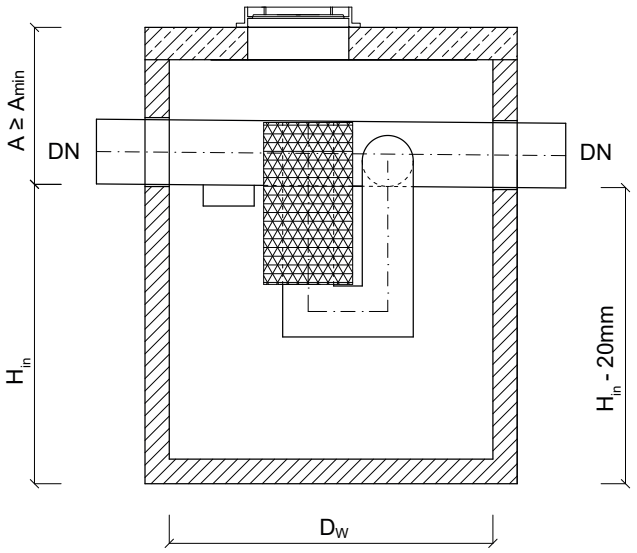
High-efficiency coalescence separator with by-pass and settling tank ESK-BH II



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

ESK-BH II 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 1. ESK-BH II separators represent class I (according to EN 858-1), it also obtained CE mark allowing to be applied in all EU countries.

The chamber is made in accordance with Norm EN 1917 or National Technical Assessment ITB, 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 $Q_{nom}/Q_{max}/V_{os}/DN_R$**	Q_{nom} [dm³/s] (NS)	Q_{max} [dm³/s] (NS)	D_w [mm]	H_{in} [mm]	A_{min} ** [mm]	Diameters of inlet/outlet pipes DN_R [mm]	Actual capacity of sedimentary section [dm³]	Oil storage volume [dm³]	Weight of the heaviest element [kg]	Total weight [kg]
ESK-BH II 3/30/300/250	3	30	1200	800	750	250	300	220	2300	3000
ESK-BH II 3/30/600/250	3	30	1200	1060	740	250	600	220	2600	3300
ESK-BH II 6/60/600/250	6	60	1200	1060	740	250	600	220	2600	3300
ESK-BH II 6/60/1200/250	6	60	1200	1580	700	250	1200	220	3300	3400
ESK-BH II 10/100/1000/250	10	100	1200	1400	650	250	1000	220	3000	3700
ESK-BH II 10/100/1000/315	10	100	1200	1400	880	315	1000	220	3300	4000
ESK-BH II 10/100/2000/250 S	10	100	1200	2290	760	250	2000	220	2300	5100
ESK-BH II 10/100/2000/315 S	10	100	1200	2290	760	315	2000	220	2300	5100
ESK-BH II 10/100/2000/250	10	100	1500	1750	1030	250	2000	300	5600	6600
ESK-BH II 10/100/2000/315	10	100	1500	1750	1030	315	2000	300	5600	6600
ESK-BH II 10/100/3000/250	10	100	2000	1520	800	250	3000	580	6400	8500
ESK-BH II 10/100/3000/315	10	100	2000	1520	800	315	3000	580	6400	8500
ESK-BH II 15/150/1500/315	15	150	1500	1480	800	315	1500	500	4600	5600
ESK-BH II 15/150/1500/400	15	150	1500	1480	800	400	1500	500	4600	5600
ESK-BH II 15/150/3000/315	15	150	2000	1610	710	315	3000	900	6400	8200
ESK-BH II 15/150/3000/400	15	150	2000	1610	940	400	3000	900	7000	8700
ESK-BH II 20/200/2000/315	20	200	1500	1880	970	315	2000	500	5700	6700
ESK-BH II 20/200/2000/400	20	200	1500	1880	970	400	2000	500	5700	6700
ESK-BH II 20/200/4000/315	20	200	2000	2020	800	315	4000	900	6500	9700
ESK-BH II 20/200/4000/400	20	200	2000	2020	800	400	4000	900	6500	9700
ESK-BH II 30/300/3000/315	30	300	2000	1850	970	315	3000	1450	7800	11000
ESK-BH II 30/300/3000/400	30	300	2000	1850	970	400	3000	1450	7800	11000
ESK-BH II 30/300/3000/500	30	300	2000	1850	970	500	3000	1450	7800	11000
ESK-BH II 30/300/6000/315 S	30	300	2500	2120	950	315	6000	2300	6200	13500
ESK-BH II 30/300/6000/400 S	30	300	2500	2120	950	400	6000	2300	6200	13500
ESK-BH II 30/300/6000/500 S	30	300	2500	2120	950	500	6000	2300	6200	13500
ESK-BH II 40/400/4000/315 S	40	400	2000	2180	890	315	4000	1450	4400	10000
ESK-BH II 40/400/4000/400 S	40	400	2000	2180	890	400	4000	1450	4400	10000
ESK-BH II 40/400/4000/500 S	40	400	2000	2180	890	500	4000	1450	4400	10000
ESK-BH II 40/400/8000/400 S	40	400	2500	2520	1050	400	8000	2300	6200	15000
ESK-BH II 40/400/8000/500 S	40	400	2500	2520	1050	500	8000	2300	6200	15000
ESK-BH II 50/500/5000/400 S	50	500	2500	2410	910	400	5000	4700	4400	15000
ESK-BH II 50/500/5000/500 S	50	500	2500	2410	910	500	5000	4700	4400	15000
ESK-BH II 50/500/10000/400 S	50	500	3000	2810	1040	400	10000	6800	7400	20500
ESK-BH II 50/500/10000/500 S	50	500	3000	2810	1040	500	10000	6800	7400	20500

*) Q_{nom} [dm³/s] (NS) - nominal flow value for which > 99% impurities is stopped (value obtained during the tests according to norm EN 858-1).
Q_{max} [dm³/s] - maximum hydraulic flow capacity of the device, at which there is no danger of flushing out accumulated dirt.
V_{os} [dm³] - capacity of the sedimentary section.
DN_R [mm] – diameters of inlet and outlet pipes.
**) Increasing the A value through the use of additional superstructure rings.
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.

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