

SAP

Storage tank

- Accumulation unit from 75 to 3500 litres



DESCRIPTION

Accumulation unit - completely assembled pump to be used with a refrigerating unit with hydraulic connections to be made on site by the installer.

FEATURES

- The base the structure and the panels are made of galvanized steel treated with polyester paint RAL 9003.
- Pumps
- Pressure relief valve
- Completely insulated hydraulic circuit
- Pump magnet circuit-breaker protection

Pumps

SAP 0075 - 0150:

5 pump models with water capacity up to 18000 l/h and with prevalence up to 140 kPa are available (max. 2 internally installed pumps).

SAP 0300 - 0500 - 0501 - 0750 - 1000:

8 pump models with water capacity up to 60000 l/h and with prevalence up to 200 kPa are available.

Pumping units with a reserve pump can also be included in these units.

SAP 1500 - 2000 - 3000:

10 pump models with water capacity up to 200000 l/h and with prevalence up to 300 kPa are available.

Pumping units with a reserve pump can also be included in these units.

ACCESSORIES

VT: Anti-vibration supports.

AVX: Spring anti-vibration supports.

RX: 500 W armoured resistance, with thermostat and inserted in a dedicated fitting, it can be installed only at the factory.

RXV: 3kW armoured resistance, with thermostat and inserted in a dedicated fitting, it can be installed only at the factory.

Accessories compatibility

Antivibration

Accessory	SAP0075	SAP0150	SAP0300	SAP0500	SAP0501	SAP0750	SAP1000
VT2			*	*	*	*	*
VT8	*	*					

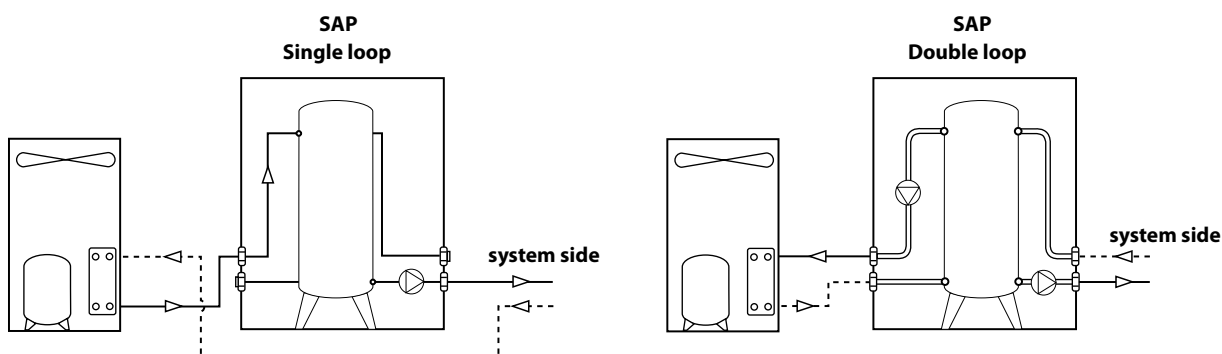
Antivibration

Ver	1500	2500	3500
IS, JS, KS	AVX206	AVX210	AVX214
IZ, JZ, KZ	AVX203	AVX208	AVX212
RS, WZ	AVX202	AVX208	AVX212
RZ, TZ	AVX201	AVX207	AVX211
TS	AVX204	AVX208	AVX212
US	AVX204	AVX208	AVX213
UZ, VZ, ZZ	AVX201	AVX207	AVX212
VS	AVX204	AVX209	AVX213
WS, XS, YS	AVX205	AVX209	AVX213
XZ, YZ	AVX202	AVX207	AVX212

Resistance

Accessory	SAP0075	SAP0150	SAP0300	SAP0500	SAP0501	SAP0750	SAP1000	SAP1500	SAP2500	SAP3500
RX	*	*	*	*	*	*	*			
RXV								*	*	*

EXAMPLE OF A HYDRAULIC CONNECTION



TECHNICAL DATA

		SAP0075	SAP0150	SAP0300	SAP0500	SAP0501	SAP0750	SAP1000	SAP1500	SAP2500	SAP3500
Accumulation inertial											
Storage tank capacity	l	75	150	300	500	500	750	1000	1500	2500	3500
Pressure relief valve	n°/bar	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6
Expansion vessel											
Expansion vessel capacity	l	8	12	18	24	24	18	18	24	24	24
Expansion vessel number	no.	1	1	1	1	1	2	2	2	3	3
Hydraulic connections											
Connections (in/out)	Type	F	F	F	F	F	F	F	-	-	-
Sizes (in/out)	Ø	1" 1/4	1" 1/2	2"	2" 1/2	2" 1/2	3"	3"	-	-	-

Flanges diameter (SAP 1500-2500-3500)

Flanges diameter - without pumps (ZZ)

SAP		1500	2500	3500
ZZ	DN	125	150	200

Pumps flanges diameter

Pump												
SAP	Flange		R	T	U	V	X	Y	W	K	J	I
1500	PN16UNI2278	DN	125	125	150	150	150	150	200	200	200	200
2500	PN16UNI2279	DN	125	125	150	150	150	150	200	200	200	200
3500	PN16UNI2280	DN	125	125	150	150	150	150	200	200	200	200

PUMP ELECTRIC DATA

Pump												
		A	B	C	E	F	G	H	I	J	K	L
Max absorbed power	W		330				1550	2050				
Max absorbed current	A	0,5	0,7	1,1	1,6	1,9	2,8	3,6	43,0	36,4	30,0	5,6
		M	N	P	Q	R	T	U	V	W	X	Y
Max absorbed power	W	4100	1470	2600	5200		5200					
Max absorbed current	A	7,2	2,6	4,4	8,8	8,5	11,5	15,5	15,5	22,5	22,5	22,5

PUMP COMBINATIONS

Pump combinations												
SAP0075	AZ	AE	AF	AZ	BC	BE	BF	BZ	ZC	ZE	ZF	ZZ
SAP0150	AC	AE	AF	AZ	BC	BE	BF	BZ	CC	EC	CF	CZ
	AE	EE	EF	EZ	BF	FE	FF	FZ	ZC	ZE	ZF	ZZ
SAP0300						CS	CZ	ES	EZ	FS	FZ	ZZ
SAP0500				FS	FZ	GS	GZ	HS	HZ	PS	PZ	ZZ
SAP0501				FS	FZ	GS	GZ	HS	HZ	PS	PZ	ZZ
SAP0750				FS	FZ	GS	GZ	HS	HZ	LS	LZ	MS
					MZ	NS	NZ	PS	PZ	QS	QZ	ZZ
SAP1000				LS	LZ	MS	MZ	NS	NZ	QS	QZ	ZZ
SAP1500		IS	IZ	JS	JZ	KS	KZ	RS	RZ	TS	TZ	US
			UZ	VS	VZ	WS	WZ	XS	XZ	YS	YZ	ZZ
SAP2500		IS	IZ	JS	JZ	KS	KZ	RS	RZ	TS	TZ	US
			UZ	VS	VZ	WS	WZ	XS	XZ	YS	YZ	ZZ
SAP3500		IS	IZ	JS	JZ	KS	KZ	RS	RZ	TS	TZ	US
			UZ	VS	VZ	WS	WZ	XS	XZ	YS	YZ	ZZ

The indicated combinations are the only ones foreseen, many capacity/prevalence combinations are available, we invite you to refer to the technical documentation.

A - B: Multi-speed circulators.

L - M - Q: Twin pumping unit.

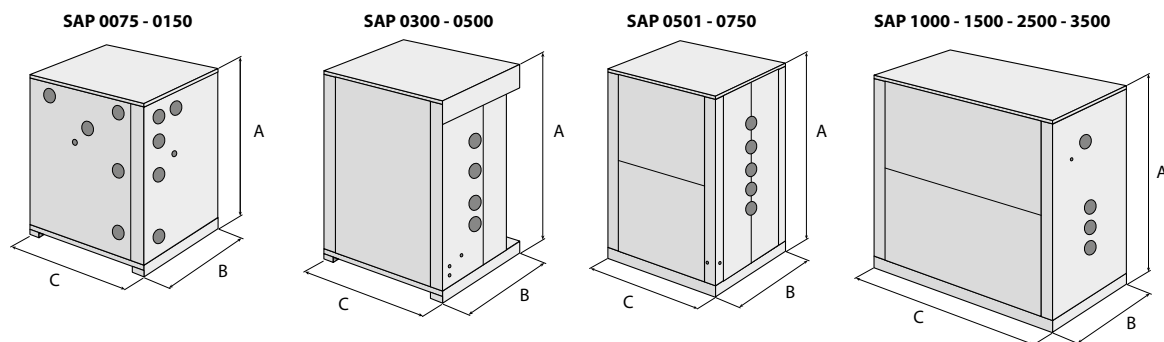
S: Pumping unit with reserve pump.

Z: Pump not present.

The first letter of the combination indicates the pump on the primary circuit.

The second letter of the combination indicates the pump on the secondary circuit.

DIMENSIONS



		SAP0075	SAP0150	SAP0300	SAP0500	SAP0501	SAP0750	SAP1000	SAP1500	SAP2500	SAP3500
Dimensions and weights											
A	mm	1000	1000	1650	1650	1968	1968	2049	2049	2049	2049
B	mm	1000	1000	1100	1100	1000	1000	1000	1750	2000	2300
C	mm	700	700	1100	1100	1550	1550	2200	2200	2200	2200
Empty weight	kg	120	135	190	230	310	400	445	510	655	730

The weight of the unit without ZZ pumps.

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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