

ACF

Hot/cold storage for heat pumps



HEAT
SOURCE



HOT TECHNICAL
WATER STORAGE



COLD TECHNICAL
WATER STORAGE

Technical and construction features

ACF is a thermal accumulator for storing both hot and cold technical water, equipped with large connections to accommodate high flow rates.

The wide range of capacities, from 50 to 2000 liters, makes them suitable for use in both small domestic systems and medium-large ones. In addition to acting as a thermal accumulator, this device also acts as a hydraulic separator, making the heat source flow rate independent from that of the system in which it is installed.

The heat transfer fluid contained in the tank must operate in a "closed circuit" (i.e., oxygen-free) to prevent corrosion.

Insulated with anti-condensation insulation for low heat loss.

STORAGE TANK

- Material: S235 Jr carbon steel
- Raw internal protective treatment
- External protective treatment: painted with rust inhibitor and industrial enamel
- Maximum operating power: 6 bar
- Maximum operating temperature: 95°C
- Up to 50 liters: Rigid polyurethane, 1.5 mm thick 20 mm + PVC: Fire resistance class B3 (DIN 4102)
- Up to 1,000 L: Rigid polyurethane, 50 mm thick + PVC: Fire resistance class B3 (DIN 4102)
- Up to 2,000 L: Pexl + flexible polyester + PVC: Fire resistance class B2 (DIN 4102)

REFERENCE STANDARD

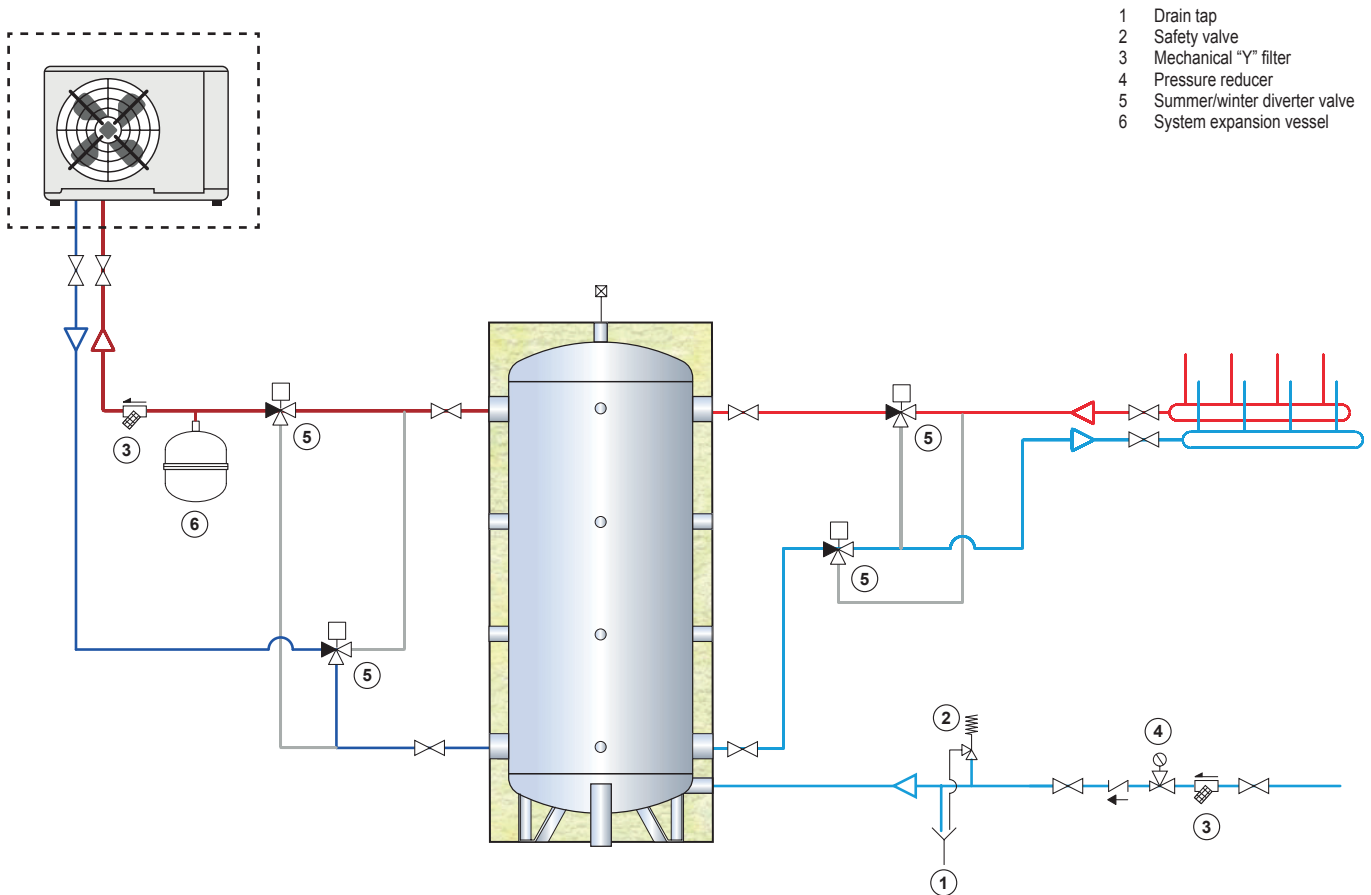
- Directive 2014/68/EU (PED) Art. 4 Par. 3 (Pressure Equipment)
- Directive 2009/125/EC (Energy-related Products)

Model	Real capacity Litres	Dispersion S W	Code	€
ACF 50	47,0	55,8	37306118	540,00
ACF 100	97,0	46,0	37306119	640,00
ACF 200	189,3	58,9	37306120	710,00
ACF 300	298,8	68,1	37306130	880,00
ACF 500	499,8	80,5	37306150	1.000,00
ACF 800	749,3	117,5	37306160	1.480,00
ACF 1000	931,0	130,4	37306170	1.660,00
ACF 1500	1472,4	163,8	37306180	2.530,00
ACF 2000	1950,0	181,2	37306190	3.180,00

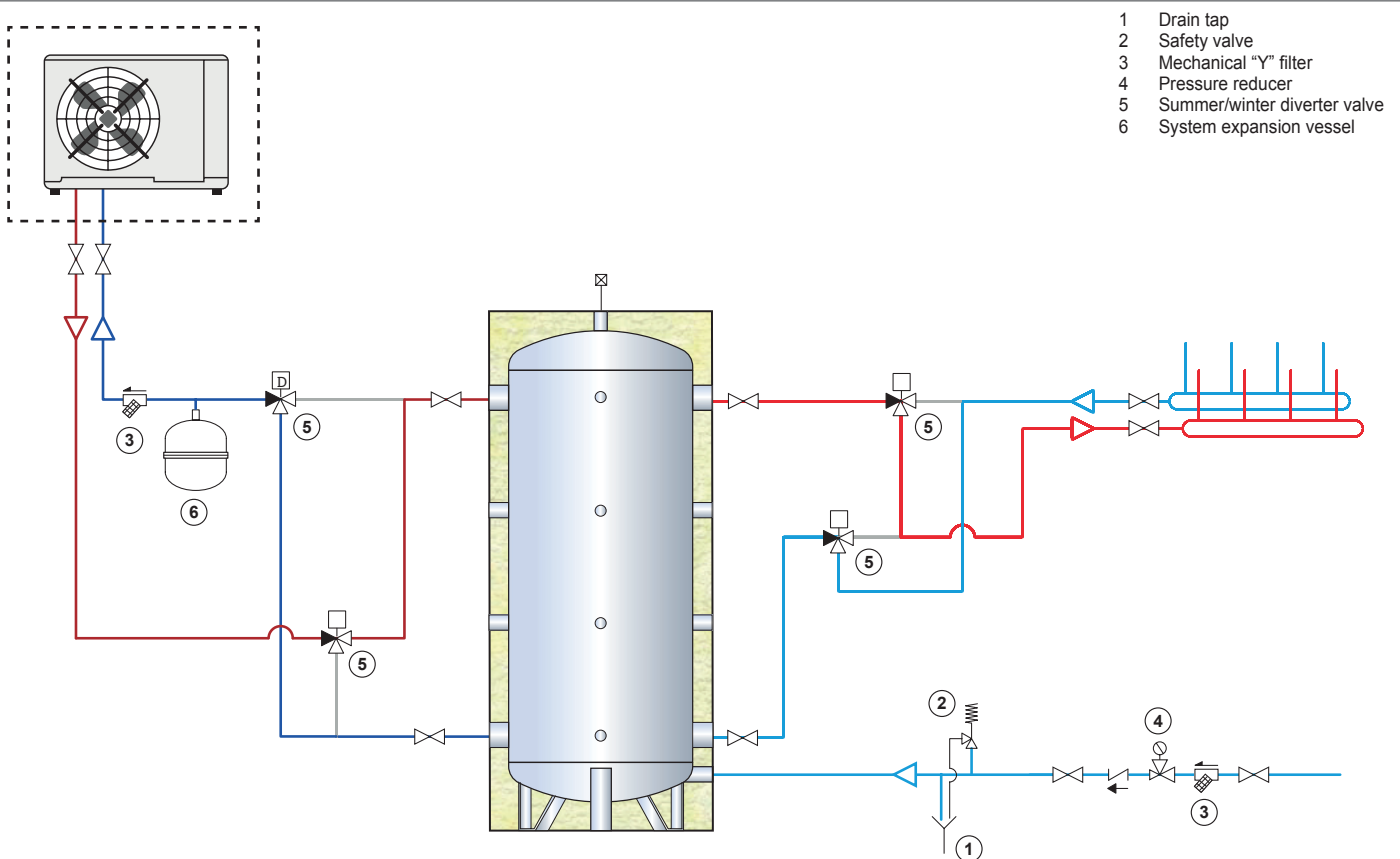
CF accessories

	Hot water thermostat with 1/2" well, L 100 mm	75060403	76,00
	Hot water thermometer with 1/2" well, L 100 mm	75060404	26,00
	Single-phase 230 V integrative electric resistance on 1.5" connection	mod. 1500 W - 1" 1/4	200,00
		mod. 2000 W - 1" 1/2	220,00
		mod. 3000 W - 1" 1/2	240,00

ACF principle diagram for summer operation

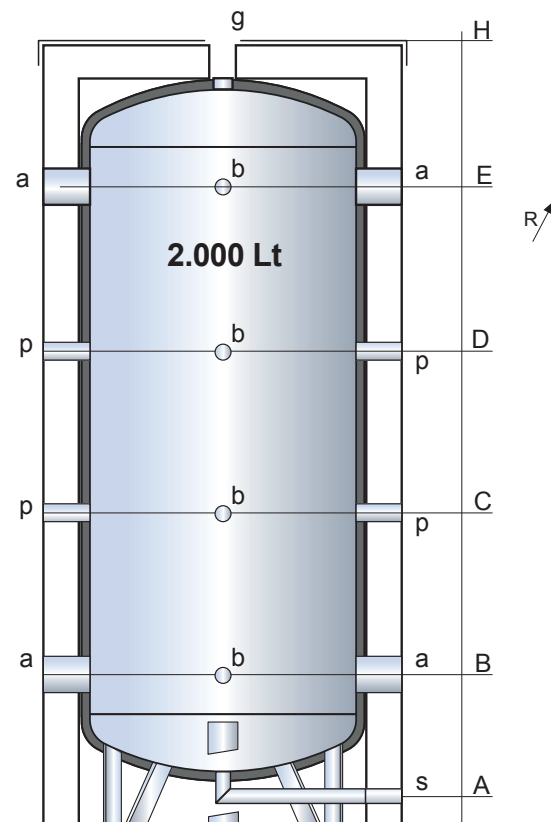
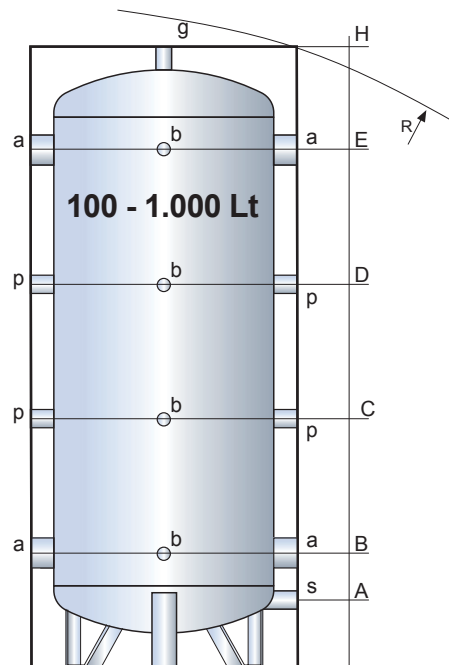
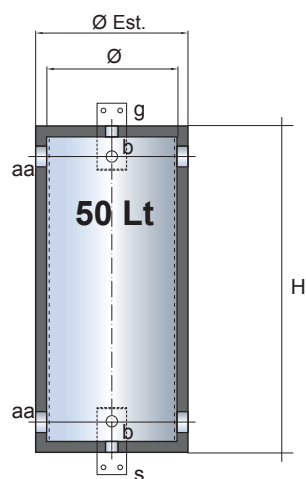


ACF principle diagram for winter operation



ACF Dimensions

- a** Inlet/Outlet
- b** Control instruments
- g** Vent/Safety valve
- p** Service connection
- s** Drain



DESCRIPTION	DIMENSIONS (mm)				
	Ø	H	Ø EXT **	R *	Weight Kg
ACF 50	300	750	350	-	18
ACF 100	400	915	500	1055	31
ACF 200	450	1330	550	1450	33
ACF 300	500	1610	600	1730	42
ACF 500	650	1665	750	1840	68
ACF 800	790	1700	890	1930	86
ACF 1000	790	2060	890	2255	102
ACF 1500	1000	2145	1280	2235	147
ACF 2000	1100	2395	1380	2465	212

* Per le capacità da 200 a 1000 Lt la diagonale di ribaltamento è riferita al serbatoio coibentato

** Isolamento non rimovibile tranne per le capacità 1500 - 2000 Lt (rimovibile solo isolamento in poliestere da 130 mm)

DESCRIPTION	QUOTES (mm)					ATTACKS (GAS)				
	A	B	C	D	E	a	b	g	p	s
ACF 50	-	-	-	-	-	1" 1/4	1/2"	1/2"	-	1/2"
ACF 100	105	210	380	545	710	1" 1/2	1/2"	1" 1/4	1" 1/2	1"
ACF 200	135	220	510	805	1095	2"	1/2"	1" 1/4	1" 1/2	1"
ACF 300	125	275	625	975	1320	3"	1/2"	1" 1/4	1" 1/2	1"
ACF 500	155	305	655	1005	1350	3"	1/2"	1" 1/4	1" 1/2	1"
ACF 800	170	320	670	1020	1365	3"	1/2"	1" 1/2	1" 1/2	1"
ACF 1000	170	320	785	1250	1710	3"	1/2"	1" 1/2	1" 1/2	1"
ACF 1500	110	485	915	1350	1780	3"	1/2"	1" 1/2	1" 1/2	1"
ACF 2000	100	490	1020	1550	1985	1/2"	1" 1/2	1" 1/2	1" 1/2	1"