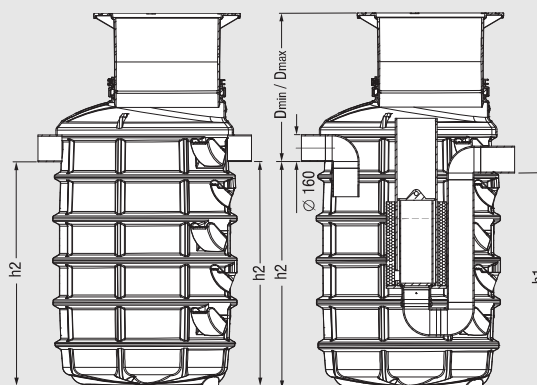
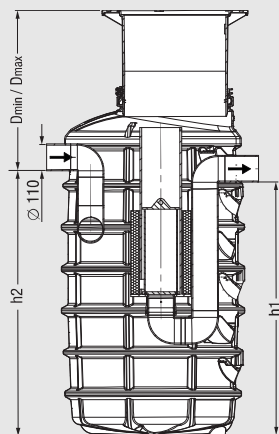
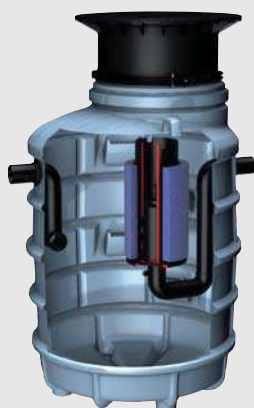


Coalescence separator for underground installation

Coalescence Separator

NS 3 - NS 6



Coalescence separator class I Ø 1000
 according to EN 858, made of polyethylene
For underground installation, installation depth D from 565 to 1015 mm
 With integrated sludge trap and self-actuated closure lock, calibrated for light liquid with densities between 0.85 to 0.95 g/cm³.
With removable coalescence filter insert.
 Completely water tight to top of cover, resistant against aggressive wastewaters. Vertically adjustable polymer upper section, tiltable to 5°, cast iron manhole cover according to EN 124, load class D, with removal key, certified structural test.
 Inlet and outlet Ø for synthetic material pipes in: PE-HD (according to EN 12666-1); PVC pipe (according to EN 1401-1); PP or AS.
 Choose separator size and article number from table below. Contact KESSEL for separator sizing support if required.

- 1 Cover class A/B
- 2 Cover class D

NS	Sludge trap capacity	Article #
1 NS 6	200 liter	99 706.02B
NS 6	600 liter	99 706.06B
NS 3	800 liter	99 703.04B
NS 6 ¹⁾	1000 liter	99 706.10B
NS 3	1600 liter	99 703.10B
NS 6 ¹⁾	1800 liter	99 706.18B
2 NS 6	200 liter	99 706.02D
NS 6	600 liter	99 706.06D
NS 3	800 liter	99 703.04D
NS 6 ¹⁾	1000 liter	99 706.10D
NS 3	1600 liter	99 703.10D
NS 6 ¹⁾	1800 liter	99 706.18D

Accessories:
see page 304 and 306

Delivery:
Completely assembled.

Not for installation in high groundwater areas!

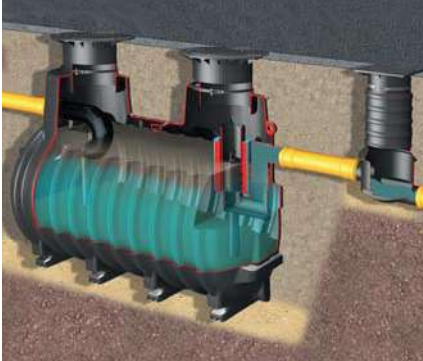
NS	Ø*	Sludge disposal volume in liter	D		Weight in kg	h2 (Inlet bottom) in mm	h1 (Outlet bottom) in mm	Oil storage capacity in liter	Article #
			min	max					
1 NS 6	160	100	560	1090	175	1090	1020	200	99 706.02B
NS 6	160	300	560	1090	175	1590	1520	200	99 706.06B
NS 3	110	400	545	995	175	1105	1055	200	99 703.04B
NS 6 ¹⁾	160	500	560	1090	305	1090	1020	200	99 706.10B
NS 3	110	800	545	995	190	1605	1555	200	99 703.10B
NS 6 ¹⁾	160	800	560	1090	320	1590	1520	200	99 706.18B
2 NS 6	160	100	560	1090	205	1090	1020	200	99 706.02D
NS 6	160	300	560	1090	220	1590	1520	200	99 706.06D
NS 3	110	400	545	995	205	1105	1055	200	99 703.04D
NS 6 ¹⁾	160	500	560	1090	338	1090	1020	200	99 706.10D
NS 3	110	800	545	995	220	1605	1555	200	99 703.10D
NS 6 ¹⁾	160	900	560	1090	353	1590	1520	200	99 706.18D

¹⁾ = Twin-chamber system * Ø = Inlet and outlet outer diameter (mm)

Coalescence separator for underground installation

Coalescence separator

NS 3 - NS 15

Illustration	Article description	NS	Total volume	Article #
<p>Suitable for filling stations with high-performance filling pumps, E10 and biodiesel fuels</p> 	<p>Coalescence separator NS 3 - NS 15, class I ¹</p> <p>□ according to EN 858, made of polymer</p> <p>For underground installation, installation depth D = mm</p> <p>With integrated sludge trap and self-actuated closure lock, calibrated for light liquid with densities between 0.85 to 0.95 g/cm³.</p> <p>With removable coalescence filter.</p>	NS 3	1800	99503.10B EX
		NS 6	4300	99706.30B EX
		NS 6	5800	99706.80B EX
		NS 10	2600	99710.15B EX
		NS 10	4300	99710.30B EX
		NS 10	5800	99710.80B EX
	<p>Upper sections made of polymer, continuous height and level adjustment, tiltable to 5°, with covers according to EN 124 in cast iron, including removal mechanism, private vehicle traffic proof, class B (depth of earth coverage DEC 700 to 1800 mm), traffic proof for heavy duty vehicles, class D (depth of earth coverage DEC 700 to 1500 mm and additional concrete slab provided on-site), certified statics, Inlet and outlet Ø ... for synthetic material pipes in: PE-HD (according to EN 12666-1); PVC pipe (according to EN 1401-1); PP or AS.</p> <p>Choose separator size and article number from table below. Contact KESSEL for separator sizing support if required.</p> <p>1 Cover class A/B</p> <p>2 Cover class D</p>	NS 15	5800	99715.80B EX
		NS 3	1800	99503.10D EX
		NS 6	4300	99706.30D EX
		NS 6	5800	99706.80D EX
		NS 10	2600	99710.15D EX
		NS 10	4300	99710.30D EX
		NS 10	5800	99710.80D EX
		NS 15	5800	99715.80D EX

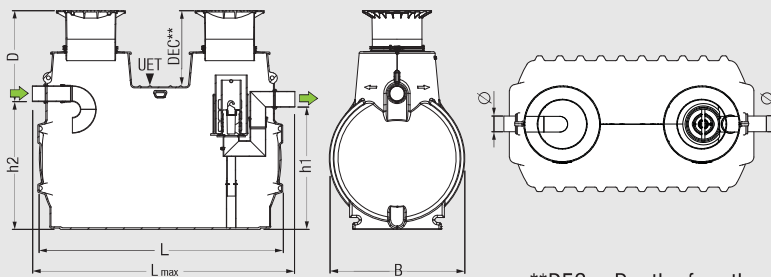
Certification no. Z-54.3-454

Accessories:

Sampling chamber for underground installation, extension section for deep installation, alarm units for when the maximum oil level is reached and there is a back-up of water (required according to EN 858 Part 1), oil and sludge suction system, pump station, *SonicControl*, *TeleControl*.

Installation is possible with groundwater up to the upper edge of the tank (UET).

A load distribution plate must be planned for class D.



Ø 160: D-DEC = 155 mm
Ø 200: D-DEC = 180 mm

**DEC = Depth of earth coverage
Class D = 700 mm ≤ DEC ≤ 1500 mm
Class A/B = 700 mm ≤ DEC ≤ 1800 mm

NS	Ø*	capacity	L	B	D		h2	h1	Oil storage capacity	level	Weight	Lmax mm
					min	max						
NS 3	160	1000 l	2390	1200	840	1240	1100	1070	217 l	80 mm	395 kg	2642
NS 6	200 ²⁾	2500 l ¹⁾	2590	1760	850	1230	1630	1600	271 l	100 mm	535 kg	2940
NS 6	200 ²⁾	5000 l	3110	1760	870	1250	1630	1600	356 l	130 mm	610 kg	3460
NS 10	160	1500 l	2910	1200	840	1240	1110	1070	267 l	100 mm	440 kg	3162
NS 10	200 ²⁾	2500 l ¹⁾	2590	1760	850	1230	1630	1600	271 l	100 mm	535 kg	2940
NS 10	200 ²⁾	5000 l	3110	1760	870	1250	1630	1600	356 l	130 mm	610 kg	3460
NS 15	200	5000 l	3110	1760	870	1250	1630	1600	356 l	130 mm	610 kg	3460

¹⁾ Comparable sludge trap total volume in accordance with the dimensioning according to EN 858.

²⁾ eccentric reduction inlet/outlet to Ø 160 possible on-site, as a consequence the sampling chamber 915880 A/B/D can be used see page 304.

* Ø = Inlet and outlet outer diameter (mm)