

## COALESCENT OIL SEPARATOR FOR SCREW COMPRESSORS



### INSTALLATION

#### Movement and elevation instructions:

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

#### Instructions prior to installation:

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

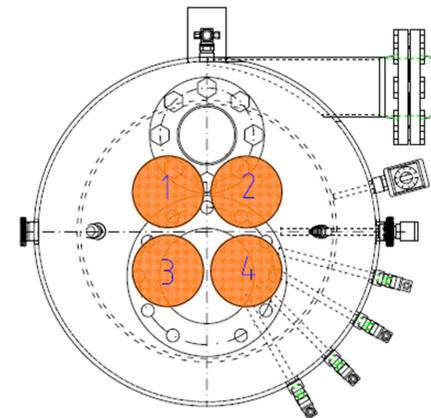
32 bar -20/100°C	SAPC-40L-NH <sub>3</sub>	SAPC-90L-NH <sub>3</sub>	SAPC-140L-NH <sub>3</sub>	SAPC-250L-NH <sub>3</sub>	SAPC-320L-NH <sub>3</sub>
	III	IV	IV	IV	IV
CODE	36.007	36.008	36.009	36.029	36.012
Kg	95	220	321	505	605
∅ (mm)	323	508	610	813	813
C (mm)	974	1222	1174	1086	1585
L (mm)	1262	1685	1667	1564	2063
TOTAL VOLUME (L)	80	228	385	655	900
OIL VOLUME (L)	40	90	140	250	320
Nº MAX COMPRESSORS	3	6			
Nº OIL HEATER	2	3	4		
REFRIGERANT INLET	DN 65	DN 100	DN 125		
REFRIGERANT OUTLET	DN 65	DN 100	DN 125		
SAFETY VALVE	1/2" NPT 2 X 1/2" NPT				
OIL OUTLET	Adapter 1 3/4" X 1 3/8" ODS (DN32)	Adapter 2 1/4" X 1 5/8" ODS (DN40)	Adapter 2 1/4" X 2 1/8" ODS (DN50)	3 1/8" ODS (DN80)	
OIL FILLING INLET	Adapter 1 1/4" X 7/8" ODS (DN20)				

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

- 1º It is done by removing the flange (1-2-3-4).
- 2º Make sure there is no pressure inside the component.
- 3º Loosen and unscrew the screws, in the opposite direction of tightening (see figures).
- 4º Remove the flange.
- 5º Loosen and remove the nuts of the filters.
- 6º Move back the filters farther away, to facilitate space of the fronts.
- 7º Without making any effort, slightly move the filters 1-2 backwards and remove the filters one by one.
- 8º Move filters 3-4 towards us, and without making efforts to pull out the filters.

#### Replacement of filters:

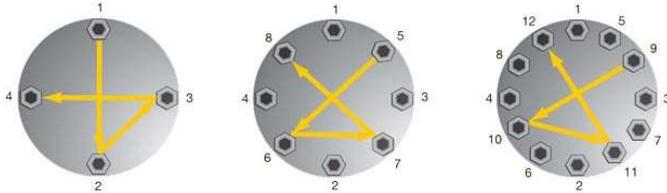
- 1 - The sequence is exactly the opposite.
- 2º- The rods move forward and begin by first mounting the ones furthest from us 1-2 (go placing the clamping nuts before moving back, once in place tighten), ending with the filters 3-4.
- 3º- There is no need to force anything for its placement, the rod should protrude through each of the drills.
- 4º- Fit the flange.



ACCESSORIES INCLUDED / ACCESORIOS INCLUIDOS		
OIL THERMOSTAT  A-005071	OIL HEATER (0.04 Tons)  A-005074 (140W)	ELECTRONICAL OIL LEVEL DETECTOR  A-005256

### 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.

2nd - Tighten with a key until there are 2 - 3 steps of thread on the nut.

3rd - 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 7th screw- until the end.

### Tightening torque:

Screw	Tightening torque (m/kgf)
M14	10,5 - 11,5
M22	43 – 45
M24	55 - 60

### 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)
SAPC-40L-NH3	253
SAPC 90L-NH3	333
SAPC 140L-NH3/ SAPC 250L-NH3 / SAPC 320L-NH3	462

# 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>