



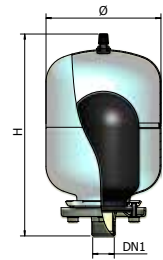
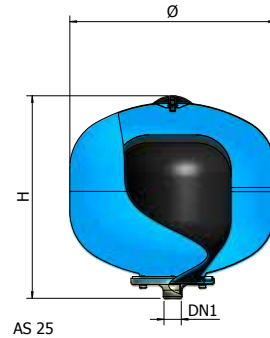
AS/AC-CE

REPLACEABLE BLADDER AUTOCLAVES FOR SANITARY WATER

(2 -25 LITRES)

AS 25

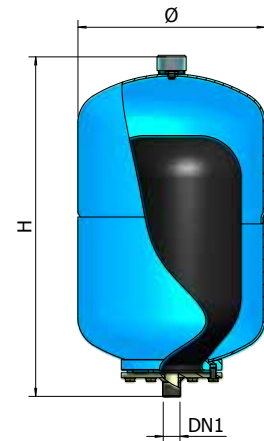
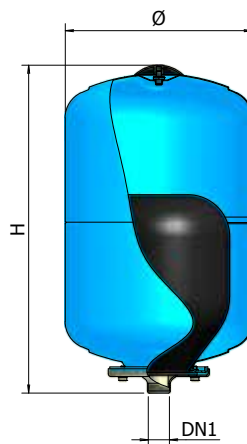
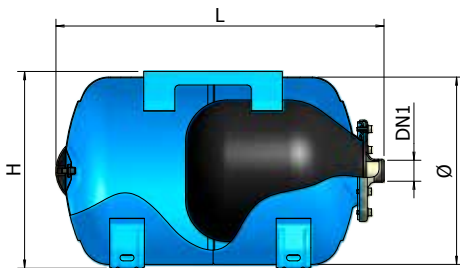
AC-2



AC 25 GPM

AC 5-25; AFV 24

AC 20 PN25



CE certified product



For drinking water



For pressurisation systems

The AS-AC series replacement bladder tanks are a valid solution for small household installations, garden irrigation systems and all other applications where small capacities are required.

All the models are supplied as standard with a bladder in EPDM; this means they can also be used as sanitary expansion tanks up to a maximum design temperature of +99°C.

The AS-25 model combines practicality and financial benefits, and is suitable for direct installation on the pump.

The AC GPM-25 model has been designed to implement small, compact type pressurization units. CE certified.

Characteristics:

• Working temperature: -10° / +99°C (Mod. AC20 PN25: -10° / + 50°C)

• Blue epoxy powder paint. (Model AC-2: white)

• Replaceable bladder in EPDM rubber (Model AC-2: replaceable bladder in butyl)

• Water and air completely separate.

• No contact between water and tank inner surface.

• Replaceable alimentary non-toxic bladder with elastic characteristics to enable total expansion inside the tank to ensure the best performance and longer product life cycle.

Reference standard:

• Declaration of conformity to essential safety requirements specified in 2014/68/UE Directive. (The 2 and 5 litre models are exempt from CE marking).

WARRANTY: 2 YEARS

DIMENSIONS

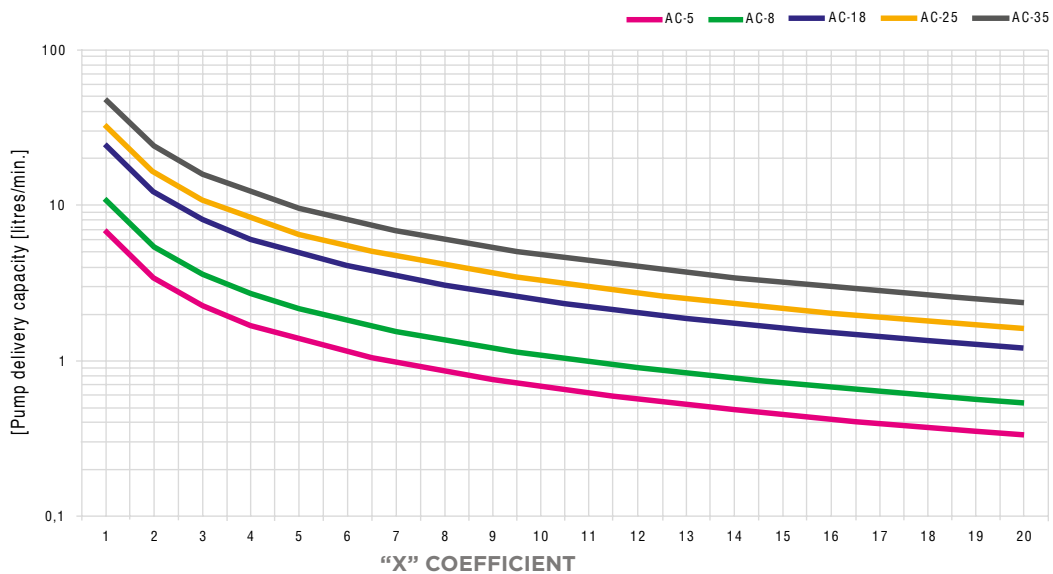
MODEL	CODE	Ppre Pmax			DN1			mm	NOTES	
		LITRES	bar	bar	max	mm	mm			mm
AC-2 *	A012J07	2	2,5	8	+99°C	130	230	-	3/4"	150 x 150 x 240
AC 5 *	A012J11	5	2,5	8	+99°C	205	240	-	3/4"	210 x 210 x 250
AC 8 CE	A012J16	8	2,5	8	+99°C	205	315	-	3/4"	210 x 210 x 320
AC 18 CE	A012J24	18	2,5	8	+99°C	270	430	-	1"	280 x 280 x 450
AC 25 CE	A012J27	24	2,5	8	+99°C	270	480	-	1"	280 x 280 x 470
AC 25 GPM CE	A022J27	24	2,5	8	+99°C	270	290	480	1"	280 x 300 x 470
AS 25 CE	A002J27	24	2,5	8	+99°C	360	365	-	1"	360 x 360 x 380
AC 20 PN25 CE	A012T25	20	5	25	+50°C	270	495	-	3/4"	280 x 280 x 500
AFV 24/16 CE	A032R27	24	2,5	16	+99°C	270	480	-	1"	280 x 280 x 470

* Exempt from CE marking

STAINLESS STEEL COUNTER-FLANGE VERSION

MODEL	CODE	Ppre Pmax			DN1			mm	NOTES	
		LITRES	bar	bar	max	mm	mm			mm
AC-18X	A012J24 WR000	18	2,5	8	+99°C	270	430	-	1"	280 x 280 x 450
AC-25X	A012J27 WR000	24	2,5	8	+99°C	270	480	-	1"	280 x 280 x 470
AC-25X GPM	A022J27 WR000	24	2,5	8	+99°C	270	290	480	1"	280 x 300 x 470
AS-25X	A002J27 WR000	24	2,5	8	+99°C	360	365	-	1"	360 x 360 x 380
AC-20X	A012T25 WR000	20	5	25	+50°C	270	495	-	3/4"	280 x 280 x 500
AFV-24X	A032R27 WR000	24	2,5	16	+99°C	270	480	-	1"	280 x 280 x 470

Bladder accumulator selection chart



To make sizing easier, a chart has been drawn up to select the most appropriate accumulator according to both the working pressure and delivery criteria. Note that the chart is based on the following hypothesis: standard precharge and 15 pump starts per hour (see p. 27 to identify the "X" coefficient).

Maximum delivery capacity of the pump [litres/min.]	Δp System working pressure											
	1,5 - 3,0			2,0 - 3,5			2,5 - 4,0			2,5 - 4,0		
	Number of pump starts per hour											
	15	8	5	15	8	5	15	8	5	15	8	5
2	5	8	18	8	18	24	8	18	35	5	8	18
8	18	35	50	24	50	80	80	35	100	24	50	80
10	24	50	60	35	60	100	100	50	150	35	50	100

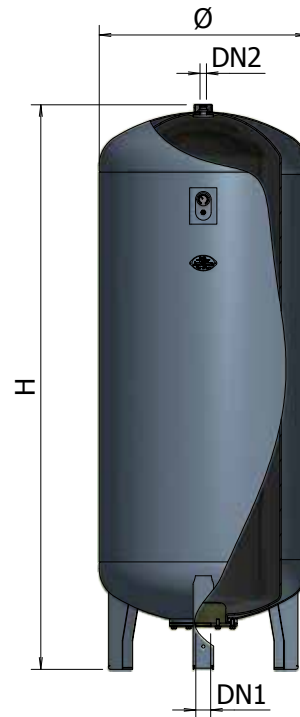


AF-CE

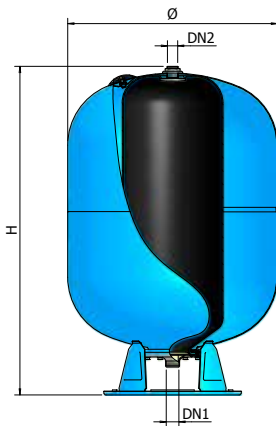
REPLACEABLE BLADDER AUTOCLAVES FOR SANITARY WATER

(35 - 500 LITRES)

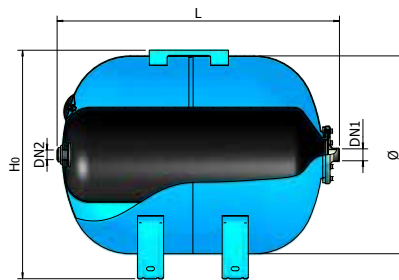
AFV 500 16 BAR



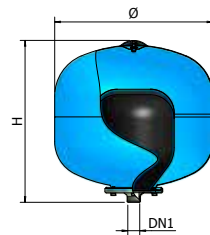
AFV 50 - 500



AFH 50 - 300



AF35



CE certified product

For drinking water

For pressurisation systems

The AF series replaceable bladder tanks are suitable for most residential and industrial installations where considerable water capacities are required. The standard version supplied is 10 bar. CE certified, the AF series autoclaves are also available in customized versions in compliance with the most important international standards. The horizontal version is equipped with an universal engine support bracket to allow the pump to be fastened directly above the tank.

Valve and gauge supplied on request, see "Accessories and Spare Parts" section.

Galvanized version available from 60 to 500 litres (see AFV-Z serie)

Characteristics:

- Working temperature: -10° / +99°C.
- Alimentary tested EPDM rubber bladder, with elastic characteristics to enable total expansion inside the tank to ensure the best performance and longer product life cycle.
- Epoxy powder paint with long duration for better protection against atmospheric agents. Blue. Model AFV 500 16 Bar, solvent-based paint, grey.
- Water and air completely separate.
- Water completely separate from metal parts of the tank.
- AFV 50 and AFH 50 models without tie rod

Reference standard:

Declaration of conformity to essential safety requirements specified in 2014/68/UE Directive.

WARRANTY: 2 YEARS

DIMENSIONS

MODEL	CODE	Ppre Pmax				DN1 DN2			mm	NOTES	
		LITRES	bar	bar	max	mm	mm	mm			
AF 35 CE	A032L31	35	2,5	10	+99°C	400	440	-	1"	-	410 x 410 x 410
AF 50 CE	A052L34	50	2,5	10	+99°C	400	525	-	1"	-	410 x 410 x 535
AFV 50 CE	A032L34	50	2,5	10	+99°C	400	570	-	1"	-	410 x 410 x 610
AFV 60 CE	A032L35	60	2,5	10	+99°C	400	700	-	1"	1/2"F 3/4"M	410 x 410 x 760
AFV 80 CE	A032L37	80	2,5	10	+99°C	400	810	-	1"	1/2"F 3/4"M	410 x 410 x 860
AFV 100 CE	A032L38	100	2,5	10	+99°C	500	740	-	1"	1/2"F 3/4"M	510 x 510 x 830
AFV 150 CE	A032L43	150	2,5	10	+99°C	500	945	-	1"	1/2"F 3/4"M	510 x 510 x 1040
AFV 200 CE	A032L47	200	2,5	10	+99°C	600	1035	-	1"1/4	1/2"F 3/4"M	610 x 610 x 1110
AFV 300 CE	A032L51	300	2,5	10	+99°C	650	1215	-	1"1/4	1/2"F 3/4"M	660 x 660 x 1290
AFV 500 CE	A032L55	500	2,5	10	+99°C	775	1360	-	1"1/4	1/2"F 3/4"M	785 x 785 x 1440
AFH 50 CE	A042L34	50	2,5	10	+99°C	400	420	505	1"	-	410 x 530 x 440
AFH 60 CE	A042L35	60	2,5	10	+99°C	400	485	650	1"	1/2"F 3/4"M	410 x 685 x 490
AFH 80 CE	A042L37	80	2,5	10	+99°C	400	485	745	1"	1/2"F 3/4"M	410 x 775 x 490
AFH 100 CE	A042L38	100	2,5	10	+99°C	500	580	680	1"	1/2"F 3/4"M	510 x 730 x 600
AFH 200 CE	A042L47	200	2,5	10	+99°C	600	685	960	1"1/4	1/2"F 3/4"M	610 x 950 x 680
AFH 300 CE	A042L51	300	2,5	10	+99°C	650	725	1145	1"1/4	1/2"F 3/4"M	660 x 1140 x 720
AFV 100 ₁₆ CE	A032R38	100	2,5	16	+99°C	500	740	-	1"	1/2"F 3/4"M	510 x 510 x 830
AFV 200 ₁₆ CE	A032R47	200	2,5	16	+99°C	600	1035	-	1"1/4	1/2"F 3/4"M	610 x 619 x 1110
AFV 300 ₁₆ CE	A032R51	300	2,5	16	+99°C	650	1215	-	1"1/4	1/2"F 3/4"M	660 x 660 x 1290
AFV 500 ₁₆ CE	A032R55	500	2,5	16	+99°C	650	1865	-	G 2"	1/2"F 3/4"M	-

For larger tanks see the DL series

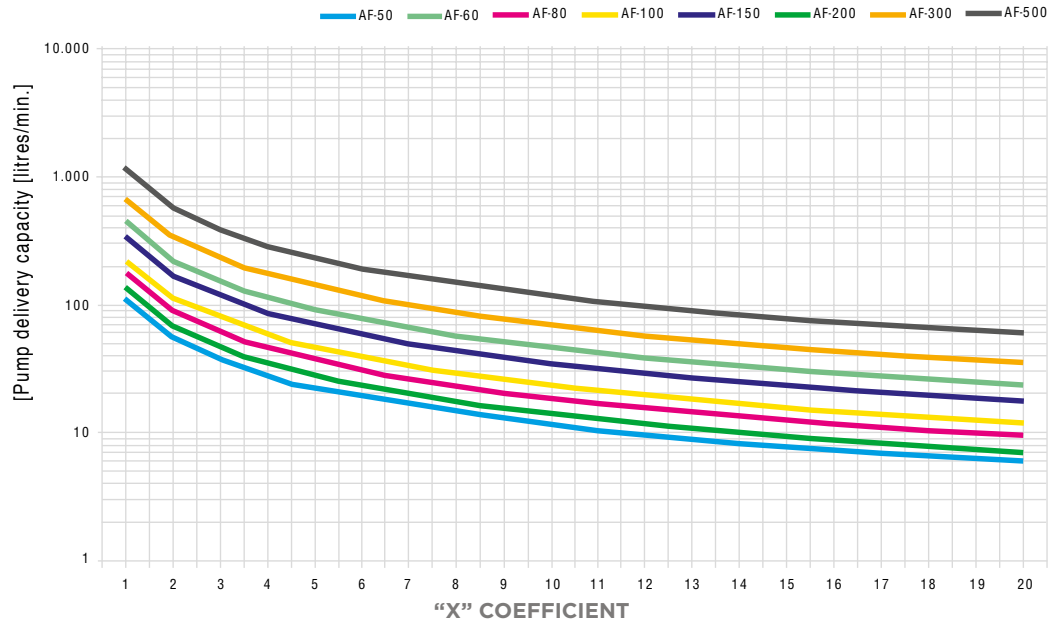
STAINLESS STEEL COUNTER-FLANGE VERSION

MODEL	CODE	Ppre Pmax				DN1 DN2			mm	NOTES	
		LITRES	bar	bar	max	mm	mm	mm			
AF 35 X	A032L31 WR000	35	2,5	10	+99°C	400	440	-	1"	-	410 x 410 x 410
AF 50 X	A052L34 WR000	50	2,5	10	+99°C	400	525	-	1"	-	410 x 410 x 535
AFV 50 X	A032L34 WR000	50	2,5	10	+99°C	400	570	-	1"	-	410 x 410 x 610
AFV 60 X	A032L35 WR000	60	2,5	10	+99°C	400	700	-	1"	1/2"F 3/4"M	410 x 410 x 760
AFV 80 X	A032L37 WR000	80	2,5	10	+99°C	400	810	-	1"	1/2"F 3/4"M	410 x 410 x 860
AFV 100 X	A032L38 WR000	100	2,5	10	+99°C	500	740	-	1"	1/2"F 3/4"M	510 x 510 x 830
AFV 150 X	A032L43 WR000	150	2,5	10	+99°C	500	945	-	1"	1/2"F 3/4"M	510 x 510 x 1040
AFV 200 X	A032L47 WR000	200	2,5	10	+99°C	600	1035	-	1"1/4	1/2"F 3/4"M	610 x 610 x 1110
AFV 300 X	A032L51 WR000	300	2,5	10	+99°C	650	1215	-	1"1/4	1/2"F 3/4"M	660 x 660 x 1290
AFV 500 X	A032L55 WR000	500	2,5	10	+99°C	775	1360	-	1"1/4	1/2"F 3/4"M	785 x 785 x 1440
AFH 50 X	A042L34 WR000	50	2,5	10	+99°C	400	420	505	1"	-	410 x 530 x 440
AFH 60 X	A042L35 WR000	60	2,5	10	+99°C	400	485	650	1"	1/2"F 3/4"M	410 x 685 x 490
AFH 80 X	A042L37 WR000	80	2,5	10	+99°C	400	485	745	1"	1/2"F 3/4"M	410 x 775 x 490
AFH 100 X	A042L38 WR000	100	2,5	10	+99°C	500	580	680	1"	1/2"F 3/4"M	510 x 730 x 600
AFH 200 X	A042L47 WR000	200	2,5	10	+99°C	600	685	960	1"1/4	1/2"F 3/4"M	610 x 950 x 680
AFH 300 X	A042L51 WR000	300	2,5	10	+99°C	650	725	1145	1"1/4	1/2"F 3/4"M	660 x 1140 x 720
AFV 100 ₁₆ X	A032R38 WR000	100	2,5	16	+99°C	500	740	-	1"	1/2"F 3/4"M	510 x 510 x 830
AFV 200 ₁₆ X	A032R47 WR000	200	2,5	16	+99°C	600	1035	-	1"1/4	1/2"F 3/4"M	610 x 619 x 1110
AFV 300 ₁₆ X	A032R51 WR000	300	2,5	16	+99°C	650	1215	-	1"1/4	1/2"F 3/4"M	660 x 660 x 1290

VERSION WITHOUT CE MARK

MODEL	CODE	Ppre Pmax				DN1 DN2			mm	NOTES	
		LITRES	bar	bar	max	mm	mm	mm			
AFV 100 ₁₆	A030R38 EXP00	100	2,5	16	+99°C	500	740	-	1"	1/2"F 3/4"M	510 x 510 x 830
AFV 200 ₁₆	A030R47 EXP00	200	2,5	16	+99°C	600	1035	-	1"1/4	1/2"F 3/4"M	610 x 619 x 1110
AFV 300 ₁₆	A030R51 EXP00	300	2,5	16	+99°C	650	1215	-	1"1/4	1/2"F 3/4"M	660 x 660 x 1290
AFV 500 ₁₆	A030R55 EXP00	500	2,5	16	+99°C	650	1865	-	G 2"	1/2"F 3/4"M	-

Bladder accumulator selection chart



To make sizing easier, a chart has been drawn up to select the most appropriate accumulator according to both working pressure and delivery criteria. Note that the chart is based on the following hypothesis: standard precharge and 15 pump starts per hour (see p. 27 to identify the "X" coefficient)

Maximum delivery capacity of the pump [litres/min.]	Δp System working pressure											
	1,5 - 3,0			2,0 - 3,5			2,5 - 4,0			2,5 - 4,0		
	Number of pump starts per hour											
	15	8	5	15	8	5	15	8	5	15	8	5
10		50	60	35	50	100	50	100	150	35	50	80
20	50	80	150	60	100	200	100	200	300	50	100	200
25	60	100	150	80	150	250	150	250	300	80	150	250
40	100	200	250	150	250	500	200	300	500	100	250	300
45	100	200	300	150	200	500	250	500	-	150	250	500
55	150	250	300	200	300	500	300	500	-	150	300	500
75	200	300	500	250	500	-	300	-	-	200	500	-
95	200	500	-	300	500	-	500	-	-	300	500	-
115	250	500	-	500	-	-	500	-	-	300	-	-
150	300	-	-	500	-	-	-	-	-	500	-	-
200	500	-	-	-	-	-	-	-	-	-	-	-

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