

ACF - Hot Cold Storage



Thermal flywheel for the storage of technical water both hot and cold, accompanied by attacks of large size to allow the outflow of high flow capacities. Suitable for systems with heat pumps. Insulated with anti-condensing insulation with low external temperatures.

The thermal fluid contained in the tank must operate "closed loop" (without oxygen), this to avoid corrosion.

TECHNICAL CHARACTERISTICS

Tank	Material:	S 235 Jr
	Internal protective processing:	Rough
	External protective processing:	Painting with anti rust and industrial enamel
	Operation (P max. / T max.):	6 bar / da -10°C a +95°C
General characteristics	Capacity:	200 - 2000 Lt
	Warranty:	5 years
	Insulation:	- Rigid polyurethane + pvc: <i>Fire resistance class B3 (DIN 4102)</i> - PEXL+ Flexible polyestere +pvc: <i>Fire resistance class B2 (DIN 4102)</i>
	Reference legislation:	- PED 14/68/UE Art. 4 Par. 3 - Directive 2009/125/CE (Energy related Products)

FITTINGS
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Electronic control unit



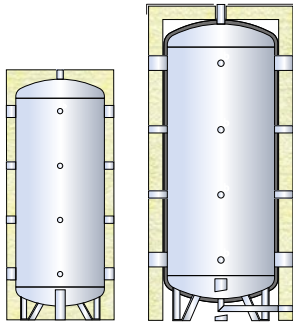
Electrical resistance 1 1/2 connection



Thermostat



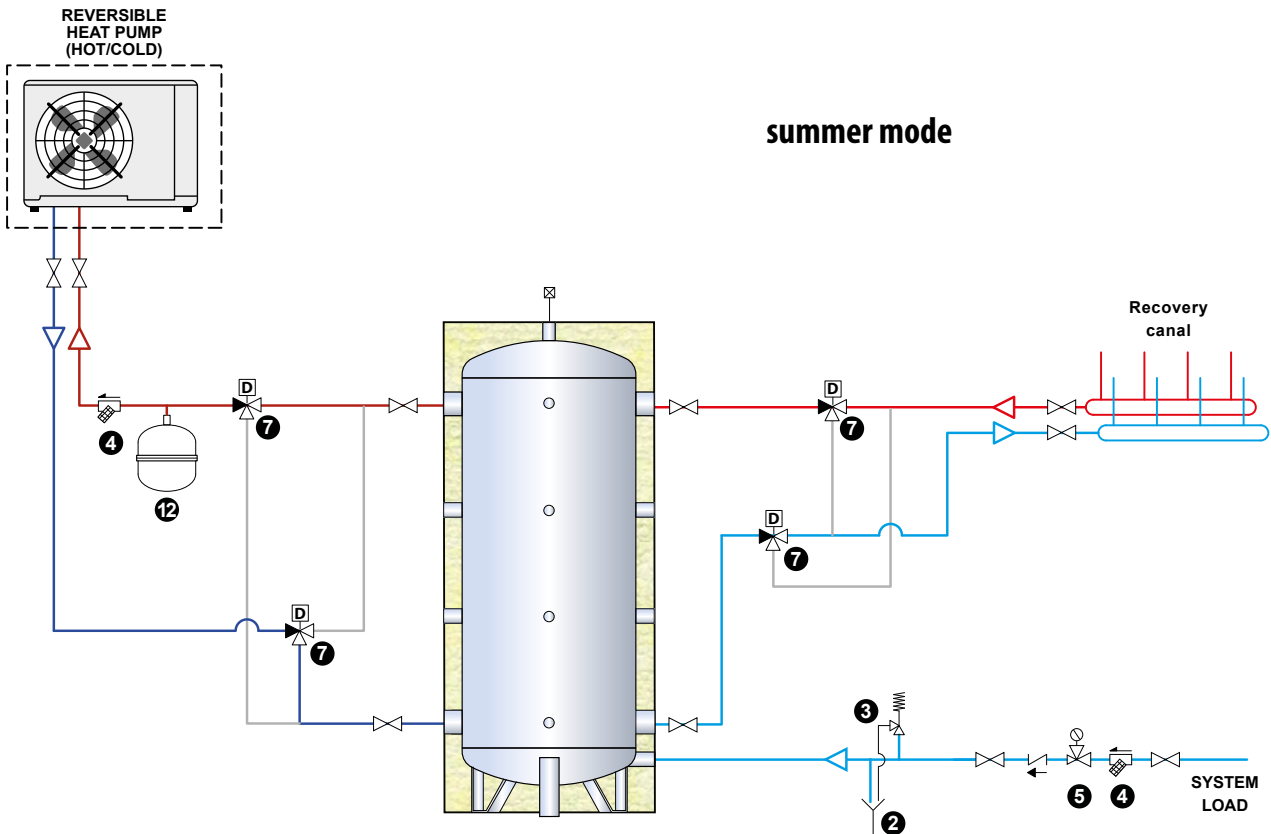
Thermometer



ACF - Inertial storage Hot/Cold Black Steel					
Rigid Polyurethane insulation thick. 50 mm + pvc			PEXL insulation thick. 10mm+pvc Flexible Polyester insulation thick. 100mm + pvc		
Code	ErP	€	Code	ErP	€
ACF 00200 R	C	-	-	-	-
ACF 00300 R	C	-	-	-	-
ACF 00500 R	C	-	-	-	-
ACF 00800 R	C	-	-	-	-
ACF 01000 R	C	-	-	-	-
-	-	-	ACF 01500 PF	D	-
-	-	-	ACF 02000 PF	D	-

For bigger capacities require estimate.
Request estimate for the horizontal version.

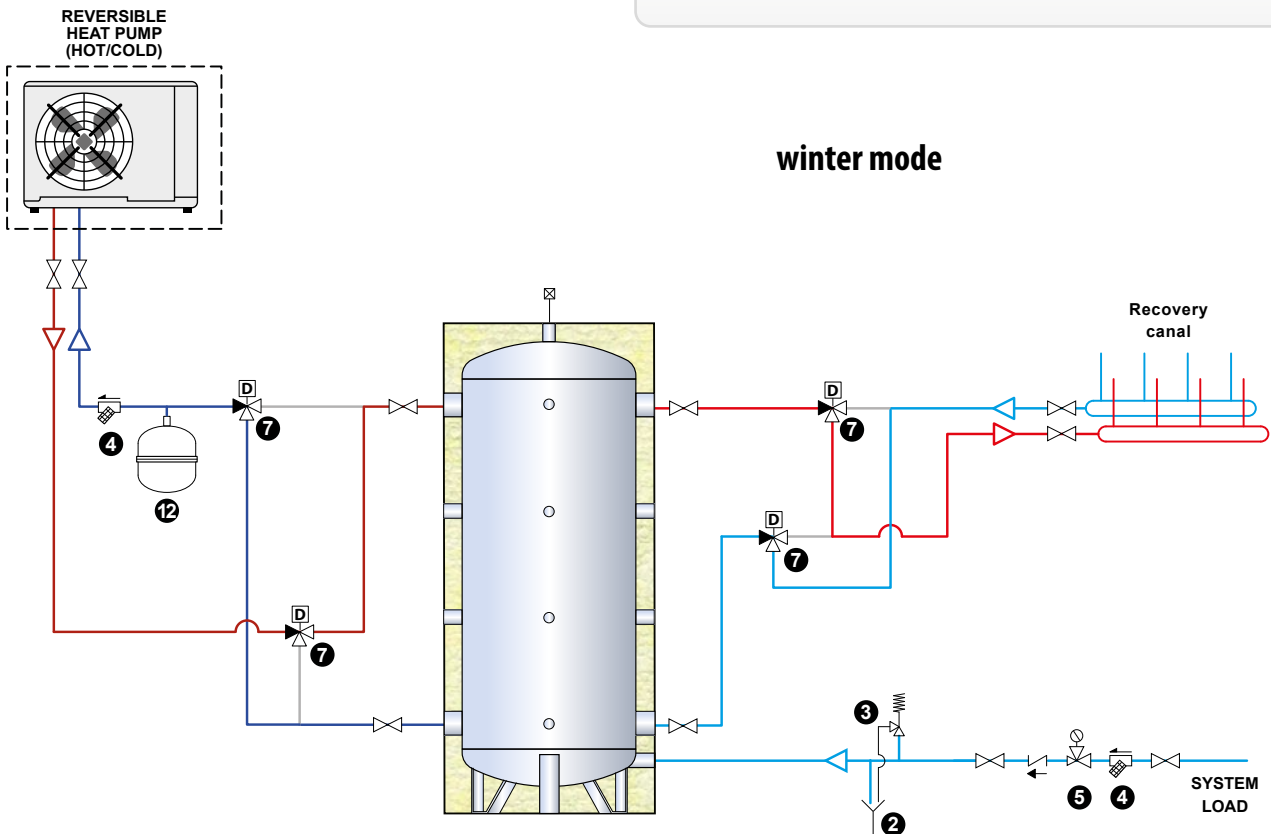
Caution: Indicative Schematic diagram, not substitutive for project work.



summer mode

LEGEND

2. Discharge	5. Pressure reducer
3. Safety valve	7. Switching valve summer/winter
4. Dirt filter	12. Plant expansion tank

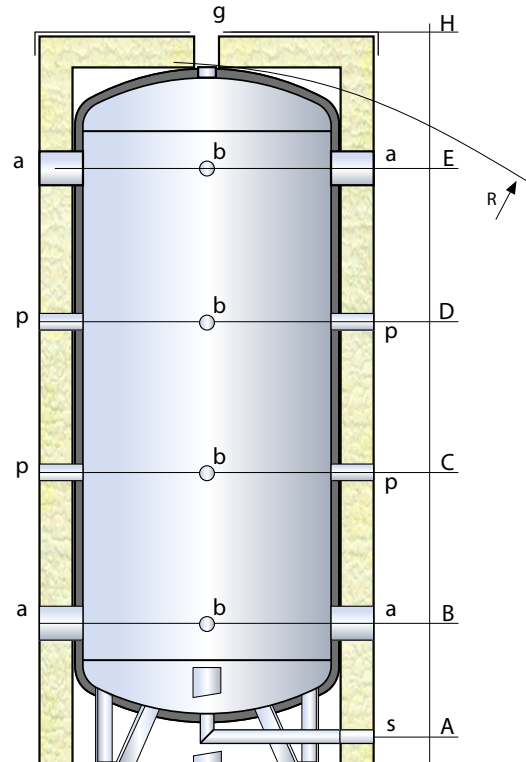
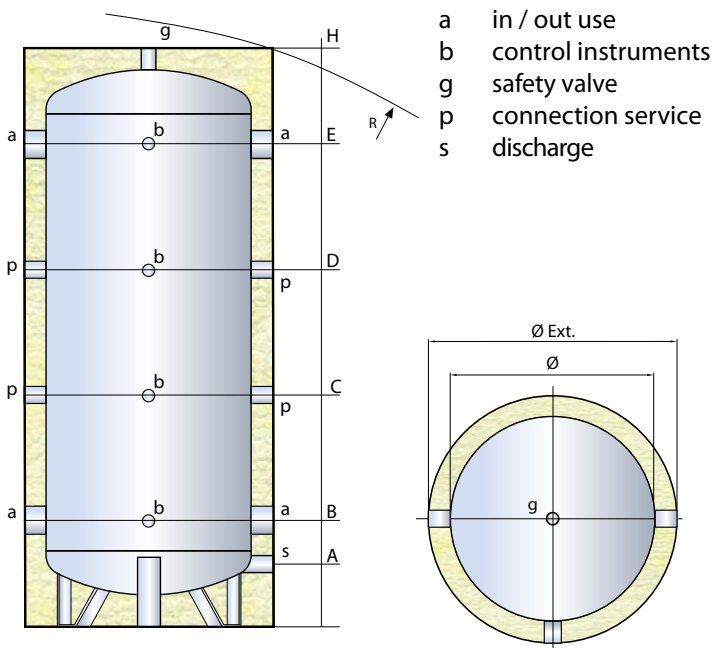


winter mode

For the purposes of the Directive (ErP) 2009/125 / EC Regulation N° 812/2013 and N° 814/2013 the results of the energy measurements are given on page 231

200 - 1000 Lt

1500 - 2000 Lt



Model	Dimensions (mm)				Weight (Kg)
	Ø	H	Ø Ext	R*	
ACF 00200R	450	1330	550	1450	33
ACF 00300R	500	1610	600	1730	42
ACF 00500R	650	1665	750	1840	68
ACF 00800R	790	1700	890	1930	86
ACF 01000R	790	2060	890	2255	102
ACF 01500PF	1000	2145	1220	2235	147
ACF 02000PF	1100	2365	1320	2465	212

* For capacities from 200 to 1000 Lt the diagonal of rollover is referred to the insulated tank
 Insulation not removable except for capacities 1500-2000 Lt (only 100 mm removable insulation)

Model	Quotes (mm)					Connections (gas)				
	A	B	C	D	E	a	b	g	p	s
ACF 00200R	135	220	510	805	1095	1"1/2	1/2"	1"1/4	1"1/2	1"
ACF 00300R	125	275	625	975	1320	2"	1/2"	1"1/4	1"1/2	1"
ACF 00500R	155	305	655	1005	1350	3"	1/2"	1"1/4	1"1/2	1"
ACF 00800R	170	320	670	1020	1365	3"	1/2"	1"1/2	1"1/2	1"
ACF 01000R	170	320	785	1250	1710	3"	1/2"	1"1/2	1"1/2	1"
ACF 01500PF	110	485	915	1350	1780	3"	1/2"	1"1/2	1"1/2	1"
ACF 02000PF	100	490	1020	1550	1985	3"	1/2"	1"1/2	1"1/2	1"

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Technical water
 thermal accumulators