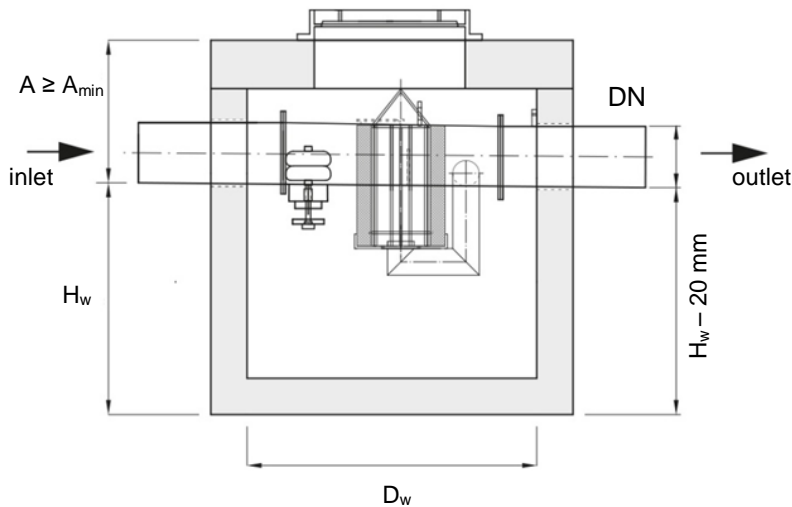
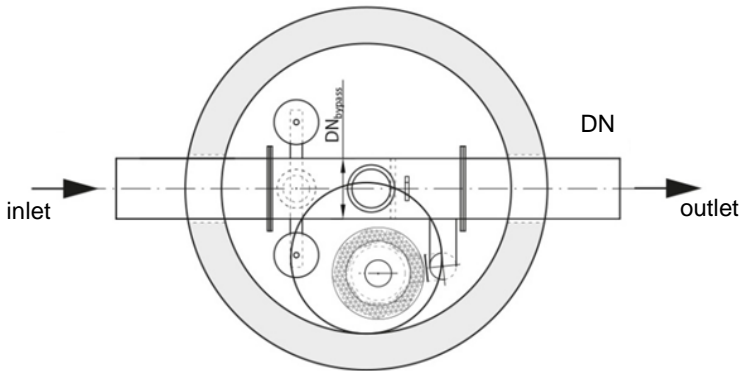


# SPECIFICATION SHEET | ESK-BH

High-efficiency coalescence separator with by-pass, settling tank and floating regulation valve



The technical specifications of each device series with technical description and possible modifications of the dimensions can be found at [www.ecol-unicon.com](http://www.ecol-unicon.com)



ESK-BH separators were tested for nominal flows of the devices and results confirmed by a notified body. ESK-BH represents class I separator (acc. to PN-EN 858), it also obtained CE mark allowing to be applied in all EU countries.

Each of the ESK-BH separators can be manufactured according to given series range in a PE-HD plastic or polymer concrete wells. PE-HD wells are produced in stiffness classes acc. to PN-EN ISO 9969:2008.

**The separator can be designed according to individual customer needs. Greater models on demand.**

Technical consultations: [export@ecol-unicon.com](mailto:export@ecol-unicon.com)

# SPECIFICATION SHEET | ESK-BH

High-efficiency coalescence separator with by-pass, settling tank and floating regulation valve



Model Q <sub>nom</sub> /Q <sub>max</sub> /V <sub>os</sub> /D <sub>R</sub> *	Capacity		Dimensions			By-pass pipe diameter DN <sub>by-pass</sub>	Inlet/outlet ends pipe diameter DN	Actual capacity sedimentary section	Oil storage volume	Total weight	Weight of the heaviest element
	Q <sub>nom</sub> (NS)	Q <sub>max</sub>	D <sub>w</sub>	H <sub>w</sub>	A <sub>min</sub> **						
	[dm <sup>3</sup> /s]	[dm <sup>3</sup> /s]	[mm]	[mm]	[dm <sup>3</sup> ]						
ESK-BH 3/30/300/D <sub>R</sub>	3	30	1200	690	590	250	200/250	300	220	2700	1900
ESK-BH 3/30/300/D <sub>R</sub>	3	30	1500	730	800	400	315/400	300	300	4400	3200
ESK-BH 3/30/600/D <sub>R</sub>	3	30	1200	960	590	250	200/250	600	220	3000	2300
ESK-BH 3/30/600/D <sub>R</sub>	3	30	1500	910	940	400	315/400	600	300	4800	3800
ESK-BH 6/60/600/D <sub>R</sub>	6	60	1500	910	940	315	200/250/315	600	300	4800	3800
ESK-BH 6/60/600/400 <sub>R</sub>	6	60	1500	910	940	400	400	600	300	4800	3800
ESK-BH 6/60/1200/D <sub>R</sub>	6	60	1500	1250	850	315	200/250/315	1200	300	5000	4100
ESK-BH 6/60/1200/400 <sub>R</sub>	6	60	1500	1250	850	400	400	1200	300	5000	4100
ESK-BH 10/100/1000/D <sub>R</sub>	10	100	1500	1150	700	315	200/250/315	1000	300	5400	4400
ESK-BH 10/100/1000/400 <sub>R</sub>	10	100	1500	1150	700	400	400	1000	300	5400	4400
ESK-BH 10/100/2000/D <sub>R</sub>	10	100	1500	1750	1100	315	200/250/315	2000	300	6800	5600
ESK-BH 10/100/2000/400 <sub>R</sub>	10	100	1500	1750	1100	400	400	2000	300	6800	5600
ESK-BH 10/100/3000/D <sub>R</sub>	10	100	2000	1520	800	315	200/250/315	3000	540	8100	6500
ESK-BH 10/100/3000/400 <sub>R</sub>	10	100	2000	1520	800	400	400	3000	540	8100	6500
ESK-BH 15/150/1500/D <sub>R</sub>	15	150	1500	1580	770	400	315/400	1500	650	5900	4900
ESK-BH 15/150/3000/D <sub>R</sub>	15	150	2000	1700	1120	400	315/400	3000	1170	9300	7000
ESK-BH 20/200/2000/D <sub>R</sub>	20	200	1500	1880	970	500	315/400/500	2000	650	6800	5800
ESK-BH 30/300/3000/D <sub>R</sub>	30	300	2000	1850	970	500	315/400/500	3000	1760	9100	7000
ESK-BH 20/200/4000/D <sub>R</sub> S	20	200	2000	2020	1050	500	315/400/500	4000	1170	9900	4300
ESK-BH 30/300/6000/D <sub>R</sub> S	30	300	2500	2120	950	500	315/400/500	6000	2810	12900	5300
ESK-BH 40/400/4000/D <sub>R</sub> S	40	400	2000	2180	890	500	315/400/500	4000	1770	9900	4300
ESK-BH 40/400/8000/D <sub>R</sub> S	40	400	2500	2520	1050	500	315/400/500	8000	2810	15300	6200
ESK-BH 50/500/5000/D <sub>R</sub> S	50	500	2500	2410	910	500	400/500	5000	2540	14600	6900
ESK-BH 50/500/10000/D <sub>R</sub> S	50	500	3000	2810	1040	500	400/500	10000	3690	20500	7900
ESK-BH 60/600/6000/D <sub>R</sub> S	60	600	2000	3330	990	630	400/500/630	6000	1600	13200	7400
ESK-BH 60/600/6000/D <sub>R</sub> S	60	600	2500	2620	1200	630	400/500/630	6000	2540	17100	8000
ESK-BH 60/600/12000/D <sub>R</sub> S	60	600	3000	3080	1270	630	400/500/630	12000	3690	22900	7400
ESK-BH 65/650/6500/D <sub>R</sub> S	65	650	2000	3500	1070	630	400/500/630	6500	1600	13600	6200
ESK-BH 65/650/6500/D <sub>R</sub> S	65	650	2500	2720	1100	630	400/500/630	6500	2540	16100	6900
ESK-BH 65/650/13000/D <sub>R</sub> S	65	650	3000	3220	1380	630	400/500/630	13000	3690	23300	8000
ESK-BH 70/700/7000/D <sub>R</sub> S	70	700	2000	3700	1120	630	500/630	7000	1600	14400	7400
ESK-BH 70/700/7000/D <sub>R</sub> S	70	700	2500	2810	1260	630	500/630	7000	2540	17200	6900
ESK-BH 75/750/7500/D <sub>R</sub> S	75	750	2000	3820	1250	630	500/630	7500	1600	15000	7400
ESK-BH 75/750/7500/D <sub>R</sub> S	75	750	2500	3020	1300	630	500/630	7500	2540	17600	7400
ESK-BH 80/800/8000/D <sub>R</sub> S	80	800	2000	3970	1100	630	500/630	8000	1600	15200	7400
ESK-BH 80/800/8000/D <sub>R</sub> S	80	800	2500	3020	1300	630	500/630	8000	2540	17400	7400
ESK-BH 90/900/9000/D <sub>R</sub> S	90	900	2500	3230	1340	800	500/630/710/800	9000	2540	18400	8100
ESK-BH 90/900/9000/D <sub>R</sub> S	90	900	3000	2660	1440	800	500/630/710/800	9000	3690	20600	8000
ESK-BH 100/1000/10000/D <sub>R</sub> S	100	1000	2500	3450	1370	800	500/630/710/800	10000	2540	19200	6600
ESK-BH 100/1000/10000/D <sub>R</sub> S	100	1000	3000	2800	1550	800	500/630/710/800	10000	5800	22000	8000
ESK-BH 110/1100/11000/D <sub>R</sub> S	110	1100	3000	2960	1640	1000	630/710/800/1000	11000	5800	23200	7900
ESK-BH 120/1200/12000/D <sub>R</sub> S	120	1200	3000	3100	1750	1000	630/710/800/1000	12000	5800	24300	7900
ESK-BH 125/1250/12500/D <sub>R</sub> S	125	1250	3000	3180	1750	1000	630/710/800/1000	12500	5800	24300	7900
ESK-BH 130/1300/13000/D <sub>R</sub> S	130	1300	3000	3250	1750	1000	710/800/1000	13000	5800	24300	7900
ESK-BH 140/1400/14000/D <sub>R</sub> S	140	1400	3000	3390	1710	1000	710/800/1000	14000	5800	25400	7400
ESK-BH 150/1500/15000/D <sub>R</sub> S	150	1500	3000	3530	1800	1000	710/800/1000	15000	5800	25200	7400
ESK-BH 160/1600/16000/D <sub>R</sub> S	160	1600	3000	3670	1680	1000	710/800/1000	16000	5800	25200	7400
ESK-BH 170/1700/17000/D <sub>R</sub> S	170	1700	3000	3670	1680	1000	710/800/1000	17000	5800	25200	7400

\*) Q<sub>nom</sub> [dm<sup>3</sup>/s] (NS) – nominal flow value for which > 99% impurities is stopped (value obtained during the tests according to norm PN-EN 858-1)

Q<sub>max</sub> [dm<sup>3</sup>/s] – maximum hydraulic flow capacity of the device, at which there is no danger of flushing out accumulated dirt

V<sub>os</sub> [dm<sup>3</sup>] – capacity of the sedimentary section

D<sub>R</sub> [mm] – available ends diameters connected with inlet and outlet pipes

S – devices delivered to the construction site in the elements

\*\*) Increasing the A value through the use of additional superstructure rings