



TECNAC

OIL SEPARATORS FOR CO₂ (Transcritical)

SEPARADORES DE ACEITE PARA CO₂ TRANCRÍTICO

CO₂

130 bar



> 99,996%
SEPARATION
EFFICIENCY

Designed for CO₂ transcritical systems, obtaining multiple advantages: an efficiency of separation superior to 99 %, improvement of the efficiency of the thermal transfer (it minimizes the quantity of oil in the evaporator), reduction of times of functioning of the compressor, for what obtain better performances that the rest of technologies of filtration and separation.

Diseñados para sistemas CO₂ transcríticos, obteniendo múltiples ventajas: una eficiencia de separación mayor del 99%, mejora de la eficiencia de la transferencia térmica (minimiza la cantidad de aceite en el evaporador), reducción de tiempos de funcionamiento del compresor, por lo que se obtienen mejores rendimientos que el resto de tecnologías de filtración y separación.



UK
CA



MAXIMUM WORKING PRESSURE: 130 bar

MAXIMA PRESIÓN DE TRABAJO: 130 bar



EFICIENCIA SUPERIOR

Separación de aceite
> 99,996% para un
funcionamiento óptimo.



PROTECCIÓN TOTAL

Evita el retorno de aceite
y protege compresores e
intercambiadores.



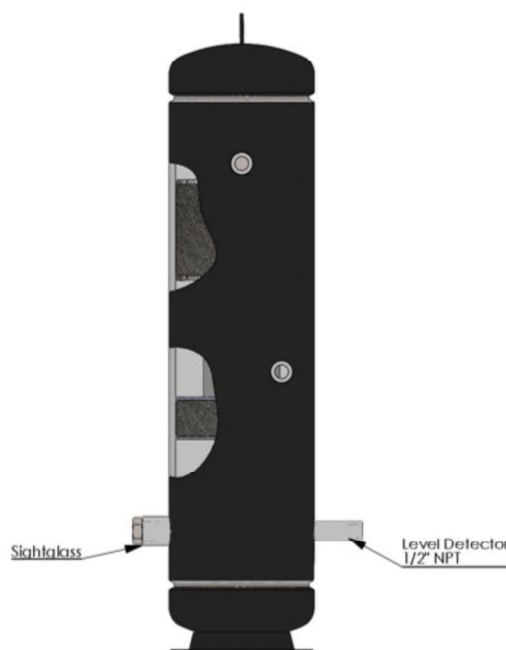
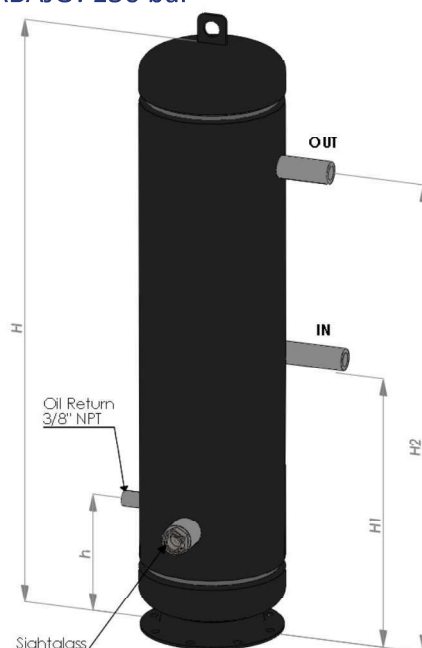
MENOR IMPACTO

Reducción de emisiones y
mayor sostenibilidad de
su instalación.



RENDIMIENTO OPTIMIZADO

Mejora la eficiencia del sistema
y reduce los costes de
mantenimiento.



OPTIONAL / OPCIONAL

LIQUID LEVEL ELECTRICAL GAUGE
DETECTOR NIVEL DE LÍQUIDO ELECTRÓNICO
130 bar -40 /125°C
1/2" NPT— 230VAC@50Hz



A-005266





TECNAC

DESIGN PRESSURE PRESIÓN DE DISEÑO 130 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/150°C			Kg	Vt (L)	Va (L)	IN OUT	Dimensions Dimensiones (mm)				
							D	H*	h*	H1*	H2*
CAT. II	SAD-6L-1,3L-17,2-130bar	223.001	15	6	1.3	3/8"	139	521	112	207	432
CAT. II	SAD-8.5L-1,8L-26,9-130bar	223.002	20	8.5	1.8	3/4"	139	712	138	317	586
CAT. III	SAD-12L-2,5L-26,9-130bar	223.003	29	12	2.9	3/4"	168	712	160	345	592
CAT. III	SAD-19L-4L-33,7-130bar	223.004	40	19	4	1"	193	845	172	378	682
CAT. IV	SAD-27L-5,5L-33,7-130bar	223.005	54	27	5.5	1"	219	921	184	424	739
CAT. IV	SAD-48L-12L-42,4-130bar	223.006	95.5	48	12	1 1/4"	273	1088	250	527	875
CAT. IV	SAD-69L-19L-42,4-130bar	223.007	137	69	19	1 1/4"	323	1255	315	600	970
CAT. IV	SAD-138L-42L-48,3-130bar	223.008	236	138	42	1 1/2"	406	1362	270	634	1079
CAT. IV	SAD-258L-70L-76,1-130bar	223.009	436	258	70	2 1/2"	508	1622	316	780	1290

NOTE:

* TOLERANCE $\pm 3\%$

SELECTION / SELECCIÓN



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 DESIGN PRESSURE PRESIÓN DE DISEÑO 130 bar  DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/150°C			Volumetric flow Minimum (m ³ /h)	Volumetric flow Maximum (m ³ /h)
CAT. II	SAD-6L-1,3L-17,2-130bar	223.001	0,772	7,723
CAT. II	SAD-8.5L-1,8L-26,9-130bar	223.002	0,942	9,422
CAT. III	SAD-12L-2,5L-26,9-130bar	223.003	1,385	13,850
CAT. III	SAD-19L-4L-33,7-130bar	223.004	1,659	16,599
CAT. IV	SAD-27L-5,5L-33,7-130bar	223.005	2,289	22,889
CAT. IV	SAD-48L-12L-42,4-130bar	223.006	3,587	35,873
CAT. IV	SAD-69L-19L-42,4-130bar	223.007	5,093	50,931
CAT. IV	SAD-138L-42L-48,3-130bar	223.008	7,830	78,303
CAT. IV	SAD-258L-70L-76,1-130bar	223.009	12,235	122,349



TECNAC

COALESCENT OIL SEPARATORS SEPARADORES DE ACEITE COALESCENTES

HFC

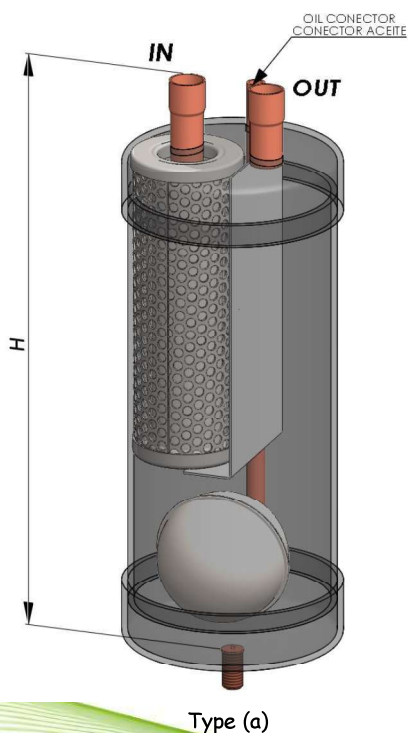


MAXIMUM WORKING PRESSURE: 32 bar
MAXIMA PRESIÓN DE TRABAJO: 32 bar

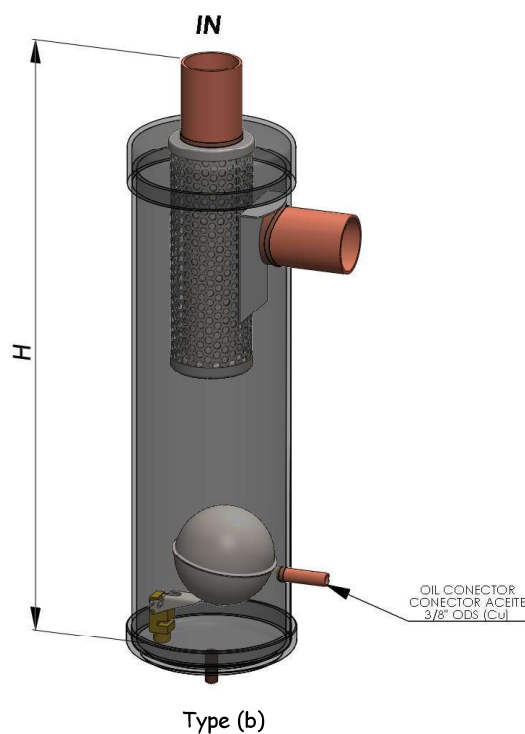
To difference of other oil separators, the efficiency of the Tecnac Coalescent Oil Separators, it does not depend on the speed. Therefore, oil separator TECNAC working (separating oil) to 99 % of efficiency when the load drop. Included colescent filter.

Filter included

A diferencia de otros separadores de aceite, la eficacia de los separadores coalescentes Tecnac, no depende de la velocidad. Por consiguiente, el separador de aceite TECNAC continúa funcionando (separando aceite) al 99% de eficacia cuando la carga disminuye. Dichos coalescentes llevan filtro coalescente incorporado.



Type (a)



Type (b)





TECNAC



DESIGN PRESSURE
PRESIÓN DE DISEÑO

32 bar



DESIGN TEMPERATURE

TEMPERATURA DE DISEÑO

-10/100°C

			Kg	Type	Oil	Va	Dimensions	
					Precharge	(L)	Dimensiones (mm)	
					(ml)		D	H*
CAT.I	SHC 1 3/8"	114.001	2.9	a	445	0.44	102	213
CAT.I	SHC 2 1/2"	114.002	3	a	445	0.44	102	213
CAT.I	SHC 3 5/8"	114.003	4.1	a	445	0.44	102	268
CAT.I	SHC 4 7/8"	114.004	4.6	a	445	0.44	102	276
CAT.I	SHC 5 1 1/8"	114.005	5.2	b	475	0.47	102	391
CAT.I	SHC 6 1 3/8"	114.006	5.9	b	475	0.47	102	391

NOTE:

* TOLERANCE $\pm 3\%$

SELECTION / SELECCIÓN



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			Capacity Capacidad Kw					
			R134a		R404A		R410A	
			-40°C	+4.4°C	-40°C	+4.4°C	-40°C	+4.4°C
CAT.I	SHC 1 3/8"	114.001	1.05	7.38	1.75	11.9	3.1	16.8
CAT.I	SHC 2 1/2"	114.002	1.75	14	3.5	22.15	5.6	31.2
CAT.I	SHC 3 5/8"	114.003	2.81	20	4.9	31.65	8	45
CAT.I	SHC 4 7/8"	114.004	3.86	27.7	7	43.9	11.2	69.2
CAT.I	SHC 5 1 1/8"	114.005	6.68	49.9	12.3	79.4	20	112.8
CAT.I	SHC 6 1 3/8"	114.006	10.19	79.4	18.9	120.6	30.5	171.9

Other conditions consult : <https://selector.tecnac.net/>

Otras condiciones consultar: <https://selector.tecnac.net/>



TECNAC

COALESCENT OIL SEPARATORS SEPARADORES DE ACEITE COALESCENTES

A2L-A3

CO₂

HFC



To difference of other oil separators, the efficiency of the Tecnac Coalescent Oil Separators, it does not depend on the speed. Therefore, oil separator TECNAC working (separating oil) to 99 % of efficiency when the load drop

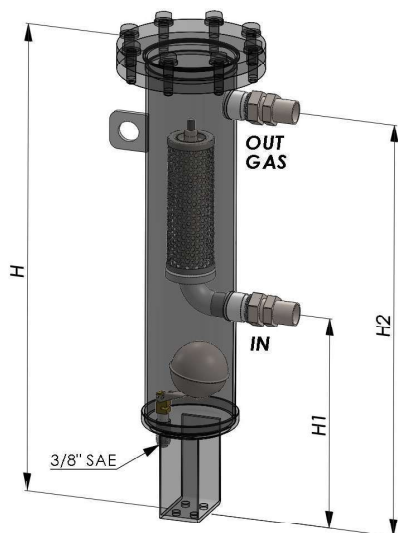
All oil separator include replacement coalescent filter .

A diferencia de otros separadores de aceite, la eficacia de los separadores coalescentes Tecnac, no depende de la velocidad. Por consiguiente, el separador de aceite TECNAC continua funcionando (separando aceite) al 99% de eficacia cuando la carga disminuye. Todos los separadores se entregan con el filtro coalescente incorporado.

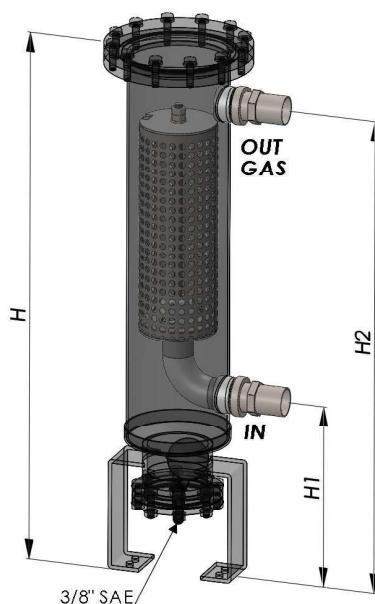


MAXIMUM WORKING PRESSURE: 45 bar

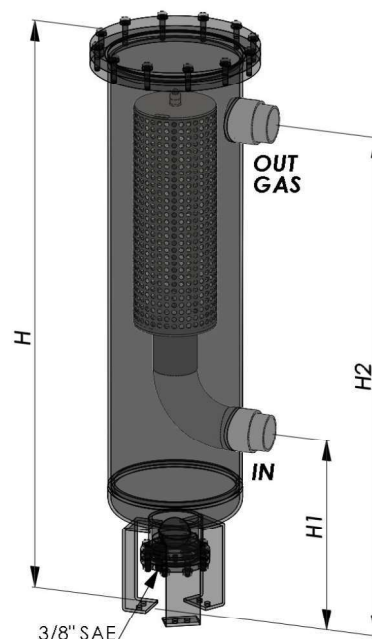
MAXIMA PRESIÓN DE TRABAJO: 45 bar



Type(a)



Type (b)



Type (c)





TECNAC

 DESIGN PRESSURE PRESIÓN DE DISEÑO 31 bar  DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/120°C			Kg	Type	Oil Precharge	Va (L)	Vt (L)	Dimensions Dimensiones(mm)					
D	H*	H1*						H2*	E				
CAT. I	SAC-1	7/8"	89.001	8	a	475 ml	1.5	3	102	450	150	388	170
CAT. I	SAC-2	1 1/8"	89.002	8.2	a	475 ml	1.6	4	102	550	150	485	270
CAT. I	SAC-3	1 3/8"	89.003	8.2	a	475 ml	1.6	4	102	550	150	485	270
CAT. II	SAC-4	1 5/8"	89.004	46	b	1 L	3.5	13	159	860	295	770	370
CAT. II	SAC-5	2 1/8"	89.005	46.5	b	1 L	3.5	13	159	860	295	765	370
CAT. I II	SAC-6	2 5/8"	89.006	80	c	1 L	17.2	50	273	1222	408	1075	495
CAT. III	SAC-7	3 1/8"	89.007	81	c	1 L	17.2	50	273	1222	408	1075	495
CAT. III	SAC-8	3 1/8"	89.022	84	c	2 L	22.3	65	273	1450	408	1303	710

DESIGN PRESSURE PRESIÓN DE DISEÑO 45 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -20/100°C				Kg	Type	Oil Precharge	Va (L)	Vt (L)	Dimensions Dimensiones(mm)				
D	H*	H1*	H2*						E				
CAT. I	SAC-1 – 45	7/8"	89.015	19	a	475 ml	1.5	3	102	454	150	366	170
CAT. I	SAC-2 – 45	1 1/8"	89.016	21	a	475 ml	1.6	4	102	554	150	466	270
CAT. I	SAC-3 – 45	1 3/8"	89.017	21	a	475 ml	1.6	4	102	554	150	466	270
CAT. II	SAC-4 – 45	1 5/8"	89.018	50	b	1 L	3.5	13	159	860	274	742	370
CAT. II	SAC-5 – 45	2 1/8"	89.019	50	b	1 L	3.5	13	159	860	274	765	370
CAT. I II	SAC-6 – 45	2 5/8"	89.020	95	c	1 L	17.2	50	273	1222	408	1075	495
CAT. III	SAC-7 – 45	3 1/8"	89.021	96	c	1 L	17.2	50	273	1222	408	1075	495
CAT. III	SAC-8 – 45	3 1/8"	89.024	100	c	2 L	22.3	65	273	1450	408	1303	710

DESIGN PRESSURE PRESIÓN DE DISEÑO 45 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -20/100°C				Kg	Type	Oil Precharge	Va (L)	Vt (L)	Dimensions Dimensiones(mm)				
D	H*	H1*	H2*						E				
CAT. I	SAC-10 – 45 –T	5/8"	89.050	19	a	475 ml	1.2	2.5	102	438	238		170
CAT. I	SAC-11 – 45 –T	7/8"	89.051	19	a	475 ml	1.2	2.5	102	438	238		270
CAT. I	SAC-12 – 45 –T	1 1/8"	89.052	21	a	475 ml	1.4	3.5	102	550	238		270
CAT. II	SAC-13 – 45 –T	1 3/8"	89.053	21	a	475 ml	1.4	3.5	102	550	238		370
CAT. II	SAC-14 – 45 –T	1 5/8"	89.054	50	b	1 L	3.5	13	159	889	305	748	370
CAT. I II	SAC-15 – 45 –T	2 1/8"	89.055	50	b	1 L	3.5	13	159	889	305	748	495
CAT. III	SAC-16 – 45 –T	2 5/8"	89.056	95	c	1 L	10	29	273	1003	324	854	495
CAT. III	SAC-17 – 45 –T	3 1/8"	89.057	96	c	2 L	23	69	323	1050	349	908	710

SELECTION / SELECCIÓN



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 DESIGN PRESSURE PRESIÓN DE DISEÑO 31 bar  DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/120°C				KW (T ^a cond =37,8°C; supercalentamiento 5,6°C; subenfriamiento 0°C)					
				R134A		R404/R507		R1234ze	
				-25°C	+5°C	-40°C	+5°C	-40°C	+5°C
CAT. I	SAC-1	7/8"	89.001	13.7	23.3	11.9	36.1	4	27.8
CAT. I	SAC-2	1 1/8"	89.002	22.9	39.8	18.3	61.8	7.2	50
CAT. I	SAC-3	1 3/8"	89.003	35.1	58.2	29.3	90.3	10.9	80
CAT. II	SAC-4	1 5/8"	89.004	58.1	102.9	47.6	173.1	18.7	130
CAT. II	SAC-5	2 1/8"	89.005	85.6	140.9	65.9	218.7	25.5	177.5
CAT.I II	SAC-6	2 5/8"	89.006	92.3	191	77.6	296.7	427	296.5
CAT. III	SAC-7	3 1/8"	89.007	119.3	278.6	105	432.6	72.5	504
CAT. III	SAC-8	3 1/8"	89.022	125	280	109	435	75	505

DESIGN PRESSURE PRESIÓN DE DISEÑO 45 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -20/100°C			FOR CO ₂ KW (T ³ cond. - 3,88°C; supercalen. 5,6°C; Subenfr. 0°C)		FOR CO ₂ KW (T ³ cond. -3,88°C; supercalen. 5,6°C; Subenfr. 0°C)	
			+4,4°C	-40°C	+4,4°C	-40°C
CAT. I	SAC-1 - 45	7/8"	89.015	141	99	20
CAT. I	SAC-2 - 45	1 1/8"	89.016	258	141	34
CAT. I	SAC-3 - 45	1 3/8"	89.017	393	258	62
CAT. II	SAC-4 - 45	1 5/8"	89.018	673	393	95,5
CAT. II	SAC-5 - 45	2 1/8"	89.019	918	673	163,7
CAT. I II	SAC-6 - 45	2 5/8"	89.020	1534,5	918	222
CAT. III	SAC-7 - 45	3 1/8"	89.021	2610	1200	303
CAT. III	SAC-8 - 45	3 1/8"	89.024	2612	2650	660



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COALESCENT OIL SEPARATORS SEPARADORES DE ACEITE COALESCENTES

NH₃



To difference of other oil separators, the efficiency of the Tecnac Coalescent Oil Separators, it does not depend on the speed. Therefore, oil separator TECNAC working (separating oil) to 99 % of efficiency when the load drop

All oil separator include replacement coalescent filter .

A diferencia de otros separadores de aceite, la eficacia de los separadores coalescentes Tecnac, no depende de la velocidad. Por consiguiente, el separador de aceite TECNAC continua funcionando (separando aceite) al 99% de eficacia cuando la carga disminuye. Todos los separadores se entregan con el filtro coalescente incorporado.

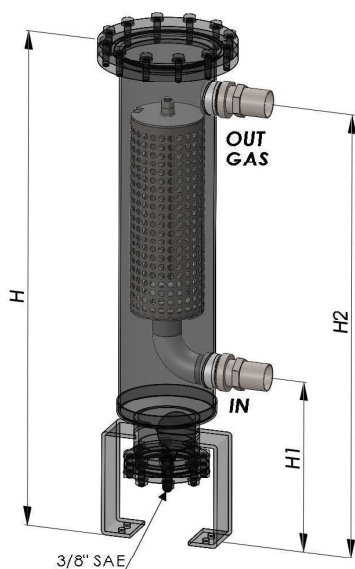


UK
CA

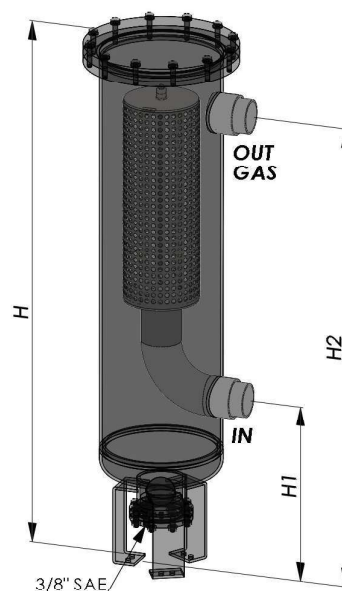


MAXIMUM WORKING PRESSURE: 31 bar

MAXIMA PRESIÓN DE TRABAJO: 31 bar



Type (b)



Type (c)





 DESIGN PRESSURE PRESIÓN DE DISEÑO 31 bar  DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/120°C			Kg	Type	Oil Precharge (L)	Va (L)	Vt (L)	Dimensions Dimensiones (mm)				
								D	H*	H1*	H2*	E
CAT. II	SAC-4 -NH ₃ 1 5/8"	89.011	46	b	1	3.5	13	159	860	295	770	370
CAT. II	SAC-5 -NH ₃ 2 1/8"	89.012	46.5	b	1	3.5	13	159	860	295	765	370
CAT. III	SAC-6 -NH ₃ 2 5/8"	89.013	80	c	1	17.2	50	273	1222	408	1075	495
CAT. III	SAC-7 -NH ₃ 3 1/8"	89.014	81	c	1	17.2	50	273	1222	408	1075	495
CAT. III	SAC-8 -NH ₃ 3 1/8"	89.023	84	c	2	22.3	65	273	1450	408	1303	710

NOTE:

* TOLERANCE $\pm 3\%$

SELECTION / SELECCIÓN

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 DESIGN PRESSURE PRESIÓN DE DISEÑO 31 bar  DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/120°C			KW (T ^a cond. 37.8°C; supercalen. 5.6°C; Subenfr. 0°C)	
			+4.4°C	-40°C
CAT. II	SAC-4 -NH ₃ 1 5/8"	89.011	225	35
CAT. II	SAC-5 -NH ₃ 2 1/8"	89.012	310	47
CAT. III	SAC-6 -NH ₃ 2 5/8"	89.013	512	77
CAT. III	SAC-7 -NH ₃ 3 1/8"	89.014	874	132
CAT. III	SAC-8 -NH ₃ 3 1/8"	89.023	880	135

Other conditions consult : <https://selector.tecnac.net/>
 Otras condiciones consultar: <https://selector.tecnac.net/>



TECNAC

COALESCENT OIL SEPARATORS WITH OIL RECEIVER

SEPARADORES DE ACEITE COALESCENTES CON RECIPIENTE

A2L-A3

CO₂

HFC



MAXIMUM WORKING PRESSURE: 45 bar

MAXIMA PRESIÓN DE TRABAJO: 45 bar

To difference of other oil separators, the efficiency of the Tecnac Coalescent Oil Separators, it does not depend on the speed. Therefore, oil separator TECNAC working (separating oil) to 99 % of efficiency when the load drop.

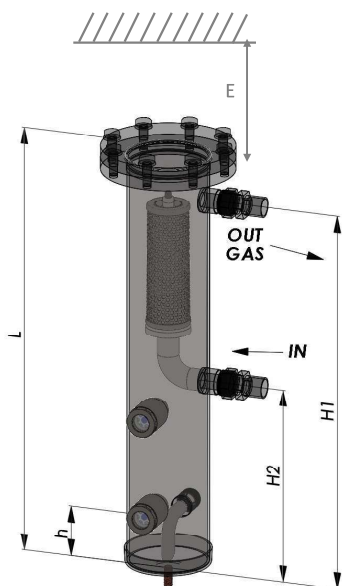
All oil separator include replacement coalescent filter.
They have oil receiver included.

A diferencia de otros separadores de aceite, la eficacia de los separadores coalescentes Tecnac, no depende de la velocidad. Por consiguiente, el separador de aceite TECNAC continua funcionando (separando aceite) al 99% de eficacia cuando la carga disminuye.

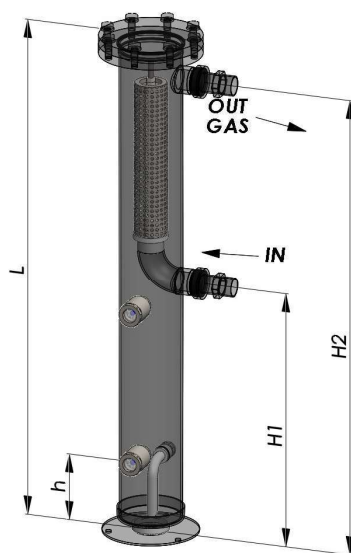
Todos los separadores incluyen filtro coalescente recambiable.
Llevan recipiente de aceite incorporado



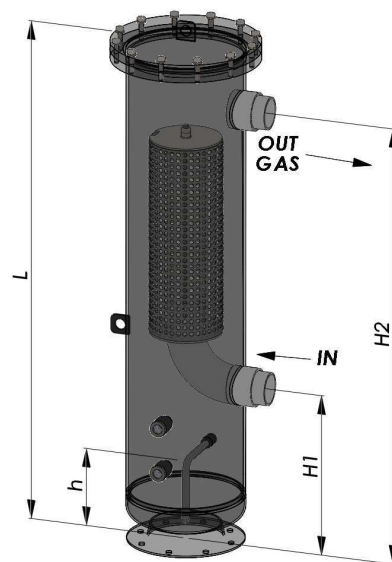
UK
CA



Type(a)



Type (b)



Type (c)





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DESIGN PRESSURE PRESIÓN DE DISEÑO 31 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/120°C				Kg	Type	Oil	Vs	Vr	Vt	Dimensions					
Precharge	(L)	(L)	(L)			Dimensiones (mm)									
(L)						D	H*	h*	H1*	H2*	E				
CAT. I	SARC-1	7/8"	93.001	15.5	a	2	1.5	2.5	4	102	550	65	250	485	170
CAT. I	SARC-2	1 1/8"	93.002	16.5	b	2	2.3	2.7	5	102	830	110	425	765	270
CAT. I	SARC-3	1 3/8"	93.003	16.5	b	2	2.3	2.7	5	102	830	110	425	765	270
CAT. II	SARC-4	1 5/8"	93.004	43.5	b	6	8	8	16	159	980	110	420	890	370
CAT. II	SARC-5	2 1/8"	93.005	43.5	b	6	8	8	16	159	980	110	420	885	370
CAT. I II	SARC-6	2 5/8"	93.006	77.5	c	10	35	24	59	273	1200	185	383	1050	495
CAT. III	SARC-7	3 1/8"	93.007	77.5	c	10	35	24	59	273	1200	185	383	1050	495
CAT. III	SARC-8	3 1/8"	93.022	81	c	20	44	30	74	273	1428	185	383	1278	710

DESIGN PRESSURE PRESIÓN DE DISEÑO 45 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -20/100°C				Kg	Type	Oil	Vs	Vr	Vt	Dimensions					
Precharge	(L)	(L)	(L)			Dimensiones (mm)									
(L)						D	H*	h*	H1*	H2*	E				
CAT. I	SARC-1 —45 7/8"	93.015	16.5	a	2	1.5	2.5	4	102	550	65	250	485	170	
CAT. I	SARC-2 —45 1 1/8"	93.016	18	b	2	2.3	2.7	5	102	830	110	425	765	270	
CAT. I	SARC-3 —45 1 3/8"	93.017	18	b	2	2.3	2.7	5	102	830	110	425	765	270	
CAT. II	SARC-4 —45 1 5/8"	93.018	47	b	6	8	8	16	159	980	110	420	890	370	
CAT. II	SARC-5 —45 2 1/8"	93.019	47	b	6	8	8	16	159	980	110	420	885	370	
CAT. I II	SARC-6 —45 2 5/8"	93.020	92	c	10	35	24	59	273	1200	185	383	1050	495	
CAT. III	SARC-7 —45 3 1/8"	93.021	93	c	10	35	24	59	273	1200	185	383	1050	495	
CAT. III	SARC-8 —45 3 1/8"	93.024	97	c	20	44	30	74	273	1428	185	383	1278	710	

 DESIGN PRESSURE PRESIÓN DE DISEÑO 45 bar  DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -20/100°C				Kg	Type	Oil	Vs	Vr	Vt	Dimensions					
Precharge	(L)	(L)	(L)			Dimensiones (mm)									
(L)						D	H*	h*	H1*	H2*	E				
CAT. I	SARC-10-45 -T	5/8"	93.050	16	a	2	1.5	2.5	3.5	102	495	65	295		170
CAT. I	SARC-11 -45 -T	7/8"	93.051	16	a	2	1.5	2.5	3.5	102	495	65	295		170
CAT. I	SARC-12 -45 -T	1 1/8"	93.052	18	b	2	2.3	2.7	5	102	727	110	416		270
CAT. II	SARC-13 -45 -T	1 3/8"	93.053	18	b	2	2.3	2.7	5	102	727	110	416		270
CAT. II	SARC-14 -45 -T	1 5/8"	93.054	47	b	6	8	8	16	159	975	110	422	860	370
CAT. I II	SARC-15 -45 -T	2 1/8"	93.055	47	b	6	8	8	16	159	975	110	422	860	370
CAT. III	SARC-16 -45 -T	2 5/8"	93.056	70	c	9	20	18	32	219	940	185	292	822	495
CAT. III	SARC-17 -45 -T	3 1/8"	93.057	105	c	21	40	32	82	323	1085	200	384	943	710

SARC: VALVE INCLUDED 1"x 3/8" SAE / VÁLVULA INCLUIDA 1" x 3/8" SAE

Vs: Volume Oil Separator / Volumen separador de aceite

Vr: Volume Oil Receiver / Volumen Recipiente de Aceite

NOTE:

* TOLERANCE ± 3%

SELECTION / SELECCIÓN



FOR SELECTION www.tecnac.net



DESIGN PRESSURE PRESIÓN DE DISEÑO 31 bar			DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/120°C		KW (T ^{cond} = 37,8°C; supercalentamiento 5,6°C; subenfriamiento 0°C)					
					R134A		R404/R507		R1234ze	
					-25°C	+5°C	-40°C	+5°C	-40°C	+5°C
CAT. I	SARC-1	7/8"	93.001		13.7	23.3	11.9	36.1	4	27.8
CAT. I	SARC-2	1 1/8"	93.002		22.9	39.8	18.3	61.8	7.2	50
CAT. I	SARC-3	1 3/8"	93.003		35.1	58.2	29.3	90.3	10.9	80
CAT. II	SARC-4	1 5/8"	93.004		58.1	102.9	47.6	173.1	18.7	130
CAT. II	SARC-5	2 1/8"	93.005		85.6	140.9	65.9	218.7	25.5	177.5
CAT. I II	SARC-6	2 5/8"	93.006		92.3	191	77.6	296.7	427	296.5
CAT. III	SARC-7	3 1/8"	93.007		119.3	278.6	105	432.6	72.5	504
CAT. III	SARC-8	3 1/8"	93.022		122	280	115	438	75	505

DESIGN PRESSURE PRESIÓN DE DISEÑO 45 bar			DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -20/100°C		FOR CO ₂ KW (T ^{cond} -3,88°C; supercalen. 5.6°C;	
					+4.4°C	-40°C
CAT. I	SARC-1-45	7/8"	93.015		141	34
CAT. I	SARC-2-45	1 1/8"	93.016		258	62
CAT. I	SARC-3-45	1 3/8"	93.017		393	95.5
CAT. II	SARC-4-45	1 5/8"	93.018		673	163.7
CAT. II	SARC-5-45	2 1/8"	93.019		918	222
CAT. I II	SARC-6-45	2 5/8"	93.020		1534.5	373.4
CAT. III	SARC-7-45	3 1/8"	93.021		2610	634.9
CAT. III	SARC-8-45	3 1/8"	93.024		2612	640

DESIGN PRESSURE PRESIÓN DE DISEÑO 45 bar			DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -20/100°C		FOR CO ₂ KW (T ^{cond} -3,88°C; supercalen. 5.6°C;	
					+4.4°C	-40°C
CAT. I	SARC-10-45-T	5/8"	93.050		98	20
CAT. I	SARC-11-45-T	7/8"	93.051		141	34
CAT. I	SARC-12-45-T	1 1/8"	93.052		258	62
CAT. II	SARC-13-45-T	1 3/8"	93.053		393	95.5
CAT. II	SARC-14-45-T	1 5/8"	93.054		673	163.7
CAT. I II	SARC-15-45-T	2 1/8"	93.055		918	222
CAT. III	SARC-16-45-T	2 5/8"	93.056		1200	301
CAT. III	SARC-17-45-T	3 1/8"	93.057		2640	670



TECNAC

COALESCENT OIL SEPARATORS WITH OIL RECEIVER

SEPARADORES DE ACEITE COALESCENTES CON RECIPIENTE

NH₃



To difference of other oil separators, the efficiency of the Tecnac Coalescent Oil Separators, it does not depend on the speed. Therefore, oil separator TECNAC working (separating oil) to 99 % of efficiency when the load drop.

All oil separator include replacement coalescent filter. They have oil receiver included.

A diferencia de otros separadores de aceite, la eficacia de los separadores coalescentes Tecnac, no depende de la velocidad. Por consiguiente, el separador de aceite TECNAC continua funcionando (separando aceite) al 99% de eficacia cuando la carga disminuye.

Todos los separadores incluyen filtro coalescente recambiable.

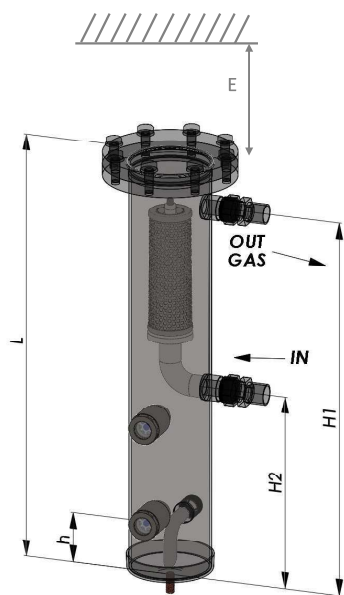


filtro coales-
tible.

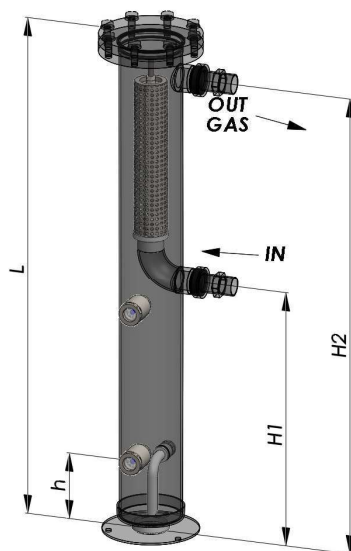


MAXIMUM WORKING PRESSURE: 31 bar

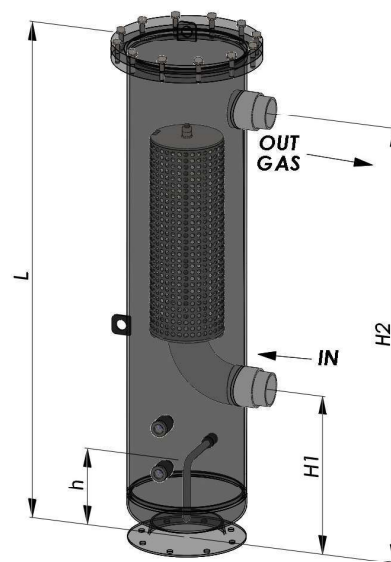
MAXIMA PRESIÓN DE TRABAJO: 31 bar



Type (a)



Type (b)



Type (c)





 DESIGN PRESSURE PRESIÓN DE DISEÑO 31 bar  DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/120°C				Kg	Type	Oil Precharge (L)	Vs (L)	Vr (L)	Vt (L)	Dimensions Dimensiones (mm)					
										D	H*	h*	H1*	H2*	E
CAT. I	SARC-1 -NH ₃	7/8"	93.008	15.5	a	2	1.5	2.5	4	102	550	65	250	485	170
CAT. I	SARC-2 -NH ₃	1 1/8"	93.009	16.5	b	2	2.3	2.7	5	102	830	110	425	765	270
CAT. I	SARC-3 -NH ₃	1 3/8"	93.010	16.5	b	2	2.3	2.7	5	102	830	110	425	765	270
CAT. II	SARC-4 -NH ₃	1 5/8"	93.011	43.5	b	6	8	8	16	159	980	110	420	890	370
CAT. II	SARC-5 -NH ₃	2 1/8"	93.012	43.5	b	6	8	8	16	159	980	110	420	885	370
CAT. I II	SARC-6 -NH ₃	2 5/8"	93.013	77.5	c	10	35	24	59	273	1200	185	383	1050	495
CAT. III	SARC-7 -NH ₃	3 1/8"	93.014	78.5	c	10	35	24	59	273	1200	185	383	1050	495
CAT. III	SARC-8-NH ₃	3 1/8"	93.023	81	c	20	44	30	74	273	1428	185	383	1278	710

Vs: Volume Oil Separator / Volumen separador de aceite
Vr: Volume Oil Receiver / Volumen Recipiente de Aceite

NOTE:
* TOLERANCE ± 3%

SARC-NH₃: ADAPTER INCLUDED 1" x 3/8" ODS / ADAPTADOR INCLUIDO 1" x 3/8" ODS

SELECTION / SELECCIÓN



FOR SELECTION www.tecnac.net



 DESIGN PRESSURE PRESIÓN DE DISEÑO 31 bar  DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/120°C				KW (T ^{cond} . 37.8°C; supercalen. 5.6°C; Subenfr. 0°C)	
				+4.4°C	-40°C
CAT. I	SARC-1 -NH ₃	7/8"	93.008	48	7,4
CAT. I	SARC-2 -NH ₃	1 1/8"	93.009	87	12,5
CAT. I	SARC-3 -NH ₃	1 3/8"	93.010	130	19,8
CAT. II	SARC-4 -NH ₃	1 5/8"	93.011	225	35
CAT. II	SARC-5 -NH ₃	2 1/8"	93.012	310	47
CAT. I II	SARC-6 -NH ₃	2 5/8"	93.013	512	77
CAT. III	SARC-7 -NH ₃	3 1/8"	93.014	874	132
CAT. III	SARC-8-NH ₃	3 1/8"	93.023	880	135



TECNAC

COALESCENT OIL SEPARATORS FOR CO₂ (Transcritical)

SEPARADORES DE ACEITE COALESCENTES PARA CO₂ TRANCRÍTICO

130 bar

CO₂



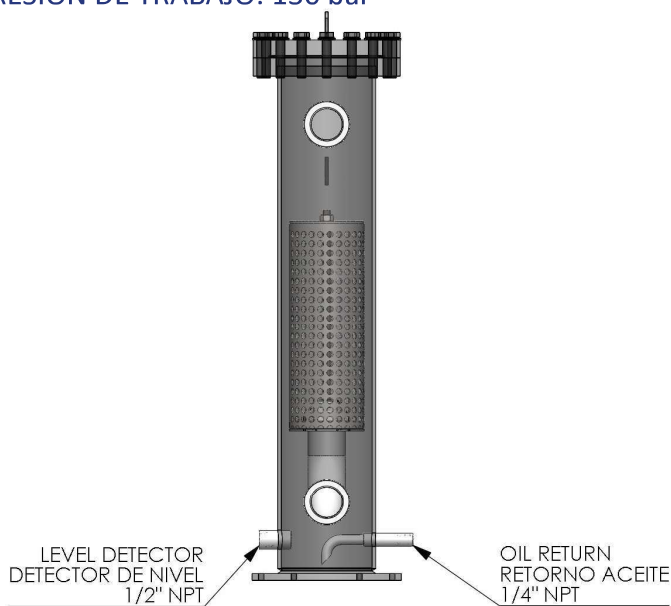
Designed for CO₂ transcritical systems, obtaining multiple advantages: an efficiency of separation superior to 98,5 %, improvement of the efficiency of the thermal transfer (it minimizes the quantity of oil in the evaporator), reduction of times of functioning of the compressor, for what obtain better performances that the rest of technologies of filtration and separation.

Diseñados para sistemas CO₂ transcríticos, obteniendo múltiples ventajas: una eficiencia de separación mayor del 98,5%, mejora de la eficiencia de la transferencia térmica (minimiza la cantidad de aceite en el evaporador), reducción de tiempos de funcionamiento del compresor, por lo que se obtienen mejores rendimientos que el resto de tecnologías de filtración y separación.



MAXIMUM WORKING PRESSURE: 130 bar

MAXIMA PRESIÓN DE TRABAJO: 130 bar



SAC 17-130BAR-T 3 1/8"

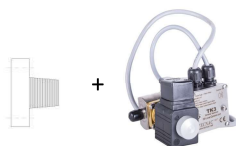
OPTIONAL / OPCIONAL

LIQUID LEVEL ELECTRICAL GAUGE
DETECTOR NIVEL DE LÍQUIDO ELECTRÓNICO
130 bar -40 /125°C
1/2" NPT— 230VAC@50Hz
LC-XP



A-005266

LIQUID REGULATOR
REGULADOR DE NIVEL DE LÍQUIDO
120 bar -40 /125°C
1/2" NPT— 230VAC@50Hz
TK3-S-120bar



A-005323 + A-007461





TECNAC

DESIGN PRESSURE PRESIÓN DE DISEÑO 130 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/150°C			Kg	Oil Precharge (L)	Vt (L)	Va (L)	Dimensions Dimensiones (mm)					
CAT.	Model	Weight					D	H*	h*	H1*	H2*	E
CAT. II	SAC 0-130bar 3/4"	89.025	23	0.5	2.9	1.1	102	465	59	121	376	190
CAT. II	SAC 1-130bar 7/8"	89.026	23	0.5	2.9	1.1	102	465	59	121	376	190
CAT. II	SAC 2-130bar 1 1/8"	89.027	25	0.7	3.6	1.4	102	570	59	121	482	290
CAT. II	SAC 3-130bar 1 3/8"	89.028	25	0.7	3.6	1.4	102	570	59	121	474	290
CAT. III	SAC 4-130bar 1 5/8"	89.029	60	1.2	13.8	3.7	159	860	65	126	740	390
CAT. I III	SAC 5-130bar 2 1/8"	89.030	60	1.2	13.8	3.7	159	860	65	126	740	390

DESIGN PRESSURE PRESIÓN DE DISEÑO 130 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/150°C			Kg	Oil Precharge (L)	Vt (L)	Va (L)	Dimensions Dimensiones (mm)					
CAT.	Model	Weight					D	H*	h*	H1*	H2*	E
CAT. II	SAC 1-130bar -T 7/8"	89.070	25	0.6	3.1	1.25	102	545	118	152	433	190
CAT. II	SAC 2-130bar -T 1 1/8"	89.071	55	1.2	11	3.7	159	702	131	171	584	390
CAT. II	SAC 3-130bar -T 1 3/8"	89.072	55	1.2	11	3.7	159	702	131	171	584	390
CAT. III	SAC 4-130bar -T 1 5/8"	89.073	60	1.5	14	4	159	870	131	171	752	390
CAT. I III	SAC 4-130bar -T (219) 1 5/8"	89.074	100	3	28	9	219	927	162	210	765	390
CAT. I III	SAC 5-130bar -T 2 1/8"	89.075	100	3	28	9	219	927	162	210	765	495
CAT. I IV	SAC 17-130bar -T 3 1/8"	89.081	220	46	163	46	406	1610	254	292	1257	700

DESIGN PRESSURE PRESIÓN DE DISEÑO 130 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/150°C			Kg	Oil Precharge (L)	Vt (L)	Va (L)	Dimensions Dimensiones (mm)					
CAT.	Model	Weight					D	H*	h*	H1*	H2*	E
CAT. II	SAC 20-130bar -NW 1 1/8"	89.032	28	0.6	3.5	1.3	102	656	104/164	215	530	190
CAT. II	SAC 21-130bar -NW 1 3/8"	89.033	58	1.5	11	4	159	790	136	241	651	390
CAT. II	SAC 22-130bar -NW 2 1/8"	89.034	110	3.5	30	10	219	1033	123/159	282	837	495

SELECTION / SELECCIÓN



FOR SELECTION www.tecnac.net



DESIGN PRESSURE PRESIÓN DE DISEÑO 130 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/150°C			KW (T ^a cond. 29.44C; supercalen. 5.6°C; Subenfr. 0°C)	
			+14°C	-40°C
CAT. II	SAC 0-130bar 3/4"	89.025	23.5	4.5
CAT. II	SAC 1-130bar 7/8"	89.026	41.3	8
CAT. II	SAC 2-130bar 1 1/8"	89.027	158	29.8
CAT. II	SAC 3-130bar 1 3/8"	89.028	462.2	87.8
CAT. III	SAC 4-130bar 1 5/8"	89.029	674.8	128
CAT. I III	SAC 5-130bar 2 1/8"	89.030	845.1	160.7

DESIGN PRESSURE PRESIÓN DE DISEÑO 130 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/150°C			KW (T ^a cond. 37.78C; supercalen. 5.6°C; Subenfr. 0°C)	
			+14°C	-18°C
CAT. II	SAC 1-130bar -T 7/8"	89.070	142	61
CAT. II	SAC 2-130bar -T 1 1/8"	89.071	425	108
CAT. II	SAC 3-130bar -T 1 3/8"	89.072	425	180
CAT. III	SAC 4-130bar -T 1 5/8"	89.073	620	261
CAT. I III	SAC 4-130bar -T (219) 1 5/8"	89.074	807	340
CAT. I III	SAC 5-130bar -T 2 1/8"	89.075	807	340
CAT. I IV	SAC 17-130bar -T 3 1/8"	89.081	3244	1364

DESIGN PRESSURE PRESIÓN DE DISEÑO 130 bar DESIGN TEMPERATURE TEMPERATURA DE DISEÑO -10/150°C			Maximum mass flow compressor (Kg/h)	
			+15°C	-20°C
CAT. II	SAC 20-130bar -NW 1 1/8"	89.032	5126	2635
CAT. II	SAC 21-130bar -NW 1 3/8"	89.033	13146	6625
CAT. II	SAC 22-130bar -NW 2 1/8"	89.034	26341	13275



TECNAC



SPARE PARTS

Replacement Coalescent Filter Kits

Repuestos · Kits de Filtro Coalescente



EACH SPARE KIT INCLUDES:

- Flange gasket
- Coalescent filter gasket
- Replacement coalescent filter

CADA KIT DE REPUESTO INCLUYE:

- Junta de brida
- Junta del filtro
- Filtro coalescente de sustitución



SAC SERIES – OIL SEPARATORS

SAC SERIES (STANDARD)

CODE Código	OIL SEPARATOR MODEL Modelo Separador	SPARE KIT CODE Código Kit
89.001	SAC-1 7/8"	234.000
89.002	SAC-2 1 1/8"	234.001
89.003	SAC-3 1 3/8"	234.002
89.004	SAC-4 1 5/8"	234.003
89.005	SAC-5 2 1/8"	234.004
89.006	SAC-6 2 5/8"	234.005
89.007	SAC-7 3 1/8"	234.006
89.022	SAC-8 3 1/8"	234.007

SAC SERIES – 45 BAR

CODE Código	OIL SEPARATOR MODEL Modelo Separador	SPARE KIT CODE Código Kit
89.015	SAC-1-45Bar 7/8"	234.008
89.016	SAC-2-45Bar 1 1/8"	234.009
89.017	SAC-3-45Bar 1 3/8"	234.010
89.018	SAC-4-45Bar 1 5/8"	234.011
89.019	SAC-5-45Bar 2 1/8"	234.012
89.020	SAC-6-45Bar 2 5/8"	234.013
89.021	SAC-7-45Bar 3 1/8"	234.014
89.024	SAC-8-45Bar 3 1/8"	234.015

SAC SERIES – 45 BAR-T

CODE Código	OIL SEPARATOR MODEL Modelo Separador	SPARE KIT CODE Código Kit
89.050	SAC 10-45 Bar-T 5/8"	234.016
89.051	SAC-11-45Bar-T 7/8"	234.017
89.052	SAC-12-45 Bar-T 1 1/8"	234.018
89.053	SAC-13-45 Bar-T 1 3/8"	234.019
89.054	SAC-14-45 Bar-T 1 5/8"	234.020
89.055	SAC-15-45Bar-T 2 1/8"	234.021
89.056	SAC-16-45 Bar-T 2 5/8"	234.022
89.057	SAC-17-45 Bar-T 3 1/8"	234.023

SAC SERIES – NH₃

CODE Código	OIL SEPARATOR MODEL Modelo Separador	SPARE KIT CODE Código Kit
89.011	SAC-4-NH ₃ 1 5/8"	234.024
89.012	SAC-5-NH ₃ 2 1/8"	234.025
89.013	SAC-6-NH ₃ 2 5/8"	234.026
89.014	SAC-7-NH ₃ 3 1/8"	234.027
89.023	SAC-8-NH ₃ 3 1/8"	234.028

KIT CONTENTS

CONTENIDO DEL KIT

1



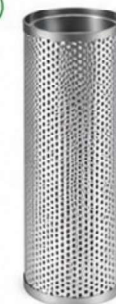
Flange gasket
Junta de brida

2



Filter gasket
Junta del filtro

3



Coalescent filter
Filtro coalescente



EACH SPARE KIT INCLUDES:

- ✓ Flange gasket
- ✓ Coalescent filter gasket
- ✓ Replacement coalescent filter

CADA KIT DE REPUESTO INCLUYE:

- ✓ Junta de brida
- ✓ Junta del filtro
- ✓ Filtro coalescente de sustitución





TECNAC



SARC SERIES – OIL SEPARATORS

SARC SERIES (STANDARD)		
CODE Código	OIL SEPARATOR MODEL Modelo Separador	SPARE KIT CODE Código Kit
93.001	SARC-1 7/8"	234.029
93.002	SARC-2 1 1/8"	234.030
93.003	SARC-3 1 3/8"	234.031
93.004	SARC-4 1 5/8"	234.032
93.005	SARC-5 2 1/8"	234.033
93.006	SARC-6 2 5/8"	234.034
93.007	SARC-7 3 1/8"	234.035
93.022	SARC-8 3 1/8"	234.036

SARC SERIES – 45 BAR		
CODE Código	OIL SEPARATOR MODEL Modelo Separador	SPARE KIT CODE Código Kit
93.015	SARC-1-45Bar 7/8"	234.037
93.016	SARC-2-45Bar 1 1/8"	234.038
93.017	SARC-3-45Bar 1 3/8"	234.039
93.018	SARC-4-45Bar 1 5/8"	234.040
93.019	SARC-5-45Bar 2 1/8"	234.041
93.020	SARC-6-45Bar 2 5/8"	234.042
93.021	SARC-7-45Bar 3 1/8"	234.043
93.024	SARC-8-45Bar 3 1/8"	234.044

SARC SERIES – 45 BAR-T		
CODE Código	OIL SEPARATOR MODEL Modelo Separador	SPARE KIT CODE Código Kit
93.050	SARC 10-45 Bar-T 5/8"	234.045
93.051	SARC-11-45Bar-T 7/8"	234.046
93.052	SARC-12-45 Bar-T 1 1/8"	234.047
93.053	SARC-13-45 Bar-T 1 3/8"	234.048
93.054	SARC-14-45 Bar-T 1 5/8"	234.049
93.055	SARC-15-45Bar-T 2 1/8"	234.050
93.056	SARC-16-45 Bar-T 2 5/8"	234.051
93.057	SARC-17-45 Bar-T 3 1/8"	234.052

SARC SERIES – NH ₃		
CODE Código	OIL SEPARATOR MODEL Modelo Separador	SPARE KIT CODE Código Kit
93.008	SARC-1-NH ₃ 7/8"	234.053
93.009	SARC-2-NH ₃ 1 1/8"	234.054
93.010	SARC-3-NH ₃ 1 3/8"	234.055
93.011	SARC-4-NH ₃ 1 5/8"	234.056
93.012	SARC-5-NH ₃ 2 1/8"	234.057
93.013	SARC-6-NH ₃ 2 5/8"	234.058
93.014	SARC-7-NH ₃ 3 1/8"	234.059
93.023	SARC-8-NH ₃ 3 1/8"	234.060

KIT CONTENTS

CONTENIDO DEL KIT

1



Flange gasket
Junta de brida

2



Filter gasket
Junta del filtro

3



Coalescent filter
Filtro coalescente

130
BAR

SAC SERIES – 130 BAR

SAC SERIES – 130 BAR		
Code Código	Oil Separator Model Modelo Separador	Spare Kit Code Código Kit
89.025	SAC-0-130Bar 3/4"	234.061
89.026	SAC-1-130Bar 7/8"	234.062
89.027	SAC-2-130Bar 1 1/8"	234.063
89.028	SAC-3-130Bar 1 3/8"	234.064
89.029	SAC-4-130Bar 1 5/8"	234.065
89.030	SAC-5-130Bar 2 1/8"	234.066

SAC SERIES – 130 BAR-T		
Code Código	Oil Separator Model Modelo Separador	Spare Kit Code Código Kit
89.070	SAC-1-130Bar-T 7/8"	234.067
89.071	SAC-2-130Bar-T 1 1/8"	234.068
89.072	SAC-3-130Bar-T 1 3/8"	234.069
89.073	SAC-4-130Bar-T 1 5/8"	234.070
89.074	SAC-4-130Bar-(219)T 1 5/8"	234.071
89.075	SAC-5-130Bar-T 2 1/8"	234.072

SAC SERIES – 130 BAR-NW		
Code Código	Oil Separator Model Modelo Separador	Spare Kit Code Código Kit
89.032	SAC-20-130Bar-NW 1 1/8"	234.073
89.033	SAC-21-130Bar-NW 1 3/8"	234.074
89.034	SAC-22-130Bar-NW 2 1/8"	234.075



TECNAC

COALESCENT HORIZONTAL OIL SEPARATORS

SEPARADORE DE ACEITE COALESCENTE HORIZONTAL

HFC



MAXIMUM WORKING PRESSURE: 32 bar

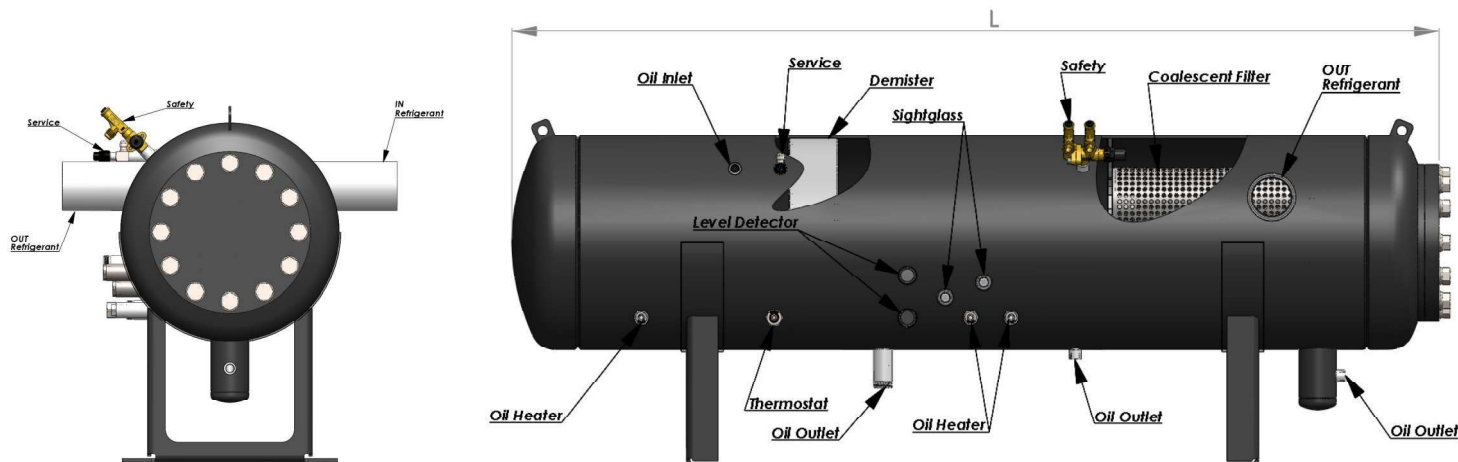
MAXIMA PRESIÓN DE TRABAJO: 32 bar

Combined oil separator, with three steps of separation.

This type of separators offer a much simpler system setup that the primary and secondary separators

Separadores de aceite combinados, con tres etapas de separación.

Este tipo de separadores permiten sistemas más simple que los utilizados con los separadores de aceite primarios y secundarios.



SUPPORT FOR COMPRESSORS ACCORDING TO YOUR REQUIREMENTS
SOPORTE PARA COMPRESORES SEGÚN TUS NECESIDADES

SPARE / REPUESTO

	COALESCENT FILTER	
SACH 333L	Coalescent Filter 167 x 462	A-006110
SACH 385L	Coalescent Filter 167 x 462	A-006110
SACH 655L	Coalescent Filter 167 x 680	A-006122
SACH 900L	Coalescent Filter 167 x 680	A-006122
SACH 1450L	Coalescent Filter 167 x 680	A-006122
SACH 2024L	Coalescent Filter 167 x 680	A-006122



INCLUDED ACCESORIES / ACCESORIOS INCLUIDOS

OIL THERMOSTAT TERMOSTATO DE ACEITE	OIL HEATER (0.07 Tons) RESISTENCIAS (250W)	ELECTRONICAL OIL LEVEL DETECTOR DETECTOR DE NIVEL ELECTRÓNICO	ROTALOCK VALVE 1 3/4" X 7/8" VÁLVULA ROTALOCK	SERVICE VALVE VÁLVULA DE SERVICIO	SAFETY VALVE VÁL. SEGURIDAD
					
A-005071	A-005318 (250W)	A-005256	A-005037	A-005016	A-005039+ A-005136 (X2)





TECNAC

DESIGN PRESSURE
PRESIÓN DE DISEÑO

32 bar

DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-20/+100°C

	Code Código	Kg	Ø mm	L*	MAX. Nº COMPRES- SORS	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 Termostato	Level Detector Detector Nivel	Service Servicio	Safety Seguri- dad	Sightglass Visores								
SACH 333L	112.001	340	508	1959	1	DN100 (Ø114,3)	DN100 (Ø114,3)	Rotalock 1 3/4" + Vortex	Termosi- fon + 1/4" NPT	1/2" NPT	3	3/4" NPT	Rotalock 1 3/4"	1/2" NPT	1/2" NPT	2								
SACH 385L	112.002	355	508	2199	2																			
SACH 655L	112.003	585	610	2569	3	DN125 (Ø139,7)	DN125 (Ø139,7)				4													
SACH 900L	112.004	630	610	3356	4																			
SACH 1450L	112.005	910	813	3181	5																			
SACH 2024L	112.006	1350	914	3499	6																			

NOTE:

* TOLERANCE ± 3%

SELECTION / SELECCIÓN

FOR SELECTION www.tecnac.net

	Maximum suction volume flow (m3/h)				
	High Temperature range - Air Conditioning (5/7°C)		Medium Temperature range - Standard (-10°C)		Low Temperature range Freezing (-35°C)
	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





TECNAC

COALESCENT HORIZONTAL OIL SEPARATORS

SEPARADORE DE ACEITE COALESCENTE HORIZONTAL

NH₃



Combined oil separator, with three steps of separation.

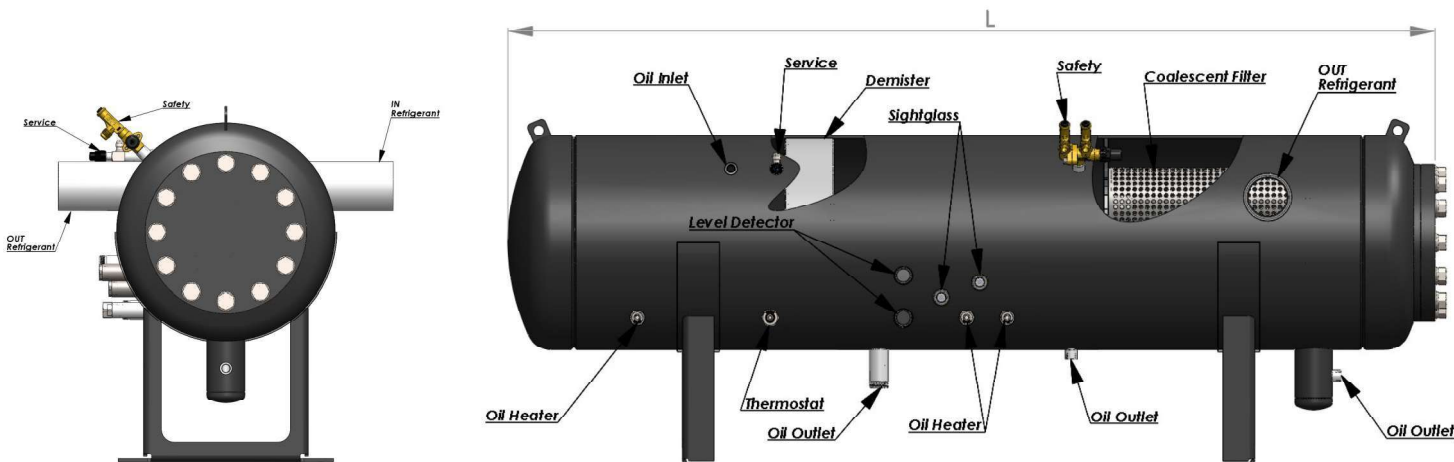
This type of separators offer a much simpler system setup that the primary and secondary separators

Separadores de aceite combinados, con tres etapas de separación.

Este tipo de separadores permiten sistemas más

MAXIMUM WORKING PRESSURE: 32 bar

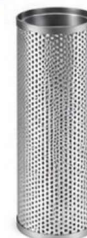
MAXIMA PRESIÓN DE TRABAJO: 32 bar



SPARE / REPUESTO

	COALESCENT FILTER FILTRO COALESCENTE	
SACH 333L-NH ₃	Coalescent Filter 167 x 462	A-006114
SACH 385L-NH ₃	Coalescent Filter 167 x 462	A-006114
SACH 655L-NH ₃	Coalescent Filter 167 x 680	A-006121
SACH 900L-NH ₃	Coalescent Filter 167 x 680	A-006121
SACH 1450L-NH ₃	Coalescent Filter 167 x 680	A-006121
SACH 2024L-NH ₃	Coalescent Filter 167 x 680	A-006121

	COALESCENT FILTER FILTRO COALESCENTE	
SACH 333L-NH ₃ (T)	Coalescent Filter 167 x 462	A-006110
SACH 385L-NH ₃ (T)	Coalescent Filter 167 x 462	A-006110
SACH 655L-NH ₃ (T)	Coalescent Filter 167 x 680	A-006122
SACH 900L-NH ₃ (T)	Coalescent Filter 167 x 680	A-006122
SACH 1450L-NH ₃ (T)	Coalescent Filter 167 x 680	A-006122
SACH 2024L-NH ₃ (T)	Coalescent Filter 167 x 680	A-006122



OPTIONAL / OPCIONAL

OIL THERMOSTAT TERMOSTATO DE ACEITE 	OIL HEATER (0.07 Tons) RESISTENCIAS (250W) 	ELECTRONICAL OIL LEVEL DETECTOR DETECTOR DE NIVEL ELECTRÓNICO 	ROTALOCK VALVE 1 3/4" X 1 3/4"-NH3 VÁLVULA ROTALOCK 	SAFETY VALVE VÁL. SEGURIDAD
A-005071	A-005318 (250W)	A-005256	A-005219	A-005187 + A-005207 (X2)

SUPPORT FOR COMPRESSORS / SOPORTE PARA COMPRESORES





TECNAC

DESIGN PRESSURE
PRESIÓN DE DISEÑO

32 bar

DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-20/+100°C

	Code Código	Kg	Ø (mm)	L	MAX. Nº COMPRESSORS	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 Termostato	Level Detector Detector Nivel	Service Servicio	Safety Seguridad	Sightglass Visores
SACH 333L-NH ₃	112.007	340	508	1959	1	DN100 (Ø114,3)	DN100 (Ø114,3)	Rotalock 1 3/4" + Vortex	Termosifon + 1/4" NPT	1/2" NPT	3	3/4" NPT	Rotalock 1 3/4"	1/2" NPT	1/2" NPT	2
SACH 385L-NH ₃	112.008	355	508	2199	2						DN125 (Ø139,7)					
SACH 655L-NH ₃	112.009	585	610	2569	3											
SACH 900L-NH ₃	112.010	630	610	3281	4											
SACH 1450L-NH ₃	112.011	910	813	3130	5											
SACH 2024L-NH ₃	112.012	1350	914	3499	6											
Donalson filters																

	Code Código	Kg	Ø (mm)	L*	MAX. Nº COMPRESSORS	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 Termostato	Level Detector Detector Nivel	Service Servicio	Safety Seguridad	Sightglass Visores
SACH 333L-NH ₃ (T)	112.015	340	508	1959	1	DN100 (Ø114,3)	DN100 (Ø114,3)	Rotalock 1 3/4" + Vortex	Termosifon + 1/4" NPT	1/2" NPT	3	3/4" NPT	Rotalock 1 3/4"	1/2" NPT	1/2" NPT	2
SACH 385L-NH ₃ (T)	112.016	355	508	2199	2											
SACH 655L-NH ₃ (T)	112.017	585	610	2569	3	DN125 (Ø139,7)	DN125 (Ø139,7)									
SACH 900L-NH ₃ (T)	112.018	630	610	3281	4											
SACH 1450L-NH ₃ (T)	112.019	910	813	3130	5											
SACH 2024L-NH ₃ (T)	112.020	1350	914	3499	6											
TECNAC filters																

SELECTION / SELECCIÓN

FOR SELECTION www.tecnac.net

	Maximum suction volume flow (m ³ /h)		
	High Temperature range	Medium Temperature range	Low Temperature range
	to=+5°C/tc=+35°C	to=-10°C/tc=+35°C	to=-35°C/tc=+35°C
SACH 333L-NH ₃ / SACH 333L-NH ₃ (T)	1068	1050	1050
SACH 385L-NH ₃ / SACH 385L-NH ₃ (T)	1070	1063	1063
SACH 655L-NH ₃ / SACH 655L-NH ₃ (T)	1350	1300	1300
SACH 900L-NH ₃ / SACH 900L-NH ₃ (T)	1800	1658	1692
SACH 1450L-NH ₃ / SACH 1450L-NH ₃ (T)	2800	2490	2592
SACH 2024L-NH ₃ / SACH 2024L-NH ₃ (T)	4100	3600	3800

Other conditions consult : <https://selector.tecnac.net/>
 Otras condiciones consultar: <https://selector.tecnac.net/>



TECNAC

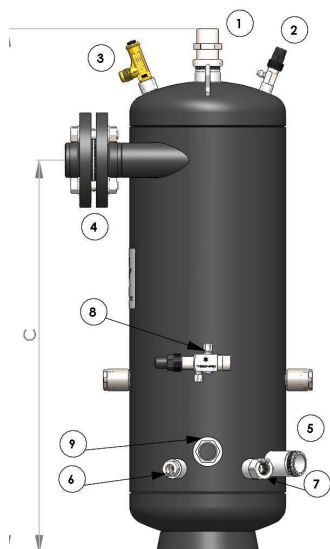
PRIMARY CIRCUIT OIL SEPARATOR FOR SCREW COMPRESSORS

SEPARADORES DE ACEITE PRIMARIO PARA COMPRESOR DE TORNILLO

HFC



MAXIMUM WORKING PRESSURE: 32 bar
MAXIMA PRESIÓN DE TRABAJO: 32 bar



SAP-18L



- 1- Refrigerant Outlet / Salida refrigerante
- 2- Service Valve / Válvula de servicio
- 3- Safety Valve / Válvula de Seguridad
- 4- Refrigerant Inlet / Entrada Refrigerante
- 5- Level Detector Connection / Conexión de indicador de nivel
- 6- Oil Heater / Calentador de Aceite
- 7- Oil Thermostat / Termostato de Aceite
- 8- Oil Inlet / Llenado de Aceite
- 9- Oil Outlet / Salida de Aceite

OPTIONAL / OPCIONAL

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	ROTALOCK VALVE VÁLVULA ROTALOCK	SAFETY VALVE VÁL. SEGURIDAD
					
A-005071	A-005074 (140W)	A-005256	A-005016	A-005001-02	A-005039+ A-005136 (X2)





TECNAC



DESIGN PRESSURE
PRESIÓN DE DISEÑO

32 bar



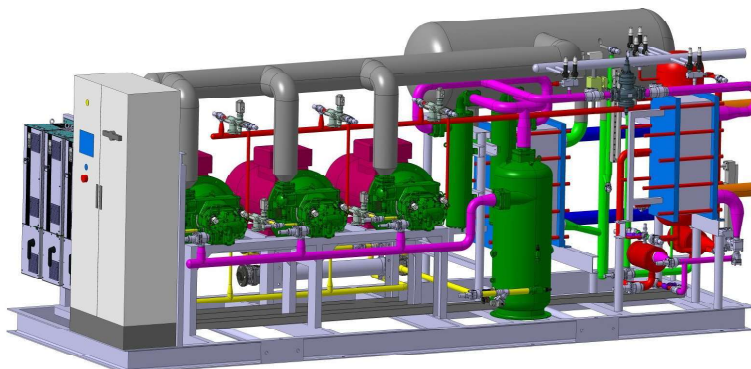
DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-20/+100°C

	MODEL / MODELO	CODE / CÓDIGO	Kg	Ø (mm)	C* (mm)	L* (mm)	TOTAL VOLUME (L) VOLUMEN TOTAL (L)	OIL VOLUME (L) VOLUMEN ACEITE (L)	Nº MAX COMPRESSORS / Nº MÁX COMPRESORES	Nº OIL HEATER Nº RESISTENCIAS	REFRIGERANT INLET ENTRADA REFRIGERANTE	REFRIGERANT OUTLET SALIDA REFRIGERANTE	OIL OUTLET SALIDA ACEITE	SAFETY SEGURIDAD	OIL FILLING INLET LLENADO DE ACEITE
CAT. III	SAP-18L	36.005	40	273	688	912	40	18	2	1	DN50	Adapter 1 3/4" X 1 5/8"	Adapter 1 3/4" X 1 1/8"	1/2" NPT	1 1/4" X 7/8"
CAT. III	SAP-40L	36.001	85	323	974	1262	80	40	3	2	DN 65	DN 65	Adapter 1 3/4" X 1 3/8"	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAP-90L	36.002	214	508	1222	1685	228	90	6	3	DN 100	DN 100	Adapter 2 1/4" X 1 5/8"	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAP-140L	36.003	325	610	1174	1667	385	140	6	3	DN 100	DN 100	Adapter 2 1/4" X 2 1/8"	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAP-250L	36.004	473	610	1924	2647	655	250	6	4	DN 125	DN 125	3 1/8" ODS	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAP-250L (Ø813)	36.024	474	813	1086	1564	655	250	6	4	DN 125	DN 125		1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAP-320L	36.011	510	813	1585	2063	900	320	6	4	DN 125	DN 125		1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAP-450L	36.048	700	914	2206	2796	1450	450	6	5	DN150	DN150	4 1/8" ODS	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAP-600L	36.049	850	914	3095	3824	2024	600	6	5	DN200	DN200		1/2" NPT	1 1/4" X 7/8"

NOTE:

* TOLERANCE ± 3%



SELECTION / SELECCIÓN



FOR SELECTION www.tecnac.net



	Maximum suction volume flow (m3/h)				
	High Temperature range - Air Conditioning to=+5°C/tc=+35°C		Medium Temperature range - Standard to=-10°C/tc=+35°C		Low Temperature range - Freezing to=-35°C/tc=+35°C
	R134a	R404A / R507A	R134a	R404A / R507A	
SAP-18L	250	220	300	300	300
SAP-40L	579	438	660	620	660
SAP-90L	1158	840	1317	1180	1317
SAP-140L	1319	1179	1317	1317	1317
SAP-250L	2050	1900	2300	2100	2500
SAP-320L	2200	2080	2420	2250	2510
SAP-450L	2536	2484	2689	2586	2800
SAP-600L	2888	2905	2970	2938	3114



TECNAC

PRIMARY CIRCUIT OIL SEPARATOR FOR SCREW COMPRESSORS

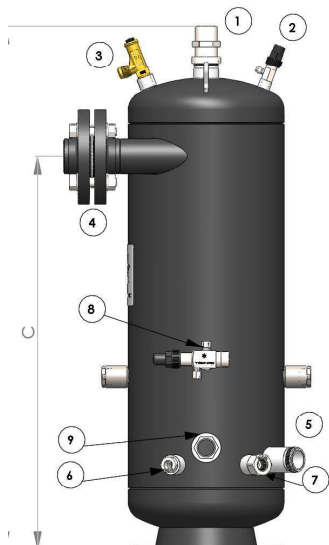
SEPARADORES DE ACEITE PRIMARIO PARA COMPRESOR DE TORNILLO

NH₃



MAXIMUM WORKING PRESSURE: 32 bar

MAXIMA PRESIÓN DE TRABAJO: 32 bar



SAP-18L-NH₃



- 1- Refrigerant Outlet / Salida refrigerante
- 2- Service Valve / Válvula de servicio
- 3- Safety Valve / Válvula de Seguridad
- 4- Refrigerant Inlet / Entrada Refrigerante
- 5- Level Detector Connection / Conexión de indicador de nivel
- 6- Oil Heater / Calentador de Aceite
- 7- Oil Thermostat / Termostato de Aceite
- 8- Oil Inlet / Llenado de Aceite
- 9- Oil Outlet / Salida de Aceite

OPTIONAL / OPCIONAL

OIL THERMOSTAT TERMOSTATO DE ACEITE	OIL HEATER (0.04 Tons) RESISTENCIAS (140W)	ELECTRONICAL OIL LEVEL DETECTOR DETECTOR DE NIVEL ELECTRÓNICO	SAFETY VALVE VÁL. SEGURIDAD
			
A-005071	A-005074 (140W)	A-005256	A-005187 + A-005207 (X2)
OIL OUT / SALIDA DE ACEITE			
SAP-18L-NH.	Rotalock Valve 1 3/4" x 1 3/4" UNF + Adapter 1 3/4" x 1 1/8" (DN25)		A -005219 + A -004110
SAP-40L-NH.	Rotalock Valve 1 3/4" x 1 3/4" UNF + Adapter 1 3/4" x 1 3/8" (DN32)		A -005219 + A -004111
SAP-90L-NH.	Rotalock Valve 2 1/4" X 2 1/4" UNF + Adapter 2 1/4" x 1 5/8" (DN40)		A -005220 + A -004176
SAP-140L-NH.	Rotalock Valve 2 1/4" X 2 1/4" UNF + Adapter 2 1/4" x 2 1/8" (DN50)		A -005220 + A -004177
SAP-250L-NH.	Valve 3" (DN80)		A-005020
SAP-350L-NH.			
SAP-450L-NH.	Valve 4" (DN100)		A-005023
SAP-600L-NH.			





TECNAC

DESIGN PRESSURE
PRESIÓN DE DISEÑO

32 bar

DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-20/+100°C

	MODEL / MODELO	CODE / CÓDIGO	kg	Ø (mm)	C* (mm)	L* (mm)	TOTAL VOLUME (L) / VOLUMEN TOTAL (L)	OIL VOLUME (L) / VOLUMEN ACEITE (L)	Nº MAX COMPRESORS / Nº MÁX COMPRESORES	Nº OIL HEATER Nº RESISTENCIAS	REFRIGERANT INLET ENTRADA REFRIGERANTE	REFRIGERANT OUTLET SALIDA REFRIGERANTE	OIL OUTLET SALIDA ACEITE	SAFETY SEGURIDAD	OIL FILLING INLET LLENADO DE ACEITE
CAT. IV	SAP-18L-NH ₃	36.006	40	273	688	912	40	18	2	1	DN50	Adapter 1 3/4" X 1 5/8"	Adapter 1 3/4" X 1 1/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAP-40L-NH ₃	36.007	85	323	974	1262	80	40	3	2	DN 65	DN 65	Adapter 1 3/4" X 1 3/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAP-90L-NH ₃	36.008	214	508	1222	1685	228	90	6	3	DN 100	DN 100	Adapter 2 1/4" X 1 5/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAP-140L-NH ₃	36.009	325	610	1174	1667	385	140	6	3	DN 100	DN 100	Adapter 2 1/4" X 2 1/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAP-250L-NH ₃	36.010	473	610	1924	2647	655	250	6	4	DN 125	DN 125	3 1/8" ODS	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAP-250L (Ø813)-NH ₃	36.029	474	813	1086	1564	655	250	6	4	DN 125	DN 125		1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAP-320L-NH ₃ -	36.012	510	813	1585	2063	900	320	6	4	DN 125	DN 125		1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAP-450L-NH ₃	36.046	700	914	2206	2796	1450	450	6	5	DN150	DN150	4 1/8" ODS	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAP-600L-NH ₃	36.047	850	914	3095	3824	2024	600	6	5	DN200	DN200		1/2" NPT	Adapter 1 1/4" X 7/8"

NOTE:

* TOLERANCE ± 3%

SELECTION / SELECCIÓN

FOR SELECTION www.tecnac.net

	Maximum suction volume flow (m3/h)		
	High Temperature range	Medium Temperature range	Low Temperature range
	to=+5°C/tc=+35°C	to=-10°C/tc=+35°C	to=-35°C/tc=+35°C
SAP18L-NH3	155	230	298
SAP40L-NH3	318	438	451
SAP90L-NH3	640	899	902
SAP140L-NH3	959	1317	1319
SAP250L-NH3	1452	2050	2498
SAP320L-NH3	1750	2200	2510
SAP450L-NH3	2481	2587	2800
SAP600L-NH3	2900	2940	3117

Other conditions consult : <https://selector.tecnac.net/>Otras condiciones consultar: <https://selector.tecnac.net/>



TECNAC

COALESCENT CIRCUIT OIL SEPARATOR FOR SCREW COMPRESSORS

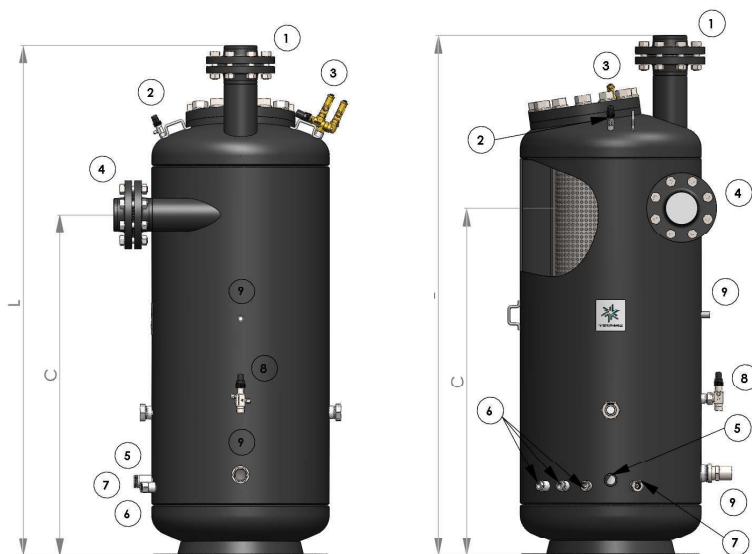
SEPARADORES DE ACEITE COALESCENTE PARA COMPRESOR DE TORNILLO

HFC



MAXIMUM WORKING PRESSURE: 32 bar

MAXIMA PRESIÓN DE TRABAJO: 32 bar



- 1- Refrigerant Outlet / Salida refrigerante
- 2- Service Valve / Válvula de servicio
- 3- Safety Valve / Válvula de Seguridad
- 4- Refrigerant Inlet / Entrada Refrigerante
- 5- Level Detector Connection / Conexión de indicador de nivel
- 6- Oil Heater / Calentador de Aceite
- 7- Oil Thermostat / Termostato de Aceite
- 8- Oil Inlet / Llenado de Aceite
- 9- Oil Outlet / Salida de Aceite

SPARE / REPUESTO

COALESCENT FILTER		
SAPC-40L	Coalescent Filter 55 x 253	A-006108
SAPC-90L	Coalescent Filter 120 x 333	A-006109
SAPC-140L	Coalescent Filter 167 x 462	A-006110
SAPC-250L	Coalescent Filter 167 x 462	A-006110
SAPC-320L	Coalescent Filter 167 x 462	A-006110
SAPC-450L	Coalescent Filter 167 x 462	A-006110
SAPC-600L	Coalescent Filter 167 x 462	A-006110



OPTIONAL / OPCIONAL

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	ROTALOCK VALVE VÁLVULA ROTALOCK	SAFETY VALVE VÁL. SEGURIDAD
					
A-005071	A-005074 (140W)	A-005256	A-005016	A-005001-02	A-005039+ A-005136 (X2)





TECNAC



DESIGN PRESSURE
PRESIÓN DE DISEÑO

32 bar



DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-20/+100°C

	MODEL / MODELO	CODE / CÓDIGO	Kg	Ø (mm)	C * (mm)	L * (mm)	TOTAL VOLUME (L) VOLU-MEN TOTAL (L)	OIL VOLUME (L) VOLUMEN ACEITE (L)	N° MAX COMPRES-SORS N° MÁX COMPRE-SORES	N° OIL HEATER N° RESIS-TENCIAS	REFRIGE-RANT INLET ENTRADA REFRIGE-RANTE	REFRIGE-RANT OUTLET SALIDA REFRIGE-RANTE	OIL OUTLET SALIDA ACEITE	SAFETY SEGURIDAD	OIL FILLING INLET LLENADO DE ACEITE
CAT. III	SAPC-40L	127,008	90	323	974	1329	80	40	3	2	DN 65	DN 65	Adapter 1 3/4" X 1 3/8"	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAPC-90L	127,009	280	508	1222	1809	228	90	6	3	DN 100	DN 100	Adapter 2 1/4" X 1 5/8"	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAPC-140L	127,010	316	610	1174	1756	385	140	6	3	DN 100	DN 100	Adapter 2 1/4" X 2 1/8"	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAPC-250L	127,011	547	813	1086	1659	655	250	6	4	DN 125	DN 125	3 1/8" ODS	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAPC-320L	127,012	600	813	1585	2158	900	320	6	4	DN 125	DN 125		1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAPC-450L	127,013	700	914	2206	2936	1450	450	6	5	DN150	DN150	4 1/8" ODS	1/2" NPT	1 1/4" X 7/8"
CAT. IV	SAPC-600L	127,014	850	914	3123	3851	2024	600	6	5	DN200	DN200		1/2" NPT	1 1/4" X 7/8"

NOTE:

* TOLERANCE ± 3%



SELECTION / SELECCIÓN



FOR SELECTION www.tecnac.net



	Maximum suction volume flow (m3/h)				
	High Temperature range - Air Conditioning to=+5°C/tc=+35°C		Medium Temperature range - Standard to=-10°C/tc=+35°C		Low Temperature range - Freezing to=-35°C/tc=+35°C
	R134a	R404A / R507A	R134a	R404A / R507A	
SAPC-40L	579	438	660	620	451
SAPC-90L	1158	840	1317	1180	660
SAPC-140L	1319	1179	1317	1317	1317
SAPC-250L	2050	1900	2300	2100	2500
SAPC-320L	2200	2080	2420	2250	2510
SAPC-450L	2536	2484	2689	2586	2800
SAPC-600L	2888	2905	2970	2938	3114



TECNAC

COALESCENT CIRCUIT OIL SEPARATOR FOR SCREW COMPRESSORS

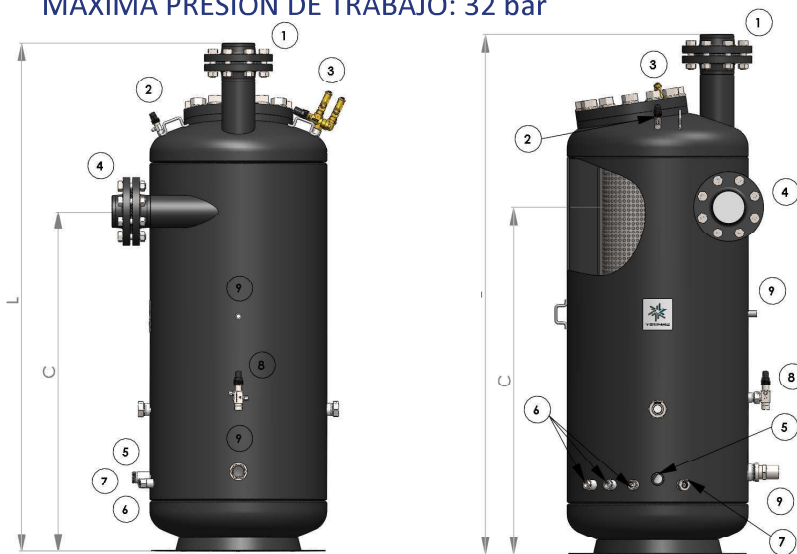
SEPARADORES DE ACEITE COALESCENTE PARA COMPRESOR DE TORNILLO

NH₃



MAXIMUM WORKING PRESSURE: 32 bar

MAXIMA PRESIÓN DE TRABAJO: 32 bar



- 1- Refrigerant Outlet / Salida refrigerante
- 2- Service Valve / Válvula de servicio
- 3- Safety Valve / Válvula de Seguridad
- 4- Refrigerant Inlet / Entrada Refrigerante
- 5- Level Detector Connection / Conexión de indicador de nivel
- 6- Oil Heater / Calentador de Aceite
- 7- Oil Thermostat / Termostato de Aceite
- 8- Oil Inlet / Llenado de Aceite
- 9- Oil Outlet / Salida de Aceite

OPTIONAL / OPCIONAL

OIL THERMOSTAT TERMOSTATO DE ACEITE	OIL HEATER (0.04 Tons) RESISTENCIAS (140W)	ELECTRONICAL OIL LEVEL DETECTOR DETECTOR DE NIVEL ELECTRÓNICO	SAFETY VALVE VÁL. SEGURIDAD
			
A-005071	A-005074 (140W)	A-005256	A-005187 + A-005207 (X2)

OIL OUT / SALIDA DE ACEITE		
SAP-40L-NH.	Rotalock Valve 1 3/4" x 1 3/4" UNF + Adapter 1 3/4" x 1 3/8" (DN32)	A-005219 + A-004111
SAP-90L-NH.	Rotalock Valve 2 1/4" X 2 1/4" UNF + Adapter 2 1/4" x 1 5/8" (DN40)	A-005220 + A-004176
SAP-140L-NH.	Rotalock Valve 2 1/4" X 2 1/4" UNF + Adapter 2 1/4" x 2 1/8" (DN50)	A-005220 + A-004177
SAP-250L-NH.	Valve 3" (DN80)	A-005020
SAP-350L-NH.		
SAP-450L-NH.		
SAP-600L-NH.	Valve 4" (DN100)	A-005023

SPARE / REPUESTO

COALESCENT FILTER FILTRO COALESCENTE		
SAPC40L-NH3	Coalescent Filter 55 x 253	A-006112
SAPC90L-NH3	Coalescent Filter 120 x 333	A-006113
SAPC140L-NH3	Coalescent Filter 167 x 462	A-006114
SAPC250L-NH3	Coalescent Filter 167 x 462	A-006114
SAPC320L-NH3	Coalescent Filter 167 x 462	A-006114
SAPC450L-NH3	Coalescent Filter 167 x 462	A-006114
SAPC600L-NH3	Coalescent Filter 167 x 462	A-006114
COALESCENT FILTER FILTRO COALESCENTE		
SAPC-40L-NH3(T)	Coalescent Filter 55 x 253	A-006108
SAPC-90L-NH3(T)	Coalescent Filter 120 x 333	A-006109
SAPC-140L-NH3(T)	Coalescent Filter 167 x 462	A-006110
SAPC-250L-NH3(T)	Coalescent Filter 167 x 462	A-006110
SAPC-320L-NH3(T)	Coalescent Filter 167 x 462	A-006110
SAPC-450L-NH3(T)	Coalescent Filter 167 x 462	A-006110
SAPC-600L-NH3(T)	Coalescent Filter 167 x 462	A-006110





TECNAC



DESIGN PRESSURE
PRESIÓN DE DISEÑO

32 bar



DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-20/+100°C

	MODEL MODELO	CODE CÓDIGO	Kg	Ø (mm)	C* (mm)	L* (mm)	TOTAL VOLUME (L) VOLUMEN TOTAL (L)	OIL OLUME (L) VOLUMEN ACEITE (L)	Nº MAX COMPRES- SORS Nº MÁX COMPRESO- RES	Nº OIL HEATER Nº RESIS- TENCIAS	REFRIGERANT INLET ENTRADA REFRIGERANTE	REFRIGERANT OUTLET SALIDA REFRIGERANTE	OIL OUTLET SALIDA ACEITE	SAFETY SEGURIDAD	OIL FILLING INLET LLENADO DE ACEITE
CAT. IV	SAPC-40L-NH ₃	127.004	90	323	974	1329	80	40	3	2	DN 65	DN 65	Adapter 1 3/4" X 1 3/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-90L-NH ₃	127.003	280	508	1222	1809	228	90	6	3	DN 100	DN 100	Adapter 2 1/4" X 1 5/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-140L-NH ₃	127.001	316	610	1174	1756	385	140	6	3	DN 100	DN 100	Adapter 2 1/4" X 2 1/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-250L-NH ₃	127.002	547	813	1086	1659	655	250	6	4	DN 125	DN 125	3 1/8" ODS	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-320L-NH ₃	127.005	600	813	1585	2158	900	320	6	4	DN 125	DN 125		1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-450L-NH ₃	127.006	700	914	2206	2936	1450	450	6	5	DN150	DN150	4 1/8" ODS	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-600L-NH ₃	127.007	850	914	3123	3851	2024	600	6	5	DN200	DN200		1/2" NPT	Adapter 1 1/4" X 7/8"

Donalson filters

	MODEL MODELO	CODE CÓDIGO	Kg	Ø (mm)	C* (mm)	L* (mm)	TOTAL VOLUME (L) VOLUMEN TOTAL (L)	OIL VOLUME (L) VOLUMEN ACEITE (L)	Nº MAX COMPRES- SORS Nº MÁX COMPRESO- RES	Nº OIL HEATER Nº RESIS- TENCIAS	REFRIGERANT INLET ENTRADA REFRIGERANTE	REFRIGERANT OUTLET SALIDA REFRIGERANTE	OIL OUTLET SALIDA ACEITE	SAFETY SEGURIDAD	OIL FILLING INLET LLENADO DE ACEITE
CAT. IV	SAPC-40L-NH ₃ (T)	127.015	90	323	974	1329	80	40	3	2	DN 65	DN 65	Adapter 1 3/4" X 1 3/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-90L-NH ₃ (T)	127.016	280	508	1222	1809	228	90	6	3	DN 100	DN 100	Adapter 2 1/4" X 1 5/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-140L-NH ₃ (T)	127.017	316	610	1174	1756	385	140	6	3	DN 100	DN 100	Adapter 2 1/4" X 2 1/8"	1/2" NPT	Adapter 1 1/4" X 7/8"
CAT. IV	SAPC-250L-NH ₃ (T)	127.018	547	813	1086	1659	655	250	6	4	DN 125	DN 125	3 1/8" ODS	1/2" NPT	Adapter
CAT. IV	SAPC-320L-NH ₃ (T)	127.019	600	813	1585	2158	900	320	6	4	DN 125	DN 125		1/2" NPT	Adapter
CAT. IV	SAPC-450L-NH ₃ (T)	127.020	700	914	2206	2936	1450	450	6	5	DN150	DN150	4 1/8" ODS	1/2" NPT	Adapter
CAT. IV	SAPC-600L-NH ₃ (T)	127.021	850	914	3123	3851	2024	600	6	5	DN200	DN200		1/2" NPT	Adapter

TECNAC filters

SELECTION / SELECCIÓN



FOR SELECTION www.tecnac.net



	Maximum suction volume flow (m3/h)		
	High Temperature range	Medium Temperature range	Low Temperature range
	to=+5°C/tc=+35°C	to=-10°C/tc=+35°C	to=-35°C/tc=+35°C
SAPC40L-NH3	318	438	451
SAPC90L-NH3	640	899	902
SAPC140L-NH3	959	1317	1319
SAPC250L-NH3	1452	2050	2498
SAPC320L-NH3	1750	2200	2510
SAPC450L-NH3	2481	2587	2800
SAPC600L-NH3	2900	2940	3117



TECNAC

HERMETIC AND SECTIONAL OIL SEPARATORS

SEPARADORES DE ACEITE HERMÉTICOS Y DESMONTABLES

A2L-A3

CO₂

HFC



The gas slows down inside the oil separator and changes direction, creating a high degree of oil separation by gravity.

The oil goes out and returns to the system through the float valve due to the pressure difference

El gas reduce su velocidad en el interior del separador de aceite y cambia de dirección, creando un alto grado de separación del aceite por la gravedad

El aceite sale y vuelve al sistema a través de la válvula flotador debido a la diferencia de presión

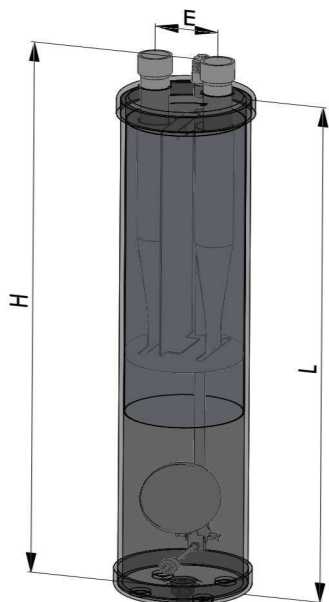


UK
CA



MAXIMUM WORKING PRESSURE: 45 bar

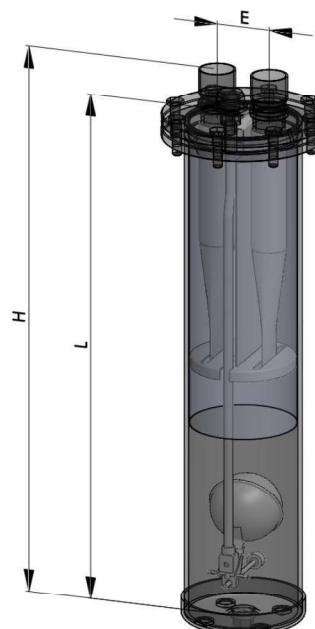
MAXIMA PRESIÓN DE TRABAJO: 45 bar



HERMETIC OIL SEPARATORS

SEPARADORES DE ACEITE HERMÉTICOS

MODELS SH



SECTIONAL OIL SEPARATORS

SEPARADORES DE ACEITE DESMONTABLES

MODELS SD





TECNAC

DESIGN PRESSURE
PRESIÓN DE DISEÑO

45 bar

DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-10/120°C

			Kg	Vt (L)	Va (L)	Dimensions				
						Ø	H*	L*	E	Oil back hole
CAT.I	SH1 (1/2")-45	76,008	3,4	2	0,7	102	290	255	52	1/4"
CAT.I	SH2 (5/8)-45	76,009	4,2	2,7	0,7	102	385	350	52	1/4"
CAT.I	SH3 (7/8")-45	76,010	5,2	3,5	0,7	102	493	455	52	3/8"
CAT.I	SH4 (1 1/8")-45	76,011	5,5	4	0,7	102	525	485	52	3/8"
CAT.I	SH5 (1 3/8")-45	76,012	6,5	5	0,87	114	535	485	60	3/8"
CAT.II	SH6 (1 5/8")-45	76,013	10,3	7,5	1,54	152	480	430	80	3/8"
CAT.II	SH7 (2 1/8")-45	76,014	11,6	8,5	1,54	152	545	490	80	3/8"

			Kg	Vt (L)	Va (L)	Dimensions (mm)				
						Ø	H*	L*	E	Oil back hole
CAT.I	SD1 (1/2")-45	77.008	5.1	2	0.7	102	290	255	48	1/4"
CAT.I	SD2 (5/8)-45	77.009	5.6	2.7	0.7	102	385	350	48	1/4"
CAT.I	SD3 (7/8")-45	77.010	7.2	3.5	0.7	102	493	455	48	3/8"
CAT.I	SD4 (1 1/8")-45	77.011	7.5	4	0.7	102	525	485	48	3/8"
CAT.I	SD5 (1 3/8")-45	77.012	8	5	0.87	114	535	485	57	3/8"
CAT.II	SD6 (1 5/8")-45	77.013	13.2	7.5	1.54	152	480	430	75	3/8"
CAT.II	SD7 (2 1/8")-45	77.014	13.7	8.5	1.54	152	545	490	75	3/8"

NOTE:

* TOLERANCE ± 3%

SELECTION / SELECCIÓN

FOR SELECTION www.tecnac.net

			Capacity Kw at Evap. Temp. °C Capacidad Kw a Temp. Evap. °C						Capacity Kw at Evap. Temp. °C Capacidad Kw a Temp. Evap. °C		
			R-134a		R-404A/507		R-407		CO2	R454C	R290
			-40°C	5°C	-40°C	5°C	-40°C	5°C	-10°C	-35°C	-35°C
CAT.I	SH1 (1/2")-45	76.008	3,9	4,7	5,6	7,2	5,7	6,9	3-10	4-12	5-16
CAT.I	SH2 (5/8)-45	76.009	10,9	13,2	15,4	19,8	15,6	18,8	10-25	12-28	16-38
CAT.I	SH3 (7/8")-45	76.010	16,3	19,9	23	29,7	23,4	27,9	25-50	28-55	38-75
CAT.I	SH4 (1 1/8")-45	76.011	21,2	26	30,2	39	31	37	50-100	55-95	75-130
CAT.I	SH5 (1 3/8")-45	76.012	25,1	33,2	38,6	49,9	40,2	46,7	100-180	95-170	130-230
CAT.II	SH6 (1 5/8")-45	76.013	37,7	46	53,4	68,9	54,5	65,1	180-320	170-300	230-400
CAT.II	SH7 (2 1/8")-45	76.014	60,4	73,9	85,8	110,3	87,6	104,3	320-550	300-520	400-700

			Capacity Kw at Evap. Temp. °C Capacidad Kw a Temp. Evap. °C						Capacity Kw at Evap. Temp. °C Capacidad Kw a Temp. Evap. °C		
			R-134a		R-404A/507		R-407		CO2	R454C	R290
			-40°C	5°C	-40°C	5°C	-40°C	5°C	-10°C	-35°C	-35°C
CAT.I	SD1 (1/2")-45	77.008	3,9	4,7	5,6	7,2	5,7	6,9	3-10	4-12	5-16
CAT.I	SD2 (5/8)-45	77.009	10,9	13,2	15,4	19,8	15,6	18,8	10-25	12-28	16-38
CAT.I	SD3 (7/8")-45	77.010	16,3	19,9	23	29,7	23,4	27,9	25-50	28-55	38-75
CAT.I	SD4 (1 1/8")-45	77.011	21,2	26	30,2	39	31	37	50-100	55-95	75-130
CAT.I	SD5 (1 3/8")-45	77.012	25,1	33,2	38,6	49,9	40,2	46,7	100-180	95-170	130-230
CAT.II	SD6 (1 5/8")-45	77.013	37,7	46	53,4	68,9	54,5	65,1	180-320	170-300	230-400
CAT.II	SD7 (2 1/8")-45	77.014	60,4	73,9	85,8	110,3	87,6	104,3	320-550	300-520	400-700

Capacities are indicative and based on standard operating conditions. Final separator selection must consider compressor type, oil circulation ratio, refrigerant velocity and installation design.

Las capacidades son orientativas y están basadas en condiciones estándar de funcionamiento. La selección final del separador debe considerar el tipo de compresor, tasa de arrastre de aceite, velocidad del refrigerante y diseño de la instalación.



TECNAC

HIGH PRESSURE OIL SEPARATOR VESSEL RECIPIENTE SEPARADOR DE ACEITE DE ALTA PRESIÓN

A2L-A3

CO₂

HFC



Combination oil separator and oil receiver.

The removed oil is stored in the reservoir part of the vessel where residual refrigerant will evaporate.

While the system is running, the oil reservoir should be filled with the compressor refrigeration oil up to the upper sight glass. If the oil level in the reservoir drops below the lower sight glass level, oil must be refilled.

Reduction of the time of assembly / Reduction of quantity of components / Without inside float

Es una combinación entre separador de aceite y recipiente de aceite.

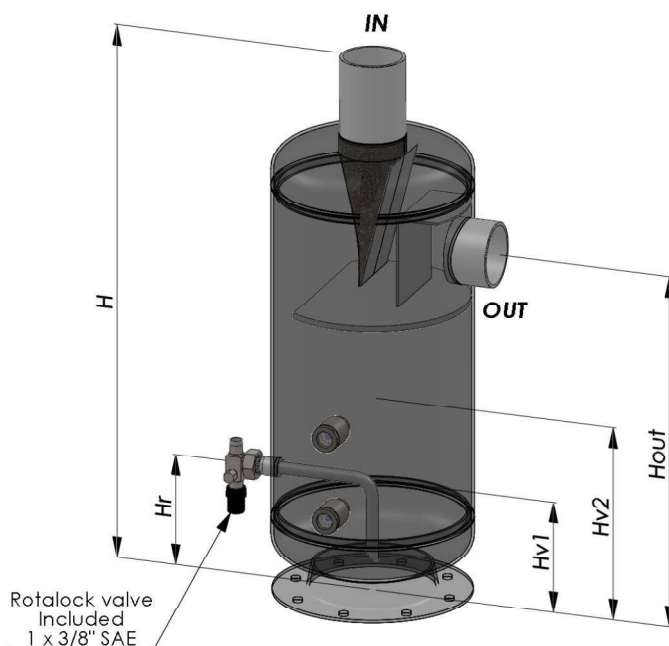
El aceite separado es almacenado en la parte del depósito donde el refrigerante residual se evaporará.

Durante el funcionamiento del sistema, el depósito debería ser llenado con el aceite de refrigeración del compresor hasta el visor superior. Si el nivel del aceite en el depósito se cayera por debajo del nivel del visor inferior, el aceite debe ser rellenado.

Reduce el tiempo de montaje / Reduce el número de elementos necesarios / Sin elemento mecánico en su interior (sin boya)

MAXIMUM WORKING PRESSURE: 45 bar

MAXIMA PRESIÓN DE TRABAJO: 45 bar





TECNAC

DESIGN PRESSURE
PRESIÓN DE DISEÑO

32 bar

DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-20/+100°C

				Kg	V (L)				Dimensions					
									Dimensiones mm)					
									Va	Vt	Vv1	Vv2	Ø	Hout*
CAT. II	SAV-3,5	7/8"	53.001	8,5	3,5	9	0,9	2,1	159	426	69	65	123	546
CAT. II	SAV-3,5	1 1/8"	53.002	8,5	3,5	9	0,9	2,1	159	426	69	65	123	546
CAT. II	SAV-3,5	1 3/8"	53.003	8,5	3,5	9	0,9	2,1	159	426	69	65	123	546
CAT. II	SAV-9,5	1 3/8"	53.004	17	9,5	17	2,9	5,6	193	584	104	137	237	714
CAT. II	SAV-9,5	1 5/8"	53.005	17	9,5	17	2,9	5,6	193	584	104	137	237	714
CAT. II	SAV-9,5	2 1/8"	53.006	17	9,5	17	2,9	5,6	193	584	104	137	237	714
CAT. III	SAV-20	2 1/8"	53.007	25	20	31	5,5	12	273	500	157	157	274	760
CAT. III	SAV-20	2 5/8"	53.008	25	20	31	5,5	12	273	500	157	157	274	760
CAT. III	SAV-20	3 1/8"	53.009	25	20	31	5,5	12	273	500	157	157	274	760

DESIGN PRESSURE
PRESIÓN DE DISEÑO

45 bar

DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-10/100°C

(Subcritical)				Kg	V (L)				Dimensions					
									Dimensiones					
					(mm)						Ø	Hout*	Hr*	Hv1*
CAT. II	SAV-3,5/45	7/8"	53.010	10	3.5	9	0,9	2,1	159	426	69	65	123	546
CAT. II	SAV-3,5/45	1 1/8"	53.011	10	3.5	9	0,9	2,1	159	426	69	65	123	546
CAT. II	SAV-3,5/45	1 3/8"	53.012	10	3.5	9	0,9	2,1	159	426	69	65	123	546
CAT. II	SAV-9,5/45	1 3/8"	53.013	19	9.5	17	2,9	5,6	193	584	104	137	237	714
CAT. II	SAV-9,5/45	1 5/8"	53.014	19	9.5	17	2,9	5,6	193	584	104	137	237	714
CAT. II	SAV-9,5/45	2 1/8"	53.015	19	9.5	17	2,9	5,6	193	584	104	137	237	714
CAT. III	SAV-20/45	2 1/8"	53.016	28	20	31	5,5	12	273	500	157	157	274	760
CAT. III	SAV-20/45	2 5/8"	53.017	28	20	31	5,5	12	273	500	157	157	274	760
CAT. III	SAV-20/45	3 1/8"	53.018	28	20	31	5,5	12	273	500	157	157	274	760

All models include rotalock valve 1"x 3/8" SAE in oil outlet connections

Todos los modelos incluyen válvula rotalock 1" x 3/8" SAE en la conexión de salida de aceite.



NOTE:

* TOLERANCE ± 3%

Va : Oil Separator Volume

Volumen Separador de aceite

Vt : Va + Oil Receiver Volume.

Va+ Volumen Recipiente de aceite

SELECTION / SELECCIÓN

FOR SELECTION www.tecnac.net

			Maximum Capacity Capacidad Máxima Kw TCond +45°C & Tevap (°C)				Maximum Capacity Capacidad Máxima Kw TCond +45°C & Tevap (°C)	
			R134a		R404A		CO ₂	R290
			-30°C	+5°C	-40°C	+5°C	+5°C	+5°C
CAT. II	SAV-3,5	7/8"	28	30	36	45	35	45
CAT. II	SAV-3,5	1 1/8"	35	41	52	60	55	70
CAT. II	SAV-3,5	1 3/8"	40	50	60	70	85	110
CAT. II	SAV-9,5	1 3/8"	60	80	80	120	115	150
CAT. II	SAV-9,5	1 5/8"	85	100	110	160	155	200
CAT. II	SAV-9,5	2 1/8"	90	100	145	165	157	205
CAT. III	SAV-20	2 1/8"	120	152	170	252	230	300
CAT. III	SAV-20	2 5/8"	158	180	268	300	330	430
CAT. III	SAV-20	3 1/8"	158	180	268	300	430	560



TECNAC

HELICOIDAL OIL SEPARATORS

SEPARADORES DE ACEITE HELICOIDALES

HFC



The gas slows down inside the oil separator and changes direction, creating a high degree of oil separation by gravity.

The oil goes out and returns to the system through the float valve due to the pressure difference

El gas reduce su velocidad en el interior del separador de aceite y cambia de dirección, creando un alto grado de separación del aceite por la gravedad

El aceite sale y vuelve al sistema a través de la válvula flotador debido a la diferencia de presión

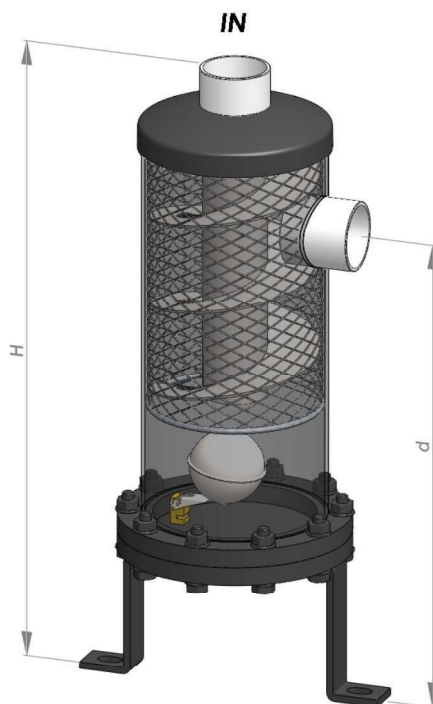


UK
CA



MAXIMUM WORKING PRESSURE: 30 bar

MAXIMA PRESIÓN DE TRABAJO: 30 bar





TECNAC



DESIGN PRESSURE
PRESIÓN DE DISEÑO

30 bar

DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-10/100°C

			Kg	Vt (L)	Va (L)	Dimensions		
						Ø	H*	d
CAT.I	SAH 6 1 3/8"	149.023	10	6	3	159	518	417
CAT.I	SAH 6.5 1 5/8"	149.024	10	6.5	3	159	560	455
CAT.I	SAH 6.5 2 1/8"	149.025	11	6.5	3	159	555	416

Other conditions consult : <https://selector.tecnac.net/>
Otras condiciones consultar: <https://selector.tecnac.net/>

NOTE:

* TOLERANCE $\pm 3\%$

SELECTION / SELECCIÓN

FOR SELECTION www.tecnac.net

			Capacity Kw at Evap. Temp. °C Capacidad Kw a Temp. Evap. °C			
			R134a		R404A/507	
			-40°C	+5°C	-40°C	+5°C
CAT.I	SAH 6 1 3/8"	149.023	36	42	51	65
CAT.I	SAH 6.5 1 5/8"	149.024	45	50	62	76
CAT.I	SAH 6.5 2 1/8"	149.025	70	81	90	115

Other conditions consult : <https://selector.tecnac.net/>
Otras condiciones consultar: <https://selector.tecnac.net/>



TECNAC

SECTIONAL OIL SEPARATORS

SEPARADORES DE ACEITE DESMONTABLES

CO₂

HFC



MAXIMUM WORKING PRESSURE: 31 bar

MAXIMA PRESIÓN DE TRABAJO: 31 bar

The gas slows down inside the oil separator and changes direction, creating a high degree of oil separation by gravity.

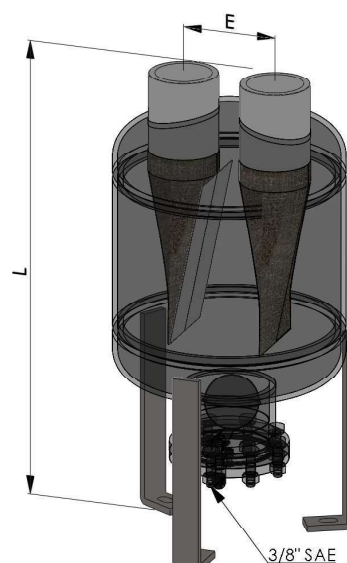
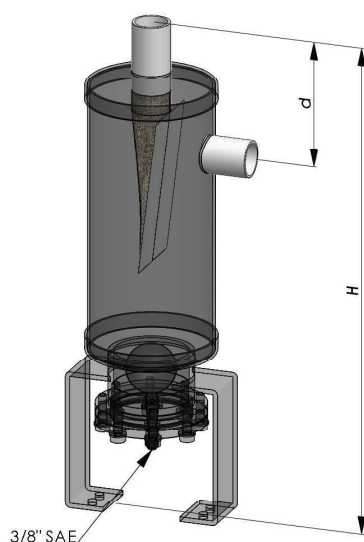
The oil goes out and returns to the system through the float valve due to the pressure difference

El gas reduce su velocidad en el interior del separador de aceite y cambia de dirección, creando un alto grado de separación del aceite por la gravedad

El aceite sale y vuelve al sistema a través de la válvula flotador debido a la diferencia de presión



UK
CA



SPARE / REPUESTO

FLANGE-FLOAT
BRIDA-BOYA
(O-RING INCLUDED/ JUNTA INCLUIDA)



A-004156





TECNAC



DESIGN PRESSURE
PRESIÓN DE DISEÑO

31 bar



DESIGN TEMPERATURE
TEMPERATURA DE DISEÑO

-10/120°C

			Kg	V (L)		Dimensions (mm)		
				Va	Vt	Ø	H*	d
CAT. I	SA-5 1 5/8"	52.005	12	5	7.5	159	641.5	163
CAT. I	SA-5 2 1/8"	52.006	12	5	7.5	159	641.5	163
CAT. I	SA-8 1 5/8"	52.001	16	8	11	219	488	114
CAT. I	SA-8 2 1/8"	52.002	16	8	11	219	484	114
CAT. I	SA-13 2 5/8"	52.003	22.5	13	20	273	562	114
CAT. II	SA-25 3 1/8"	52.004	26	25	31	323	636	170

Va : Oil Separator Volume / Volumen Separador de aceite

Vt : Total Volume = Va + Oil Receiver Volume / Volumen Total=Va + Volumen Recipiente de Aceite

NOTE:

* TOLERANCE $\pm 3\%$

SELECTION / SELECCIÓN



FOR SELECTION www.tecnac.net



			Capacity Kw at Evap. Temp. °C Capacidad Kw a Temp. Evap. °C				Capacity Kw at Evap. Temp. °C Capacidad Kw a Temp. Evap. °C	
			R134a		R404A/507		CO ₂	
			-40°C	+5°C	-40°C	+5°C	-40°C	+5°C
CAT. I	SA-5 1 5/8"	52.005	37	45	53	68	30	60
CAT. I	SA-5 2 1/8"	52.006	60	73	85	109	55	105
CAT. I	SA-8 1 5/8"	52.001	48	60	66	88	45	85
CAT. I	SA-8 2 1/8"	52.002	73	88	98	128	70	135
CAT. I	SA-13 2 5/8"	52.003	129	160	168	237	125	240
CAT. II	SA-25 3 1/8"	52.004	182	222	252	330	200	390

Other conditions consult : <https://selector.tecnac.net/>
Otras condiciones consultar : <https://selector.tecnac.net/>



TECNAC

MINIMUM LIQUID LEVEL ELECTRICAL GAUGE OPTIONAL FOR PRIMARY OIL SEPARATOR DETECTOR ELECTRICO DE NIVEL OPCIONAL PARA SEPARADOR DE ACEITE PRIMARIO

NH₃

CO₂

HFC



The optical level switch has been designed for use in level monitoring applications for the control of low viscosity liquids. It comprises an optical sensor and an output switch. It is realized in two parts to let it possible to replace the electronics without the needing of emptying or depressurizing the plant.

The sensor is suitable as minimum or maximum alarm.

No need for calibrations on the field.

Unit conform to directives: 2004-108-CE and CEI EN 60204-1:2006

El interruptor de nivel óptico ha sido diseñado para aplicaciones que supervisan el control de líquidos de baja viscosidad. Compuesto por un sensor óptico y un interruptor de salida. Es realizado en dos partes para poder sustituir la parte electrónica sin necesidad de vaciar o despresurizar la planta.

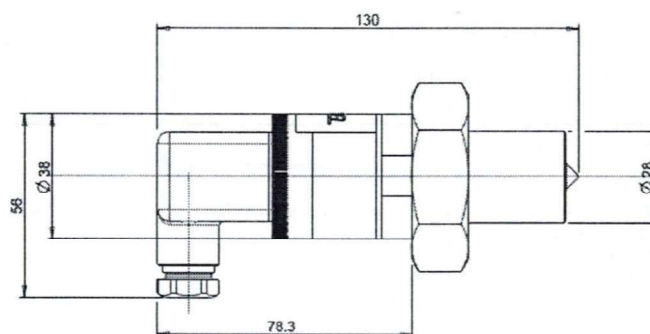
El sensor es válido como alarma mínima o máxima.

Ninguna necesidad de calibraciones sobre el campo.

Conforme a directivas: 2004-108-CE and CEI EN 60204-1:2006

MAXIMUM WORKING PRESSURE: 45 bar

MAXIMA PRESIÓN DE TRABAJO: 45 bar





45 bar -40 /125°C

LIQUID LEVEL ELECTRICAL GAUGE

DETECTOR NIVEL DE LÍQUIDO ELECTRÓNICO

CODE CODIGO	MODEL MODELO	Electrical Characteristics Voltaje	Contact Type with solid Contacto señal con sólido	Connection Conexión
A-005256	RLK02	230VAC@50Hz	Open / Abierto	Rotalock 1 3/4"

SUPPLY VOLTAGE / VOLTAJE	230 VAC @50Hz
ELECTRICAL CONNECTION / CONEXIÓN ELÉCTRICA	EN 175301-803A connector (EX DIN 43650 size A)
OUTPUT SIGNAL / SEÑAL DE SALIDA	Solid state output Normally Open or Normally Close in air / Salida normalmente abierta en estado sólido ó cerrada en aire
SUPPLY CURRENT / CORRIENTE DE SUMINISTRO	20mA max during normal operation / Máx, 20 mA durante operación normal
OUTPUT MAX. CURRENT / MÁX. CORRIENTE DE SALIDA	Up to 100 mA / Hasta 100 mA
HOUSING MATERIAL / MATERIAL	Nickel plated Steel / Acero niquelado
ENCLOSURE PROTECTION CLASS / CLASE DE PROTECCIÓN	IP 65
AMBIENT TEMPERATURE / TEMP. AMBIENTE	-40°C / +125°C
MAXIMUM PRESSURE / PRESIÓN MÁXIMA	46 bar
TORQUE TIGHTEN / PAR DE APRIETE	50 Nm for adapter installation on the system / 50 Nm para adaptadores.



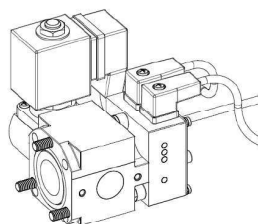
TECNAC

ELECTRONICAL OIL LEVEL REGULATORS

REGULADORES DE NIVEL DE ACEITE ELECTRÓNICO

CO₂

HFC



DESIGNED TO MEET THE HIGHEST REQUIREMENTS

- Highly reliable electronic regulator of oil level in the compressor crankcase.
- This regulator maintains the oil level constant, independently of the oil flow rate or system conditions.
- Optimum operation: 0° to 60°C
- Universal power supply: 100 to 240V AC
- LED light to indicate the state of the regulator
- Compact and robust design
- Electrical box protection: IP65
- Compatible with all mineral oils and synthetic oils (POE)



DISEÑADO PARA CUMPLIR CON LOS MÁS ALTOS REQUISITOS

- Regulador electrónico de nivel de aceite en el cárter del compresor de alta fiabilidad.
- Este regulador mantiene el nivel de aceite constante, independientemente del caudal de aceite o de las condiciones del sistema.
- Funcionamiento óptimo: 0° a 60°C
- Alimentación universal: 100 a 240V AC
- Luz LED para indicar el estado del regulador
- Diseño compacto y robusto
- Protección de la caja eléctrica: IP65
- Compatible con todos los aceites minerales y sintéticos (POE)

MAXIMUM WORKING PRESSURE: 130 bar

MÁXIMA PRESIÓN DE TRABAJO: 130 bar

CE

Specially designed to control the oil level in oil separator and oil receiver of refrigeration and air conditioning systems. This regulator controls the oil level by opening or closing a solenoid valve.

Diseñado especialmente para controlar el nivel de aceite en el separador de aceite y en el receptor de aceite en sistemas de refrigeración y aire acondicionado. Este regulador controla el nivel de aceite mediante la apertura o cierre de una válvula solenoide.



MAIN FEATURES

- Very reliable electronic oil level controller
- LED to indicate the state of the regulator and to facilitate maintenance
- Compatible with all mineral oils and synthetic oils used in refrigeration and air conditioning
- High level of protection: IP65
- 24V AC/DC solenoid valve with manual reset included
- Connection with 1/4" SAE flare (other connections available on request)
- In accordance with standards: 2004/108/EC and EN 55014-1:2006



CARACTERÍSTICAS PRINCIPALES

- Alta fiabilidad regulador electrónico de nivel de aceite
- Luz LED para indicar el estado del regulador y facilitar el mantenimiento
- Compatible con todos los aceites minerales y sintéticos utilizados en la refrigeración y el aire acondicionado
- Alto nivel de protección: IP65
- Válvula solenoide 24V AC/DC con reset manual incluida
- Conexión 1/4" SAE flare (otras conexiones disponibles bajo pedido)
- Conforme a las normativas: 2004/108/EC y EN 55014-1:2006





ELECTRONICAL OIL LEVEL REGULATORS FOR COMPRESSOR

REGULADORES DE NIVEL DE ACEITE ELECTRÓNICO PARA COMPRESOR

FOR COMPRESSOR PARA COMPRESOR	Code Código	Max. Working Pressure	MOPD
TK3- 46bar-230V	A-005241	46 bar	26 bar
TK3- 46bar-24V	A-005244		
TK3- 80bar-230V	A-005242	80 bar	60 bar
TK3- 80bar-24V	A-005245		
TK3- 130bar-230V	A-005243	130 bar	100 bar
TK3- 130bar-24V	A-005246		

MAPO: Maximum Allowable Pressure (PS): Highest admissible Pressure of the system / *Máxima Presión de Servicio permisible del sistema (PS):*
Máxima presión admisible del sistema

ELECTRONICAL OIL LEVEL REGULATORS FOR OIL SEPARATOR

REGULADORES DE NIVEL DE ACEITE ELECTRÓNICO PARA SEPARADOR

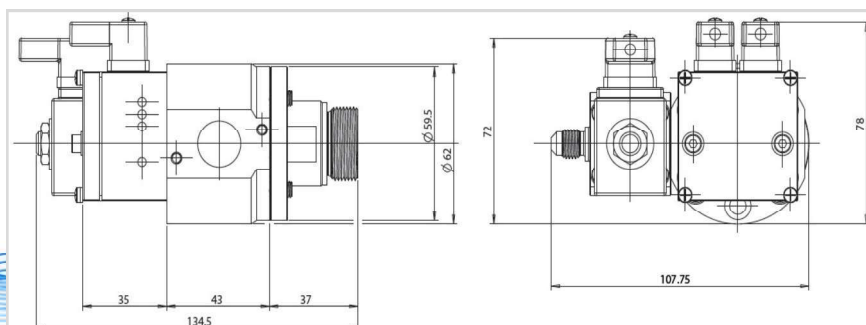
FOR SEPARATOR PARA SEPARADOR	Code Código	Max. Working Pressure	MOPD
TK3-S- 46bar-230V	A-005322	45 bar	26 bar
TK3-S- 46bar-24V	A-005324		
TK3-S- 130bar-230V	A-005323	130 bar	100 bar
TK3-S- 130bar-24V	A-005325		

MAPO: Maximum Allowable Pressure (PS): Highest admissible Pressure of the system / *Máxima Presión de Servicio permisible del sistema (PS):*
Máxima presión admisible del sistema

AVAILABLE FOR NH₃: CONSULT

DISPONIBLE PARA NH₃: CONSULTAR

SUPPLY VOLTAGE / VOLTAJE	230 VAC $\pm$ 10%
ELECTRICAL CONNECTION / CONEXIÓN ELÉCTRICA	9,4mm Industry Standard Connectors / EN175301-803 Connector or spare wires / cables de re-puesto
OUTPUT SIGNAL / SEÑAL DE SALIDA	Contact free relay output NO and NC
RELAY OUTPUTS / SALIDA	Up to 230VAC @2A / Hasta 230VAC @2A
HOUSING MATERIAL / MATERIAL	Nickel plated Steel/ Acero niquelado
ENCLOSURE PROTECTION CLASS / CLASE DE PROTECCIÓN	IP 65
MEDIA TEMPERATURE / TEMPERATURA MEDIA	-40°C / +85°C
AMBIENT TEMPERATURE / TEMPERATURA AMBIENTE	-40°C / +60°C
OIL RETURN LINE / LINEA DE RETORNO DE ACEITE	7/16 - 20 UNEF male / macho
CABLE TYPE / TIPO DE CABLE	PVC cable CEI 20-22. Working temp / Temp. trabajo.: -20 / +70°C (fixed laying / trazado fijo)





ACCESSORIES

ACCESORIOS

ADAPTERS FOR ELECTRONICAL OIL LEVEL REGULATORS

ADAPTADORES PARA REGULADORES DE NIVEL DE ACEITE ELECTRÓNICOS

Function description

Through these adaptors, it is possible to adapt the oil level regulator to the compressor crankcase thread. The adaptors are made of electroless nickel plated steel and accessories in NBR.

THE ADAPTERS MUST BE SELECTED DEPENDING ON THE APPLICATION.

Optimal level regulator operation is critically dependent on the correct adaptor, so proper selection is important.

Oil level regulators operate with a differential between 5 mm and 10 mm. If the compressor oil level exceeds the regulator's setting by 5 mm, the solenoid coil is activated to open or close the solenoid valve.

Level regulators have 3 diagnostic LEDs for the following status:

- Oil Good
- Oil Refilling
- Oil Alarm
- Power

Maintenance description

The electronic oil level regulator does not require any particular maintenance if it is used normally, in accordance with the compressor operating instructions and the specified maintenance intervals for oil and filters.

The oil level regulator electronic system consists of an electronic board and a probe. The electronics are sealed on the PCB. The electronics are factory-protected by a plastic cover, which protects it against environmental influences in accordance with IP65 regulations (dust-tight and protected against water jets from any angle). This protection is completely sufficient for the usual operating conditions within the system.

The probes have no moving parts and therefore do not require any maintenance. To ensure accurate measurement, the level probe must be fully immersed in oil.

	Model / Modelo	Code / Código	
0	No Adapter (Direct mounting)	-	
1	TK3 ADAPTER 1 1/8" 18 UNEF	A-005247	
2	TK3 ADAPTER 3/4" NPT	A-005248	
3	TK3 ADAPTER 3/4/6 HOLES FLANGE (also as a spacer 50mm)	A-005249	





Compressor Family	Model	TK3 selection
Arctic Circle	G2; G4; G6	0 or 3
Bitzer	8FC; 8GC; S4; S6;	0 or 3
	2KC; 2KHC-05K; 4CC; 4CHC-9K; 4DC; 4DHC-7K; 4EC; 4EHC-6K; 4FC; 4FHC-5K; 4KTC-10K	1
	ZL; ZM	2
Bock	HA 4; HA 5; HA6; HG4; HG 5; HG 6; HG 7; HG 8; HGX4/310-4; HGX4/385-4; HGX4/464-4; HGX4/555-4	0 or 3
	HA 12; HA22; HA34; HG 12; HG22; HG34; HGX12P/40-4; HGX12P/50-4; HGX12P/60-4; HGX12P/75-4	1
	HGX22P/110-4; HGX22P/125-4; HGX22P/160-4; HGX22P/190-4; HGX34P/215-4; HGX34P/555-4	1
Carrier	EA; ER;	0 or 3
Copeland	4CC; 6CC; D2; D3; D4; D6.H; D6.S; D9; DM	0 or 3
	ZF; ZS	2
Dorin	B; SCS340 D; SCS351 D; SCS362 D; SCS373 D; SCS385 D; SCS3K8 D; H Series (Except the listed for adapter 1)	0 or 3
	K50CS; K75CC; K75CS; SCC250 B; SCC300 B; SCC350 B; SCC380 B	1
Frascold	A; A-SK; B; D; D-SK; F; F-SK; Q-SK; S; S-SK; V; W; Z	0 or 3
Prestcold	P2; P3; P4; P6; P8; P9	0 or 3
L'Unité Hermétique	TAG; TAH	1
Maneurop	LT; MT; SM; SZ;	1

ADAPTER	"L1"
No adapter (Direct Mounting)	-
1-1/8" - 18 UNEF	34
3/4" NPT	34
3/4/6 holes (50 MM)	50
1"GAS	43
RLK 1" 3/4 - 12 UNF	53,4
M36 X 1,5	45
3/4/6 holes (22 MM)	22
RLK 1" 1/4 - 12 UNF	41,4