

## COALESCENT HORIZONTAL OIL SEPARATOR



	Maximum suction volume flow (m <sup>3</sup> /h)				
	High Temperature range		Medium Temperature range		Low Temperature range
	R134a	R404A / R507A	R134a	R404A / R507A	
SACH 333L	1158	840	1317	1180	1317
SACH 385L	1319	1179	1317	1317	1317
SACH 655L	2050	1900	2300	2100	2500
SACH 900L	2200	2080	2420	2250	2500
SACH 1450L	2536	2484	2689	2586	2856
SACH 2024L	2888	2905	2970	2938	3114



	Maximum suction volume flow (m <sup>3</sup> /h)		
	High Temperature range	Medium Temperature range	Low Temperature range
	SACH 333L-NH <sub>2</sub>	640	899
SACH 385L-NH <sub>2</sub>	959	1317	1319
SACH 655L-NH <sub>2</sub>	1452	2050	2498
SACH 900L-NH <sub>2</sub>	1899	2245	2605
SACH 1450L-NH <sub>2</sub>	2481	2587	2855
SACH 2024L-NH <sub>2</sub>	2900	2940	3117

32 BAR -10/120°C	Code Código	Ø (mm)	L	IN Refrigerant Entrada Refrigerante	OUT Refrigerant Salida Refrigerante	Oil Outlet Salida de aceite (2ª etapa) + Vortex	Oil Outlet Salida de aceite (3ª etapa)	Oil Inlet	Heater Resistencia	Termostat	Level Detector Nivel	Service Servicio	Safety Seguridad	Sightglass Visores
SACH 333L	112.001	508	1959	DN100 (Ø114,3)	DN100 (Ø114,3)				3					
SACH 385L	112.002	508	2199											
SACH 655L	112.003	610	2569			Rotalock 1.3/4" + Vortex	Termosi- fon + 1/4" NPT	1/2" NPT		3/4" NPT	Rotalock 1.3/4"	1/4" NPT		2
SACH 900L	112.004	610	3356	DN125 (Ø139,7)	DN125 (Ø139,7)				4					
SACH 1450L	112.005	813	3130											
SACH 2024L	112.006	914	3499											

ACCESORIOS INCLUIDOS / ACCESORIOS INCLUIDOS			
OIL THERMOSTAT TERMOSTATO DE ACEITE	OIL HEATER (0.04 Tons) RESISTENCIAS (140W)	ELECTRONICAL OIL LEVEL DETECTOR DETECTOR DE NIVEL ELECTRÓNICO	SERVICE VALVE VÁLVULA DE SERVICIO
A-005071	A-005074 (140W)	A-005240	A-005016

32 BAR -10/120°C	Code Código	Ø (mm)	L	IN Refrigerant Entrada Refrigerante	OUT Refrigerant Salida Refrigerante	Oil Outlet Salida de aceite (2ª etapa) + Vortex	Oil Outlet Salida de aceite (3ª etapa)	Oil Inlet	Heater Resistencia	Termostat	Level Detector Nivel	Service Servicio	Safety Seguridad	Sightglass Visores
SACH 333L-NH <sub>2</sub>	112.007	508	1959	DN100 (Ø114,3)	DN100 (Ø114,3)				3					
SACH 385L-NH <sub>2</sub>	112.008	508	2199											
SACH 655L-NH <sub>2</sub>	112.009	610	2569			Rotalock 1.3/4" + Vortex	Termosi- fon + 1/4" NPT	1/2" NPT		3/4" NPT	Rotalock 1.3/4"	1/4" NPT		2
SACH 900L-NH <sub>2</sub>	112.010	610	3356	DN125 (Ø139,7)	DN125 (Ø139,7)				4					
SACH 1450L-NH <sub>2</sub>	112.011	813	3130											
SACH 2024L-NH <sub>2</sub>	112.012	914	3499											

ACCESORIOS INCLUIDOS / ACCESORIOS INCLUIDOS		
OIL THERMOSTAT TERMOSTATO DE ACEITE	OIL HEATER (0.04 Tons) RESISTENCIAS (140W)	ELECTRONICAL OIL LEVEL DETECTOR DETECTOR DE NIVEL ELECTRÓNICO
A-005071	A-005074 (140W)	A-005240

### INSTALLATION

#### Movement and elevation instructions:

- 1- The container incorporates rings (1-2), for lifting.
- 2- Use the lifting means recommended for this load, following the recommendations of the manufacturers of the different lifting accessories.
- 4- Do not move in case of any doubt.
- 5- Arrange in a place free of obstacles and well leveled.
- 6- The container incorporates a ring to raise the flange (3). Do not use to raise the container.

#### Instructions prior to installation:

- 1- Make sure that the component has no impact or visual defect.
- 2- Eliminate the possible obstacles, both horizontal and vertical.
- 3- Have the minimum recommended area to carry out maintenance tasks
- 4- Use the rings 1-2 for their movement.
- 5- Do not use the ring 3 as a lifting element.
- 6- Ring 3 is to raise the flange.

#### Replacement or access to the filters for checking:

- 1- It is done by removing the flange
- 2- Make sure there is no pressure inside the component.
- 3- Loosen and unscrew the screws, in the opposite direction of tightening (see figures).
- 4- Remove the flange.
- 5- Loosen and remove the nuts of the filters.
- 6- Move back the filters farther away, to facilitate space of the fronts.
- 7- Without making any effort, slightly move the filters backwards and remove the filters one by one.

### Screw Tightening Method:

When applying the tightening this is done in a unitary and sequential way, in the figures you can check a logical sequence:



- 1º- Lightly lubricate the screws.
- 2º- Tighten with a key until there are 2 - 3 steps of thread on the nut.
- 3º - Tighten each screw to one third of the required final tightening torque following the diagram.
- 4º- Increase the tightening torque up to two thirds following the diagram.
- 5º- Increase the tightening torque to the total torque following the diagram.
- 6º- Perform the final torque on each screw in a clockwise direction from the 16th screw- until the end.

### Tightening torque:

Screw	Tightening torque (m/kgf)
M24	55 - 60
M30	110 - 120

### Recommendations:

- 1º- Make sure that the component has not suffered any damage.
- 2º- Carry out a leak test before the start-up of the system, this will make it possible to identify any transport damage, manipulation, tensions, etc., that are not desired.
- 3º Check the filters 48 hours after start-up.
- 4º Check the filters after six months of operation, the differential pressure of the filter should not exceed 500mbar.
- 5º Change the filters in case of apparent dirt or if the previous differential pressure has been exceeded.
- 6º If we find dirt in the container, perform a deep cleaning.

### Minimum Free Height:

	Height Filter (mm)
SACH-333L / SACH-385L	462
SACH-655L / SACH-900L	680
SACH-1450L	680
SACH-2024L	680

# TECNAC

<p>CONVENTIONAL OIL SEPARATORS SEPARADORES DE ACEITE CONVENCIONALES</p> <p>SECTIONAL OIL SEPARATORS SEPARADORES DE ACEITE DESMONTABLES</p>	<p>HIGH PRESSURE OIL SEPARATOR VESSEL RECIPIENTE SEPARADOR DE ACEITE DE ALTA PRESIÓN</p> <p>OIL SEPARATORS SEPARADORES DE ACEITE COALESCENTES</p>	<p>COMBINED OIL SEPARATOR SEPARADOR DE ACEITE COMBINADO</p>	<p>OIL RECEIVERS RECIPIENTES DE ACEITE</p>
 <p>HFC CO<sub>2</sub></p> <p>HFC CO<sub>2</sub></p>	 <p>HFC R717 R410a CO<sub>2</sub> CO<sub>2</sub> 130 bar</p>	 <p>HFC R717</p>	 <p>HFC R410a CO<sub>2</sub> CO<sub>2</sub> 130 bar</p>
<p>PRIMARY OIL SEPARATOR FOR SCREW COMPRESSORS AND COALESCENT SEPARADORES DE ACEITE COALESCENTES PRIMARIOS PARA COMPRESOR DE TORNILLO</p>	<p>SUCTION ACCUMULATOR (WITH AND WITHOUT HEAT EXCHANGER) ACUMULADORES DE ASPIRACIÓN (CON Y SIN INTERCAMBIADOR)</p>	<p>LIQUID RECEIVER FOR NH<sub>3</sub> / RECIPIENTES DE LÍQUIDO PARA NH<sub>3</sub> SUCCION SEPARATORS FOR NH<sub>3</sub> / SEPARADOR DE ASPIRACIÓN PARA NH<sub>3</sub> SUBCOOLING SEPARATORS FOR NH<sub>3</sub> / SEPARADOR SUBENFRIADOR PARA NH<sub>3</sub></p>	<p>SAFETY VALVES AND SERVICE VALVES VÁLVULAS DE SERVICIO Y SEGURIDAD</p>
 <p>HFC R717</p>	 <p>HFC R410 CO<sub>2</sub> CO<sub>2</sub> 130 bar</p>	 <p>R717 NEW PRODUCT</p>	 <p>HFC R717 R410a CO<sub>2</sub> CO<sub>2</sub> 130 bar</p>
<p>LIQUID RECEIVERS RECIPIENTES DE LÍQUIDO</p>	<p>MUFFLERS SILENCIADORES DE DESCARGA</p>	<p>ANTIVIBRATORS / ANTIVIBRADORES LIQUID LEVEL ELECTRICAL GAUGE / DETECTOR DE NIVEL ELÉCTRICO BALL VALVES / VÁLVULAS DE BOLA ROTALOCK VALVES / VÁLVULAS ROTALOCK</p>	
 <p>HFC R410</p>	 <p>HFC CO<sub>2</sub> CO<sub>2</sub> 130 bar</p>	 <p>HFC R717 R410a CO<sub>2</sub> HFC R410a CO<sub>2</sub> HFC R410a CO<sub>2</sub> HFC R717 CO<sub>2</sub> CO<sub>2</sub> 130 bar CO<sub>2</sub> 130 bar</p>	
<p>RECEIVERS STATIONS ESTACIONES DE RECIPIENTES</p>	<p>RECEIVERS CO<sub>2</sub> RECIPIENTES CO<sub>2</sub></p>	<p>ELECTRONICAL LEVEL REGULATOR REGULADOR DE NIVEL ELECTRÓNICO</p>	<p>CONDENSERS AND EVAPORATORS CONDENSADORES Y EVAPORADORES</p>
 <p>HFC</p>	 <p>CO<sub>2</sub> CO<sub>2</sub> 130 bar</p> <p>www.tecnac.net</p>	 <p>HFC R410a R717 CO<sub>2</sub> CO<sub>2</sub> 130 bar</p>	 <p>HFC</p> <p>www.tecnac.net</p>