


TOH-Series Oil Separators:

Compact Housing for Operating Pressures up to 31 bar and effective Oil separation.


Product Features:

- Hermetic Oil separator with fastening
- Standard type with effective Oil separation
- Float with leak proof Shut-Off Valve
- Connections suitable for brazing and welding
- CE marked acc. PED 97/23EC
- Powder Painted for excellent corrosion resistance

Pressure Equipment Directive	97/23/EC	Media Compatibility:	HFC, HCFC , Mineral-, Synthetic- and POE lubricants
Applied Standards	EN 378/-1/-2, EN 14276-1, EN 1593,EN 1779	Material	Housing:Steel Pressure Connection: Steel Ni plated
Pressure Range:	max. oper. Pressure PS: 31 bar Test Pressure PT: 34,1 bar	Temperature Range	31 bar: -10°C to 120°C

Technical Data

Type	P/N	Connection	Oil Volume (l)	Oil Connection	Fastening	Volume (l)	PED Cat.
TOH-12A	18001	12mm	0,25	1/4"SAE	M10	1,63	I
TOH-012A	18002	½"					
TOH-16A	18003	16mm - 5/8"					
TOH-22A	18004	22mm - 7/8"					
TOH-28B	18005	(28mm) -1-1/8"	0,50	3/8"SAE	see Dimension Page 3	5,27	
TOH-35B	18006	35mm - 1-3/8"					
TOH-42B	18007	42mm - (1-5/8")					
TOH-54B	18008	54mm - 2-1/8"					



Models and Capacity

		Capacity Qn (kW)* at Evaporating Temp °C															
		R404A				R134a			R407C			R22					
		5	-10	-20	-35	5	-10	-20	5	-10	-20	5	-10	-20	-35		
Type	P/N																
TOH-12A	18001	7,7	7,2	6,8	6,2	6,9	6,5	6,3	8,7	8,3	7,9	8,3	8,9	9,3	10,5		
TOH-012A	18002																
TOH-16A	18003	15,4	14,4	13,6	12,4	13,7	13,0	12,4	17,3	16,4	15,8	16,5	17,8	18,6	21,0		
TOH-22A	18004	26,4	24,6	23,3	21,3	23,5	22,2	21,4	29,6	28,1	27,1	28,3	30,5	31,9	36,1		
TOH-28B	18005	31,9	29,8	28,2	25,8	28,5	26,9	25,9	35,8	34,0	32,8	34,1	36,9	38,7	43,7		
TOH-35B	18006	42,9	40,0	37,9	34,7	38,3	36,2	34,8	48,1	45,7	44,0	46,0	49,6	52,0	58,8		
TOH-42B	18007	55,0	51,3	48,6	44,4	49,1	46,4	44,6	61,7	58,6	56,4	59,0	63,6	66,6	75,2		
TOH-54B	18008	73	68	64	58	65	61	59	81	77	74	79	77	74	71		

* based on 30°C Condensing temp.

Correction Factor Kt for other Conditions

Refrigerant	Condensing-temperature °C	Evaporating Temp. °C			
		5	-10	-20	-35
R404A	50	1,01	1,12	1,20	1,39
	40	0,94	1,01	1,07	1,21
	30	0,91	0,97	1,03	1,13
	25	0,91	0,97	1,02	1,11
R134a	50	0,89	0,95	1,00	
	40	0,90	0,96	1,00	
	30	0,93	0,98	1,02	
	25	0,96	1,01	1,00	
R407C	50	0,91	0,98	1,02	
	40	0,91	0,97	1,00	
	30	0,93	0,98	1,02	
	25	0,96	1,01	1,04	
R22	50	0,90	0,94	0,97	1,02
	40	0,92	0,96	0,98	1,03
	30	0,96	0,99	1,01	1,06
	25	0,98	1,01	1,03	1,08

Calculation of Qn for other conditions:

$$Q_o \times K_t = Q_n$$

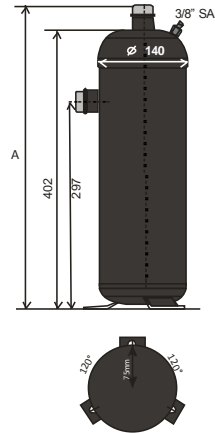
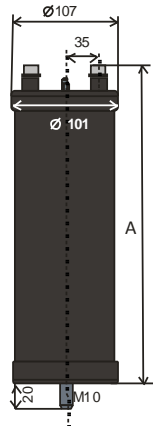


Dimension (mm)

Models:

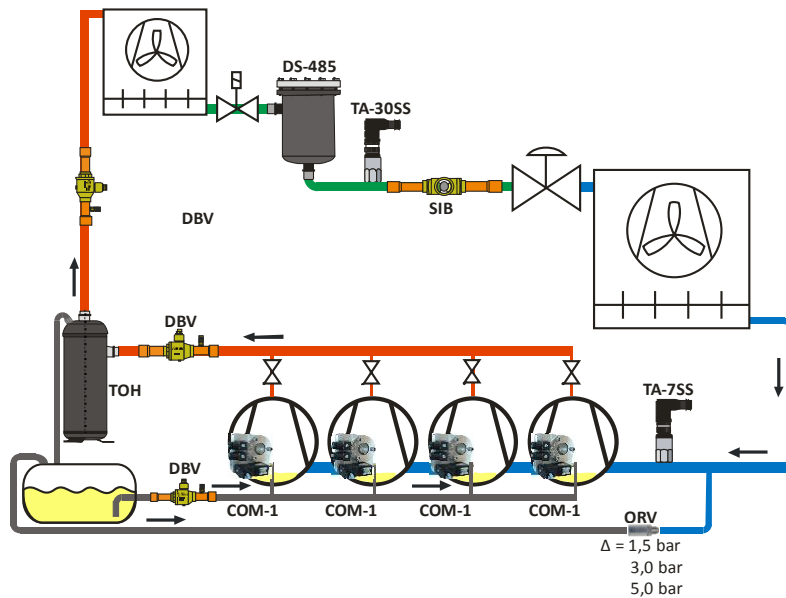
TOH-__A

TOH-__B



	A
TOH-12A	255
TOH-012A	255
TOH-16A	256
TOH-22A	260
TOH-28B	442
TOH-35B	442
TOH-42B	447
TOH-54B	447

Schematic Refrigeration Cycle with DEKA Components



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