



## Oil Separators for CO<sub>2</sub> applications – 130 bar Operating Pressure TOHH and TORH

### TOHH-Series Oil Separators, TORH with integrated Receiver Volume:

Compact Housing for Operating Pressures up to 130 bar and effective Oil separation.



#### Product Features:

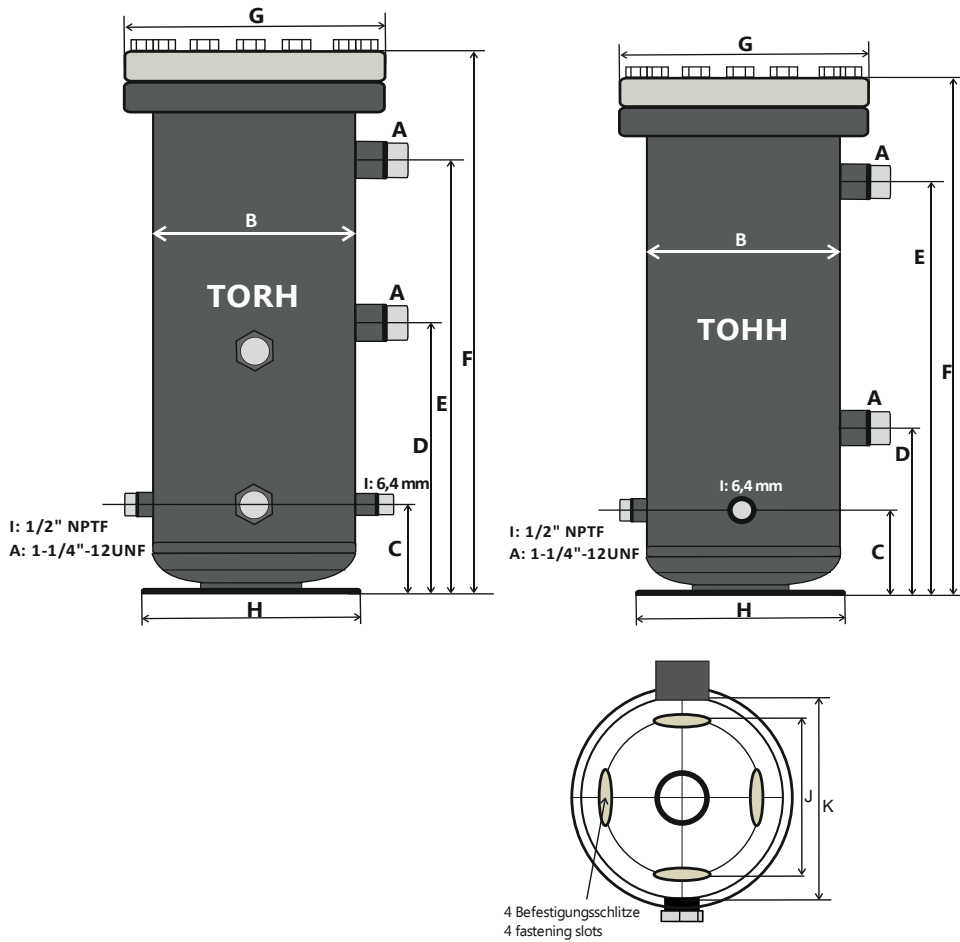
- Oil separator with fastening option
- Coalescent type with optimal Oil separation, optional with receiver volume (Series TORH)
- Connections suitable for brazing and welding
- CE marked acc. PED 2014/68/EU
- Powder Painted for excellent corrosion resistance
- Combi connection for the safety valve, ½" NPT and 1-1/4 UNF

<b>Pressure Equipment Directive</b>	2014/68/EU	<b>Media Compatibility:</b>	CO <sub>2</sub> , Mineral-, Synthetic- and POE lubricants
<b>Applied Standards</b>	EN 378/-1/-2, EN 14276-1, EN 1593, EN 1779	<b>Material</b>	Housing: Steel Pressure Connection: Steel Ni plated
<b>Pressure Range:</b>	max. oper. Pressure PS: 130 bar Test Pressure PT: 186bar	<b>Temperature Range</b>	-10°C to 135°C

### Types and Capacities (all Connections for brazing and welding)

Type	P/N	Capacity Qn* (kW)	Volume (ltr.)	Oil volume (ltr.)	(A) Inlet/Outlet	B	C	D	E	F	G	H
TORH-22-4	18100	70	7	4	22mm	114	175	595	880	1000	178	170
TORH-28-7,5	18101	90	19	75	28mm	168	190	530	950	1080	220	190
TORH-35-11	18102	140	28	11	35mm	219	220	460	940	1030	280	250
TOHH-22-0	18103	70	4,6	./.	22mm	114	180	270	550	670	178	170
TOHH-28-0	18104	90	10	./.	28mm	168	160	160	575	705	220	190
TOHH-35-0	18105	140	12	./.	35mm	168	210	220	680	800	220	190

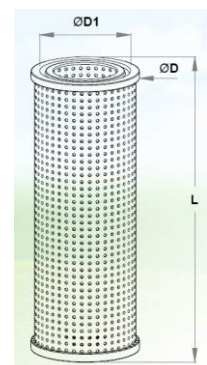
\*Capacity is based on Pc= 90bar, To=-10°C, 35°C Gascooler outlet, Suction superheat 10K



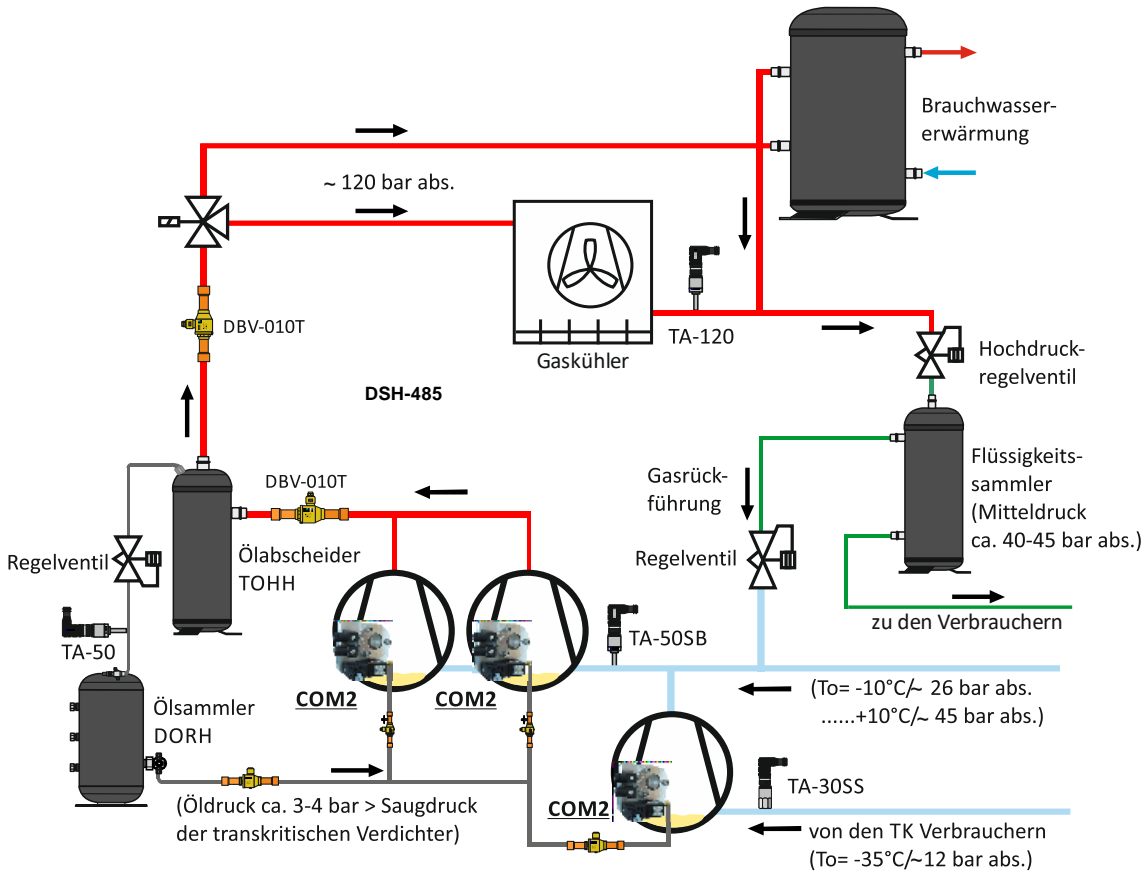
Type	P/N	J (mm)	K (mm)	Fastening Slot (mm)	Weight (kg)	PED Cat.	Modul
TORH-22-4	18100	140	170	8,5x30	31	II	A2
TORH-28-7,5	18101	160	190		55	III	B+C1
TORH-35-11	18102	210	250	13x60	85	IV	B+D
TOHH-22-0	18103	140	170	8,5x30	26	II	A2
TOHH-28-0	18104	160	190		43	III	B+C1
TOHH-35-0	18105	160	190		45		

**Filter complete with Cover gasket**

Oilseparator	Filter Type	P/N	OD1	OD	L	Level Sensor optional
TORH-22-4	DF65.1	18107	51	65	230	COMH-xxx 24 or 230V
TORH-28-7,5	DF98.1	18109	89	98	360	
TORH-35-11	DF145.1	18117	130	145	410	
TOHH-22-0	DF65.1	18107	51	65	230	
TOHH-28-0	DF98.1	18109	89	98	360	
TOHH-35-0	DF98.1	18109				



**Schematic CO2 Refrigeration Cycle with DEKA Components**



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