



 **VAREM**<sup>®</sup>  
catalogue  
2022



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## THE COMPANY

Varem's operations currently take place in the plants in Bovolenta, where it has its registered office, and in Limena (Padova).

In the two Bovolenta plants small tanks are produced and membranes are molded, and it is here that the logistics department is located, with a warehouse from which all products are shipped.

The plants in Limena contain the Management offices, the R&D laboratories, the tooling department and it is here that all other products are manufactured; the offices for the design and prototyping of new products and production lines are also located here.

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## THE ORIGINS OF SUCCESS

Varem's history is closely linked, as origins, territoriality and company culture, to the north-east of Italy. In the post-war period, the economy and industrial development of this geographical area of the country exploded exponentially, thanks to the hard work, creativity and courage to enter into business of the tireless Veneto people.

It was in this context that Luigino Benettolo founded Varem, helping to make Veneto one of the most highly industrialized areas in the world, promoting and raising the awareness of "Made in Italy" throughout the world as synonym of quality, reliability and cutting edge technology.

First as forerunner and then as leader in the field of expansion vessel and autoclave manufacture, Varem has always remained coherent with its origins, constantly strengthening its leadership position over time and simultaneously setting the standard for competitors and for the market.



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NEW PRODUCTS



AQUAVAREM  
PRESSURE TANKS WITH DIAPHRAGM MEMBRANE



ELECTRONIC PUMP CONTROLLER  
WITH BUILT-IN 3 L PRESSURE TANK



STARVAREM  
DIAPHRAGM EXPANSION VESSELS FOR  
HEATING SYSTEMS



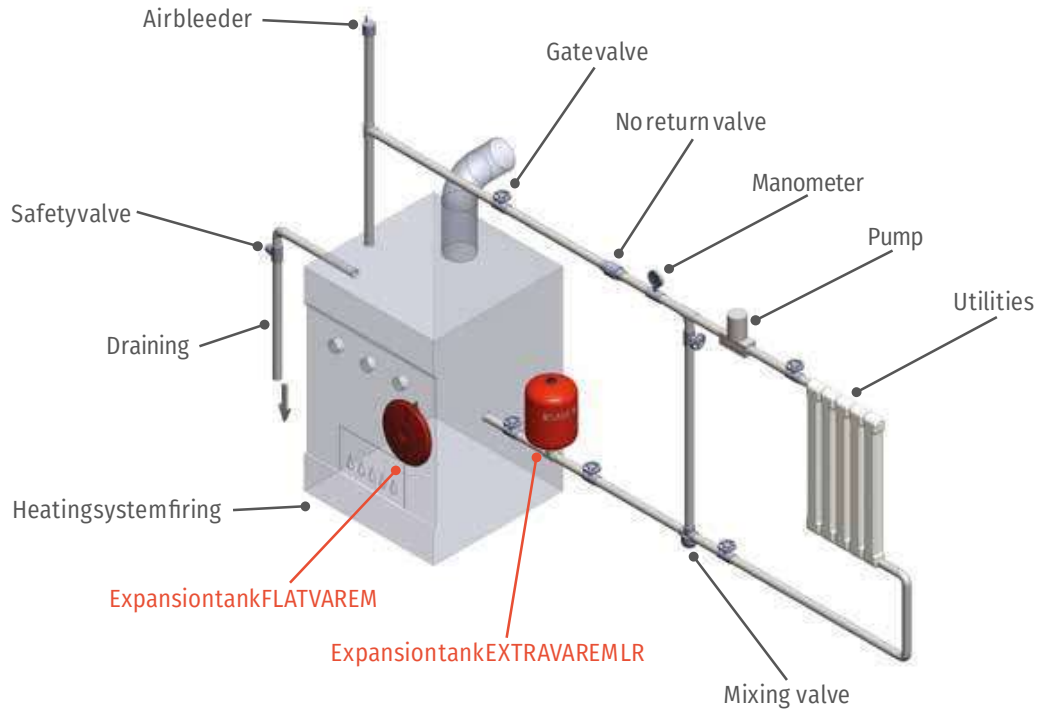
## HEATING LINE

The expansion vessel for heating systems makes available the volume for water dilation due to temperature increments, and keeps the system safe to dangerous pressure variations.

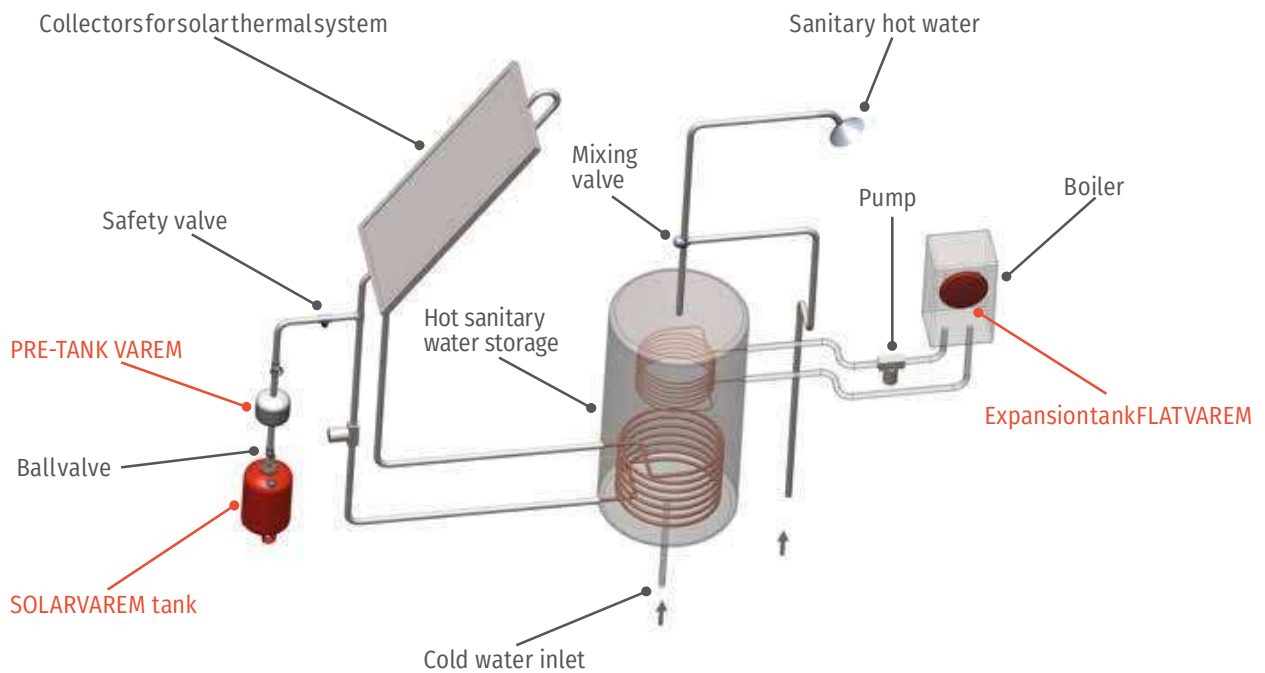
The working of the expansion vessels is more important during system start-up, when water temperature rises very quickly.



SCHEME OF A HEATING SYSTEM



SCHEME OF A SOLAR SYSTEM



## WATER LINE VERTICAL

- Vertical multifunction water tanks
- Replaceable membrane
- Available with galvanised or painted flange
- Red color (blue colour available on demand)
- Pre-charge pressure 2 bar

### INTERVAREM LS CE -10 +99 °C IDROVAREM CE



Standard Code	Capacity	Max. pressure	Connection	Dimensions	Packaging	Qty/pallet
	L	bar	inch	mm	m <sup>3</sup>	n.
S2005361CS000000	5	8	1"	160x332	0.010	210
S2008361CS000000*	8	8	1"	200x348	0.015	144
S2012361CS000000*	12	8	1"	270x308	0.024	84
S2019361CS000000*	19	8	1"	270x415	0.031	63
S2020361CS000000	20	8	1"	250x500	0.038	56
E10243D1CS0SE000	24	8	1"	351X358	0.045	54
S2024361CS000000*	24	8	1"	351x358	0.045	54
S2025361CS000000*	25	8	1"	290x472	0.041	63
S2040361CS000000*	40	8	1"	320x595	0.066	36

AVAILABLE WITH S/S FLANGE ON DEMAND (10 BAR) BLUE COLOR UPON REQUEST

\* Available version in white color, s/s flange and 3.5 bar pre-charge

\* Connection 3/4" available upon request

### MAXIVAREM LS CE



Standard Code	Capacity	Max. pressure	Connection	Dimensions	Packaging	Qty/pallet
	L	bar	inch	mm	m <sup>3</sup>	n.
US040361CS000000	40	10	1"	328x757	0.120	15
US050361CS000000	50	10	1"	379x759	0.126	15
US060361CS000000	60	10	1"	379x825	0.131	15
US080361CS000000	80	10	1"	450x789	0.170	15
US100361CS000000	100	10	1"	450x910	0.200	15
US150461CS000000	150	10	1"1/2	554x1040	0.340	8
US200461CS000000	200	10	1"1/2	554x1250	0.407	8
US300461CS000000	300	10	1"1/2	624x1370	0.596	6
US500461CS000000	500	10	1"1/2	790x1460	0.900	1
US750461CS000000*	750	10	1"1/2	786x1925	1.300	1
USN10H61CS000000*	1000	9.5	2"	945x1912	1.900	1
USN20H61CS000000*	2000	9.5	2"	1280x2080	3.720	1

AVAILABLE WITH S/S FLANGE ON DEMAND BLUE COLOR UPON REQUEST

\* Available not CE marked

\*\* Not CE marked

## WATER LINE HORIZONTAL/HIGH PRESSURE

- Horizontal multifunction water tanks
- Replaceable membrane
- Available with galvanised or painted flange
- Red color (blue colour available on demand)
- Pre-charge pressure 2 bar

-10 +99 °C

		HORIZONTAL						
INTERVAREM		Standard Code	Capacity	Max. pressure	Connection	Dimensions	Packaging	Qty/pallet
			L	bar	inch	mm	m <sup>3</sup>	n.
MAXIVAREM LS CE		S2H19361CS0BP000*	19	8	1"	300x418	0.031	63
		S2H20361CS0BP000*	20	10	1"	274x497	0.038	56
		US041361CS000000	40	10	1"	352x595	0.066	36
		US051361CS000000	50	10	1"	410x610	0.126	25
		US061361CS000000	60	10	1"	410x670	0.131	20
		US081361CS000000	80	10	1"	479x637	0.170	20
		US101361CS000000	100	10	1"	485x756	0.200	15
		US151461CS000000	150	10	1"1/2	602x825	0.372	8
		US201461CS000000	200	10	1"1/2	602x1038	0.407	8
		US301461CS000000	300	10	1"1/2	654x1188	0.596	6

AVAILABLE WITH S/S FLANGE ON DEMAND

\* 1.5 bar pre charge pressure

Up to 40 lt connection 3/4" upon request

PLUSVAREM -10 +99 °C

		HIGH PRESSURE						
		Standard Code	Capacity	Max. pressure	Connection	Dimensions	Packaging	Qty/pallet
			L	bar	inch	mm	m <sup>3</sup>	n.
		<b>CE marked</b>						
		S5008361CS000000	8	16	1"	200x320	0.015	144
		S5020361CS000000	20	16	1"	250x509	0.038	56
		S5050361CS000000	50	16	1"	379x759	0.128	15
		S5080361CS000000	80	16	1"	450x789	0.170	15
		S5100361CS000000	100	16	1"	450x910	0.200	15
		S5200461CS000000	200	16	1"1/2	554x1250	0.407	8
		S5300461CS0CE000	300	14	1"1/2	624x1370	0.596	6
		S5500461CS0CE000	500	12	1"1/2	790x1460	0.900	1
		<b>not CE marked</b>						
		S5300461CS000000	300	16	1"1/2	624x1370	0.596	6
		S5500461CS000000	500	16	1"1/2	790x1460	0.900	1
		S5750461CS000000	750	16	1"1/2	790x1925	1.300	1
		S5N10H61CS000000	1000	16	2"	945x1912	1.900	1

AVAILABLE WITH S/S FLANGE ON DEMAND

25 bar upon request



## WATER LINE S/STEEL - GALVANIZED

- Stainless steel tanks AISI304 with replaceable membrane
- Galvanized tanks with replaceable membrane
- Pre-charge pressure 2 bar

### INOXVAREM LS CE -10 +99 °C



Standard Code	Capacity	Max. pressure	Connection	Dimensions	Packaging	Qty/pallet
	L					
STAINLESS STEEL VERTICAL						
V2001860S4000000	1	8	1/2"	114x188	0.003	
V2002860S4000000	2	8	1/2"	135x225	0.005	
V2008260S4000000	8	8	3/4"	200x340	0.023	
V2020360S4000000	20	8	1"	260x492	0.040	56
V2050360S4000000	50	8	1"	365x863	0.131	15
V2100360S4000000	100	8	1"	480x925	0.240	15
V2200460S4000000	200	8	1"1/2	540x1280	0.400	8
V2300460S4000000	300	8	1"1/2	635x1385	0.600	6
V2500460S4000000	500	8	1"1/2	780x1450	0.900	1

### INOXVAREM LS CE -10 +99 °C



Standard Code	Capacity	Max. pressure	Connection	Dimensions	Packaging	Qty/pallet
	L					
STAINLESS STEEL HORIZONTAL						
V2H20360S40BP000	20	8	1"	274x497	0.040	56
V2051360S4000000	50	8	1"	365x655	0.104	25
V2101360S4000000	100	8	1"	480x745	0.200	15

### ZINCVAREM LS CE -10 +99 °C



Standard Code	Capacity	Max. pressure	Connection	Dimensions	Packaging	Qty/pallet
	L					
GALVANIZED VERTICAL						
SZ060361CS000000	60	10	1"	379x825	0.131	15
SZ100361CS000000	100	10	1"	450x910	0.200	15
SZ200461CS000000	200	10	1"1/2	554x1250	0.407	8
SZ300461CS000000	300	10	1"1/2	624x1370	0.596	6
SZ500461CS000000	500	10	1"1/2	790x1460	0.900	1

TANKS MODEL	CAPACITY l	CONNECTION inch	MEMBRANE	COLOR	COUNTERFLANGE
C1 Flatvarem D.385	002 2 lt	1 1/4" NPT	2 Fixed potable water	1 Red Varem	CS Carbon Steel
C2 Flatvarem D.325	A02 2,5 lt	2 3/4" GAS		2 Blue RAL	S4 Stainless Steel AISI304
C3 Flatvarem D.392	003 3 lt	3 1" GAS	3 Heating - fixed	5015	S6 Stainless Steel AISI316
C4 Extravarem cylindrical shape D.125	004 4 lt	4 1" 1/2 GAS	4 Fixed for Solarvarem	3 White RAL	NF No counterflange
	005 5 lt	5 3/4" GAS F		9010	
C6 Rectangular vessel	006 6 lt	6 3/4" NPT	6 Replaceable	4 Grey RAL	
C7 Oval shape vessel	007 7 lt	7 1" NPT	potable water	7012	
E1 Idrovarem / Intervarem cheap	008 8 lt	8 1/2" GAS	7 heating - replaceable	0 Stainless steel	
	010 10 lt	9 3/8" GAS		AISI304	
EV Electrovarrem	011 11 lt	H 2" GAS	8 Replac. for Solarvarem	A Blue RAL	Flatvarem = connector orientation
R1 Extravarem LR	012 12 lt	M M14x1		5009	00 Axial
R8 Solarvarem	014 14 lt	S 1" 1/2 NPT	F Diaphragm	C White P. RAL	B0 3/8" GAS 180°
S1 Idrovarem	016 0,16 lt	T 2" NPT		9001	C0 3/8" GAS F 180°
S2 Intervarem	018 18 lt	U 1/2" NPT		I Red P. RAL	D0 3/4" GAS Central
S3 Maxivarem LS	019 19 lt	V 1" 1/4 GAS		3002	E0 1/4" NPT 180°
S5 Plusvarem	H19 19 lt H			L Blue NCS	F0 3/4" GAS 180°
S8 Plusvarem 25 bar	020 20 lt			5040	G0 1/2" GAS 370°
SZ Zíncvarem	H20 20 lt H			O Blue RAL	I0 3/4" GAS 210°
UC Maxivarem LC	024 24 lt			5010	P0 3/4" GAS H34 135°
UD Aquavarem	025 25 lt			Q Green RAL	Q0 1/2" GAS 145°
UR Maxivarem LR	033 33 lt			6029	R0 1/2" GAS 180°
US Maxivarem LS	035 35 lt			T Green VE023	V0 1/4" GAS T.O.
V2 Inoxvarem	040 40 lt			Z Green 83916	Z0 3/8" GAS 270°
	041 40 lt H			Y Orange RAL	X0 1/2" GAS 90°
	050 50 lt			2004	W0 3/8" GAS 90°
	051 50 lt H			W Red A.I.	J0 3/4" GAS 90°
LR = Expansion vessels for heating systems	060 60 lt			K Grey BT	K0 3/8" lined up
LC = Multifunction expansion vessels	061 60 lt H				L0 3/4" GAS left
LS = Pressure tanks for water booster systems	080 80 lt				93 345°
	081 80 lt H				95 120°
	100 100 lt				96 220°
	101 100 lt				97 90°
	H				
	150 150 lt				
	151 150 lt				
	H				
	200 200 lt				
	201 200 lt				
	H				
	250 250 lt				
	300 300 lt				
	301 350 lt				
	H				
	500 500 lt				
	700 700 lt				
	750 750 lt				
	N10 1000 lt				
	N15 1500 lt				
	N20 2000 lt				













Spare membranes

Tank capacity	Tank model				
	INTERVAREM LS MAXIVAREM LS PLUSVAREM INOXVAREM	MAXIVAREM LR	SOLARVAREM	IDROVAREM MAXIVAREM LC	ULTRAVAREM
	Item	Item	Item	Item	Item
5	MB008S2P00000000		MB008S6S00000000		
8	MB008S2P00000000		MB008S6S00000000		
12	MB012S2P00000000		MB012S6S00000000		
19	MB019S2P00000000		MB019S6S00000000	MB024S8P00000000	
20	MB019S2P00000000				MB020S7P00000000
20 Plusvarem + Inoxvarem	MB020S2P00000000				
24	MB019S2P00000000			MB024S8P00000000	MB019S7P00000000
25	MB019S2P00000000		MB019S6S00000000		
40	MB040S2P00000000		MB040S6S00000000		
50	MB060S2P00000000	MB050S4H00000000	MB060S6S00000000		
60	MB060S2P00000000	MB060S4H00000000	MB060S6S00000000	MB060S8P00000000	MB060S7P00000000
80	MB080S2P00000000	MB080S4H00000000	MB080S6S00000000	MB080S8P00000000	
100	MB080F2P00000000	MB080S4H00000000	MB080S6S00000000	MB080S8P00000000	MB080F7P00000000
100 sp. PA + Inoxvarem	MB080S2P00000000				
150	MB150F2P00000000	MB150S4H00000000	MB150S6S00000000	MB150S8P00000000	
200	MB200F2P00000000	MB150S4H00000000	MB200S6S00000000	MB200S8P00000000	
250		MB200S4H00000000		MB200S8P00000000	
300	MB300F2P00000000	MB200S4H00000000	MB300S6S00000000	MB300S8P00000000	
400		MB300S4H00000000		MB300S8P00000000	
500	MB500F2P00000000	MB500S4H00000000	MB500S6S00000000		
700		MB500S4H00000000			
750	MBN10F2P00000000				
1000	MBN10F2P00000000	MBN10F2P00000002			
1500	MBN10F2P00000000				
2000	MBN10F2P00000000				
3000	MBN30S2P00000000				

The membranes are made on synthetic rubber.  
 The membranes for water booster systems are potable water-proof certified.  
 The membranes for Solarvarem can resist up to 130° for short periods with solutions of water and glycol.



ACCESSORIES

MODEL		DESCRIPTION Minimum Q.ty	ITEM
Precharge valve		20-24-40-50 lt (21 mm)	ACVALH21PR000000
		5-8-12-20 HP - 60 - 80 (27,5 mm)	ACVALH27PR000000
		100 - 750 lt	ACVAL200PR000000
		1000 ÷ 2000 lt	ACVALN10PR000000
5-way connector		Lenght 72 mm	ACFIT5V100H72000
		Lenght 82 mm	ACFIT5V100H82000
		Lenght 92 mm	ACFIT5V100H92000
Pressure gauge		0-6 bar Ø 50 - 1/4" rear	ACMAND50PT006000
		0-6 bar Ø 50 - 1/4" radial	ACMAND50RD006000
		0-10 bar Ø 50 - 1/4" radial	ACMAND50RD010000
Valve + pressure gauge kit for Maxivarem LS		Pressure gauge 0-16 bar CE + safety valve 9 bar CE 5 pcs/box	ACVALD50KT016000
Flow valve		Flow-valve for 60-80-100 L FW	ACFWV06000000000
		Flow-valve for 100-200-300-500-750 L FW	ACFWV15000000000
Pressure switch		V/M5 VAREM – Monophase 10 pcs/box	ACPSWVM5MN000000
		V/PM5 ITALTECNICA – Monophase 10 pcs/box	ACPSWPM5MN000000
		V/PT5 ITALTECNICA – Three-phase 10 pcs/box	ACPSWPT5TR000000
		V/PM12 ITALTECNICA – Monophase 10 pcs/box	ACPSWM12MN000000
		V/PT12 ITALTECNICA – Three-phase 10 pcs/box	ACPSWT12TR000000
Flexible hose		Length 60 cm, allow M-F, 1" GAS	ACFLX003MF060000
		Length 80 cm, allow M-F, 1" GAS	ACFLX003MF080000
		Length 100 cm, allow M-F, 1" GAS	ACFLX003MF100000
Valve cap		Black	ACCAP519NE000000
		Blue	ACCAP024BL000000
		20/40-100 lt. black	ACCAP100NE000000
Plate for Extravarem LR/LC		capacity 2-40 lts	ACBRK24000000000
		capacity 5-40 lts	ACBRK54000WLM000
		capacity 5-40 lts	ACBRK54000WLM002
		capacity 25-40 lts	ACBRK25400000000