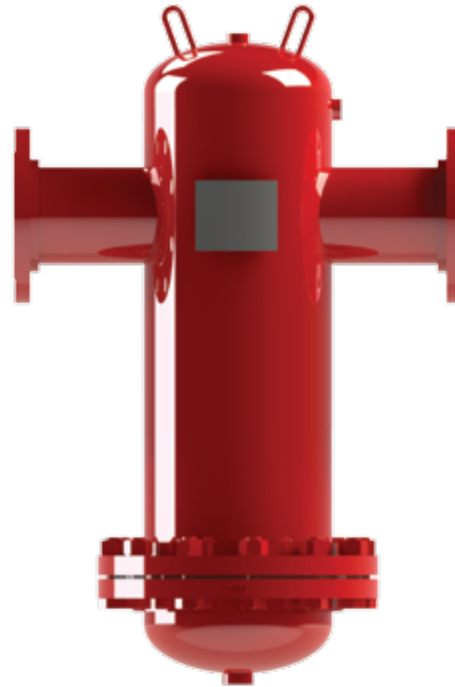


EWVAD-HV / HIGH VELOCITY / REPLACEABLE INTERNAL

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

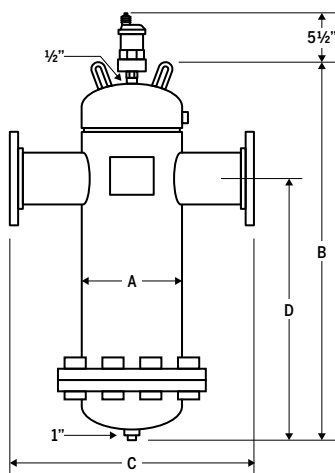
Technical specifications

- ▶ 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



 To obtain a separator of higher capacity and greater pressure, contact 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	15¼	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	27¼	705	29⅝	749	280	127
EWVAD-6HV	6	152	910	3445	19	483	41	1041	27¼	705	29⅝	749	390	177
EWVAD-8HV	8	203	1610	6094	23½	597	49	1245	33⅝	854	37¼	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

HYDRAULIC SEPARATORS

ASME CALBALANCE WITH FLANGE

- ▶ Design conforms to ASME, section VIII
- ▶ Equipped with a Calvent automatic vent (#CV050)
- ▶ Supplied with a drain valve (#DV34)
- ▶ Simple to install
- ▶ Easy maintenance

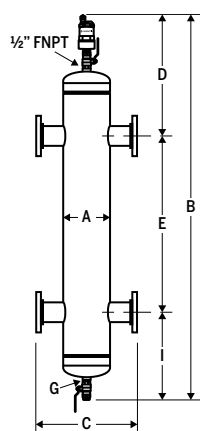
Technical specifications

- ▶ Coalescent media: stainless steel
- ▶ Carbonized steel housing
- ▶ Maximum operating pressure: 10 bar/150 PSI (200 & 250 PSI/13 & 17 bar available)
- ▶ Operating temperature: 0°C-232°C/32°F-450°F



✂ To obtain a separator of higher capacity and greater pressure, contact the manufacturer.

Models



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	6%	168	44%	1137	14%	375	14%	375	20%	527	-	-	½	9	235	90	41
CB250A	2½	90	20,4	6%	168	49%	1264	14%	375	15%	387	24%	628				10	248	115	52
CB300A	3	130	29	10%	273	60	1524	18%	476	17%	441	30%	781				12	302	225	102
CB400A	4	255	58	10%	273	81%	2064	22%	578	23	584	40%	1022				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	104%	2661	30	762	24½	622	60%	1643	14	356	1	20	495	420	191
CB800A	8	945	214	24	610	133%	3397	36	914	29%	746	80	2032				24	619	575	261
CB1000A	10	1440	326	30	762	160%	4070	42	1067	32½	826	100%	2546				28	699	935	424
CB1200A	12	2100	476	30	762	192	4877	42	1067	38	965	119½	3035				35	876	1165	528
CB1400A	14	2550	578	42	1067	211%	5378	54	1371	42	1067	131½	3334				39	978	2430	1102
CB1600A	16	3330	748	48	1220	236%	6013	60	1524	45½	1146	150	3810	14	356	2	42	1057	3260	1479



HYDRAULIC SEPARATORS

ASME CALBALANCE WITH FLANGE AND 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 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

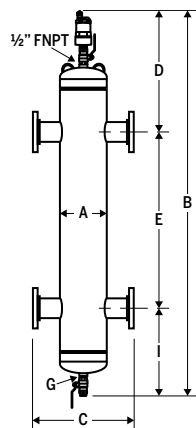
Technical specifications

- ▶ 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 separator of higher capacity and greater pressure, contact 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	mm	lb	kg	
CB200AV	2	69	261	6%	168	44%	1137	14%	375	14%	375	20%	527	-	-	½	9	235	90	41
CB250AV	2½	108	409	6%	168	49%	1264	14%	375	15%	387	24%	629	-	-	½	10	248	115	52
CB300AV	3	144	545	10%	273	60	1524	18%	476	17%	441	30%	781	-	-	½	12	302	225	102
CB400AV	4	255	965	10%	273	81%	2064	22%	578	23	584	40%	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	104%	2661	30	762	24½	622	60%	1543	14	356	1	20	495	420	191
CB800AV	8	945	3577	24	610	133%	3397	36	914	29%	746	80	2032	14	356	1	24	619	575	261
CB1000AV	10	1440	5451	30	762	160%	4070	42	1067	32½	826	100%	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	211%	5378	54	1372	42	1067	131%	3334	14	356	2	39	978	2430	1105
CB1600AV	16	3300	12492	48	1219	236%	6013	60	1524	45%	1146	150	3810	14	356	2	42	1057	3260	1482

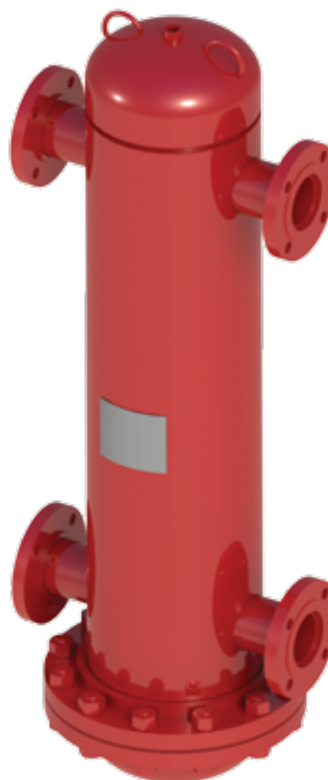
HYDRAULIC SEPARATORS

ASME CALBALANCE WITH FLANGE AND AIR & DIRT SEPARATOR / REPLACEABLE INTERNAL

- ▶ 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

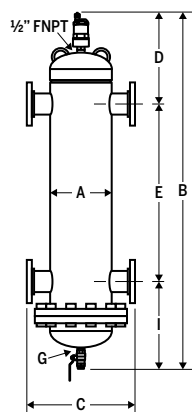
Technical specifications

- ▶ 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 separator of higher capacity and greater pressure, contact 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	mm	lb	kg	
CB200AVR	2	69	261	6%	168	44%	1137	14%	375	14%	375	20%	527	-	-	½	9	235	162	74	
CB250AVR	2½	108	409	6%	168	49%	1264	14%	375	15%	387	24%	629	-	-	½	10	248	187	85	
CB300AVR	3	144	545	10%	273	60	1524	18%	476	17%	441	30%	781	-	-	½	12	302	354	161	
CB400AVR	4	255	965	10%	273	81½	2064	22%	578	23	584	40%	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	104%	2661	30	762	24½	622	60%	1543	14	356	1	20	495	625	284	
CB800AVR	8	945	3577	24	610	133%	3397	36	914	29%	746	80	2032	14	356	1	24	619	1075	489	
CB1000AVR	10	1440	5451	30	762	160%	4070	42	1067	32½	826	100%	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	211%	5378	54	1372	42	1067	131½	3334	14	356	2	39	978	4138	1881	
CB1600AVR	16	3300	12492	48	1219	236%	6013	60	1524	45½	1146	150	3810	14	356	2	42	1057	5142	2337	



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