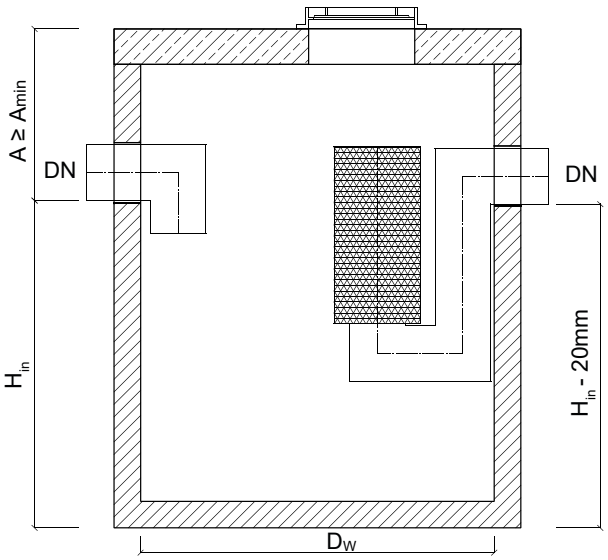
High-efficiency coalescence separator with the settling tank ESK-H



The technical specifi cations of each device series with technical description and possible modifications of the dimensions can be found at **www.ecol-unicon.com**

Separators ESK-H separators were tested for nominal and maximum flows and the results of the tests were confirmed by the Building Research Institute by issuing the National Technical Assessment ITB-KOT-2017/0212 edition 3. ESK-H separators represent class I (according to EN 858, it also obtained CE mark allowing to be applied in all EU countries.

The chamber is made in accordance with Norm EN 1917, concrete of class at least C35/45 waterproof ≥W8, with water absorption lower than 5%, frost resistant F150 in the water and F50 in 2% NaCl, stable for petroleum products in accordance with EN 858-1.

CE

Model Q_{nom}/V_{os*}	Q_{nom}* (NS)	D_w	H_w	A_{min}**	Diameter of intlet/ outlet pipes DN	Actual capacity of sedimentary section	Oil storage Volume	Weight of the heaviest element	Total weight ***
	[dm³/s]	[mm]	[mm]	[mm]	[mm]	[dm³]	[dm³]	[kg]	[kg]
ESK-H 1,5/150	1,5	1000	730	540	160	160	180	1300	1800
ESK-H 1,5/300	1,5	1000	1030	740	160	380	180	1800	2300
ESK-H 3/300	3	1000	1030	740	160	380	180	1800	2300
ESK-H 3/900	3	1500	1130	720	160	1000	410	4000	5300
ESK-H 3/1200	3	1500	1230	620	160	1240	410	4000	5300
ESK-H 3/600	3	1200	1080	700	160	630	260	2500	3300
ESK-H 3/2500	3	2000	1390	680	160	2670	750	5700	7700
ESK-H 6/600	6	1200	1080	700	160	630	260	2500	3300
ESK-H 6/1200	6	1500	1230	620	160	1240	410	4000	5300
ESK-H 6/2500	6	2000	1390	680	160	2670	750	5700	7700
ESK-H 6/5000	6	2500	1600	720	160	5200	1180	8000	11200
ESK-H 10/1000	10	1500	1130	720	160	1070	410	4000	5300
ESK-H 10/2000	10	2000	1230	590	160	2200	750	5100	7000
ESK-H 10/5000	10	2500	1600	720	160	5200	1180	8000	11200
ESK-H 15/1500 DN1500	15	1500	1650	630	200	1600	930	4500	5700
ESK-H 15/1500 DN2000	15	2000	1200	620	200	1580	1400	5100	7000
ESK-H 15/3000	15	2000	1700	620	200	3150	1400	6400	8300
ESK-H 20/2000	20	2000	1400	920	200	2200	1400	6400	8300
ESK-H 20/4000	20	2500	1600	720	200	4370	2200	8000	11200
ESK-H 30/3000	30	2000	1850	970	315	3150	1800	7600	9500
ESK-H 30/6000 S	30	2500	2120	700	315	6240	2900	5200	12700
ESK-H 40/4000	40	2500	1700	870	315	4180	2900	8700	11900
ESK-H 40/8000 S	40	3000	2030	820	315	8350	4800	7300	17500
ESK-H 50/5000 S	50	3000	2170	680	315	5310	4460	7300	17500
ESK-H 50/10000 S	50	3000	2800	800	315	10250	4460	8300	20000
ESK-H 60/6000 S	60	3000	2210	890	315	6120	4460	8200	18200
ESK-H 65/6500 S	65	3000	2310	790	315	6820	4460	8300	18200
ESK-H 70/7000 S	70	3000	2350	750	315	7110	4460	8300	18200
ESK-H 80/8000 S	80	3000	2530	820	315	8380	4460	8300	19300
ESK-H 90/9000 S	90	3000	2640	710	315	9150	4460	8300	19300
ESK-H 100/10000 S	100	3000	2800	800	315	10250	4460	8300	20000

*) Q_{nom}[dm³/s] (NS) – nominal fl ow value for which > 99% impurities is stopped (value obtained during the tests according to norm EN 858-1).
Q_{max} [dm³/s] – maximum hydrauli c fl ow capacity of the device, at which there is no danger of fl ushing out accumulated dirt.
**) Increasing the A value through the use of additional superstructure rings
***) The weights indicated apply to devices without additional superstructure rings; for devices delivered to the construction site in parts (S), the weight does not include the tonnage of technological equipment. The final weight will be determined before delivery of the device.
S - devices delivered to the construction site in the elements.
Ecol-Unicon Company reserves the right to implement changes in equipment design without prior notice.

The separator can be designed according to individual customer needs. Larger models are available upon individual request.
Technical consultations: export@ecol-unicon.com