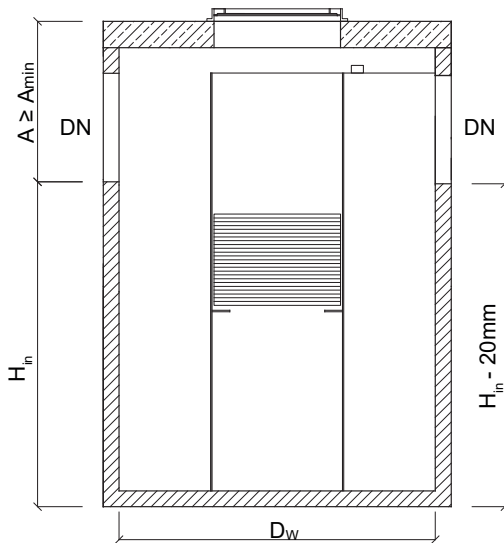


# High-efficiency lamella separators with settling tank ESL-ZH



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)

ESL-ZH 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 I. ESL-ZH 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  $\geq$ VW8, 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.



Model $Q_{nom}/Q_{max}/V_{os}^*$	$Q_{nom}$ [dm <sup>3</sup> /s] (NS)	$Q_{max}$ [dm <sup>3</sup> /s] (NS)	$D_w$ [mm]	$H_{in}$ [mm]	$A_{min}^{**}$ [mm]	Diameter of inlet/outlet pipes DN [mm]	Actual capacity of sedimentary section [dm <sup>3</sup> ]	Oil storage volume [dm <sup>3</sup> ]	Weight of the heaviest element [kg]	Total weight [kg]
ESL-ZH 1,5/15/150	1,5	15	1200	1220	830	max 400	150	150	2900	3700
ESL-ZH 1,5/15/300	1,5	15	1200	1540	1010	max 400	600	90	2900	3700
ESL-ZH 1,5/15/450	1,5	15	1200	1540	1010	max 400	600	90	2900	3700
ESL-ZH 3/30/300	3	30	1200	1540	1010	max 400	600	90	2900	3700
ESL-ZH 3/30/600	3	30	1200	1540	1010	max 400	600	90	2900	3700
ESL-ZH 3/30/900	3	30	1500	1750	850	max 400	1200	150	5600	6900
ESL-ZH 6/60/600	6	60	1200	1540	1010	max 400	600	90	2900	3700
ESL-ZH 6/60/1200	6	60	1500	1750	850	max 400	1200	150	5600	6900
ESL-ZH 6/60/1800	6	60	2000	2000	820	max 600	2000	300	7600	9600
ESL-ZH 10/100/1000	10	100	1500	1750	850	max 400	1200	150	5600	6900
ESL-ZH 10/100/2000	10	100	2000	2000	820	max 600	2000	300	7600	9600
ESL-ZH 10/100/3000 S	10	100	2000	2670	900	max 600	4000	300	5800	11600
ESL-ZH 15/150/1500	15	150	2000	2000	820	max 600	2000	300	7600	9600
ESL-ZH 15/150/3000 S	15	150	2000	2670	900	max 600	4000	300	5800	11600
ESL-ZH 15/150/4500 S	15	150	2000	2670	900	max 600	4500	225	5800	11600
ESL-ZH 20/200/2000	20	200	2000	2000	820	max 600	2000	300	7600	9600
ESL-ZH 20/200/4000 S	20	200	2000	2670	900	max 600	4000	300	5800	11600
ESL-ZH 20/200/6000 S (DN2000)	20	200	2000	3340	980	max 600	6000	300	7600	13400
ESL-ZH 20/200/6000 S (DN2500)	20	200	2500	2600	970	max 800	6000	300	6700	16500
ESL-ZH 30/300/3000 S	30	300	2000	2560	1010	max 800	4000	600	5800	11200
ESL-ZH 30/300/6000 S	30	300	2500	3240	1330	max 800	8000	1200	6700	18700
ESL-ZH 30/300/9000 S	30	300	3000	3080	1520	max 1200	10000	1500	5800	21100
ESL-ZH 40/400/4000 S	40	400	2000	2560	1010	max 800	4000	600	5800	11200
ESL-ZH 40/400/8000 S	40	400	2500	3240	1330	max 800	8000	1200	6700	18700
ESL-ZH 40/400/12000 S	40	400	4600	2650	1900	max 1200	20000	1500	52100	12400
ESL-ZH 50/500/5000 S	50	500	2500	3240	1330	max 800	8000	1200	6700	18700
ESL-ZH 50/500/10000 S	50	500	3000	3080	1520	max 1200	10000	1500	5800	21100
ESL-ZH 50/500/15000 S	50	500	4600	2650	1900	max 1200	20000	1500	52100	12400
ESL-ZH 60/600/6000 S	60	600	2500	3240	1330	max 800	8000	1200	6700	18700
ESL-ZH 60/600/12000 S	60	600	4600	2650	1900	max 1200	20000	1500	52100	12400
ESL-ZH 65/650/6500 S	65	650	2500	3240	1330	max 800	8000	1200	6700	18700
ESL-ZH 65/650/13000 S	65	650	4600	2650	1900	max 1200	20000	1500	52100	12400
ESL-ZH 70/700/7000 S	70	700	2500	3240	1330	max 800	8000	1200	6700	18700
ESL-ZH 70/700/14000 S	70	700	4600	2650	1900	max 1200	20000	1500	52100	12400
ESL-ZH 75/750/7500 S	75	750	2500	3240	1330	max 800	8000	1200	6700	18700
ESL-ZH 75/750/15000 S	75	750	4600	2650	1900	max 1200	20000	1500	52100	12400
ESL-ZH 80/800/8000 S	80	800	2500	3240	1330	max 800	8000	1200	6700	18700
ESL-ZH 80/800/16000 S	80	800	4600	2650	1900	max 1200	20000	1500	52100	12400
ESL-ZH 90/900/9000 S	90	900	3000	3080	1520	max 1200	10000	1500	5800	21100
ESL-ZH 90/900/18000 S	90	900	4600	2650	1900	max 1200	20000	1500	52100	12400
ESL-ZH 100/1000/10000 S	100	1000	3000	3080	1520	max 1200	10000	1500	5800	21100
ESL-ZH 100/1000/20000 S	100	1000	4600	2650	1900	max 1200	20000	1500	52100	12400

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

$Q_{max}$  [dm<sup>3</sup>/s] - maximum hydraulic flow capacity of the device, at which there is no danger of flushing out accumulated dirt.

$V_{os}$  [dm<sup>3</sup>] - capacity of the sedimentary section.

<sup>\*\*\*)</sup> 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.