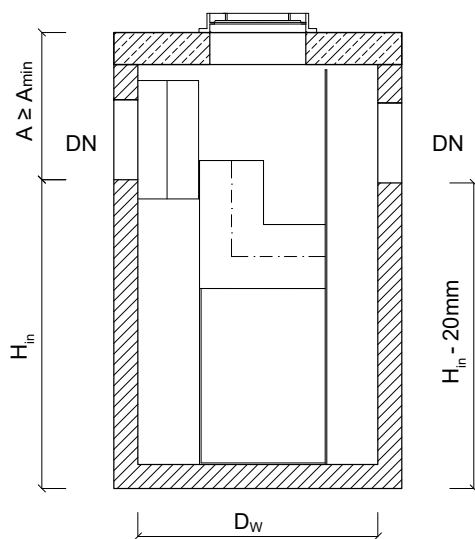


# Vortex settling tanks EOW-I



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)

EOW-I vortex settling tanks has the AT / 2015- approval 08-0378.

The chamber is made in accordance with Norm EN 1917 or National Technical Assessment ITB, concrete of class at least C35/45 waterproof  $\geq W8$ , 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.



Model $Q_{nom} (80\%) / Q_{max}^*$	$Q_{nom}$ [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]	Sediment trap volume [dm <sup>3</sup> ]	Sediment layer thickness [cm]	Weight of the heaviest element [kg]	Total weight [kg]
EOW-I 3/30	3	30	1000	950	820	max 315	510	63	1900	2400
EOW-I 6/60	6	60	1000	950	820	max 315	510	46	1900	2400
EOW-I 10/100	10	100	1200	1560	990	max 400	1290	75	3600	4400
EOW-I 15/150	15	150	1200	1560	990	max 400	1290	50	3600	4400
EOW-I 20/200	20	200	1500	1340	940	max 500	1730	52	4500	5700
EOW-I 30/300	30	300	1500	1930	920	max 500	2610	50	5800	7000
EOW-I 40/400	40	400	2000	1480	1340	max 600	3450	42	7600	9600
EOW-I 50/500	50	500	2500	1540	1280	max 800	5640	66	9500	12700
EOW-I 60/600	60	600	2500	1540	1280	max 800	5640	55	9500	12700
EOW-I 65/650	65	650	2500	1540	1280	max 800	5640	51	9500	12700
EOW-I 70/700 S	70	700	2500	1860	1460	max 800	6960	57	6800	14300
EOW-I 75/750 S	75	750	2500	1860	1460	max 800	6960	53	6800	14300
EOW-I 80/800 S	80	800	2500	1860	1460	max 800	6960	50	6800	14300
EOW-I 90/900 S	90	900	3000	1630	1720	max 1000	8660	61	7300	18900
EOW-I 100/1000 S	100	1000	3000	1630	1720	max 1000	8660	55	7300	18900
EOW-I 110/1100 S	110	1100	3000	2220	1630	max 1000	12170	67	8300	20900
EOW-I 120/1200 S	120	1200	3000	2220	1630	max 1000	12170	61	8300	20900
EOW-I 125/1250 S	125	1250	3000	2220	1630	max 1000	12170	59	8300	20900
EOW-I 130/1300 S	130	1300	3000	2220	1630	max 1000	12170	57	8300	20900
EOW-I 140/1400 S	140	1400	3000	2220	1630	max 1000	12170	53	8300	20900
EOW-I 260/2600 S	260	2600	4600	3570	2480	max 1400	47520	87	14100	75200
EOW-I 360/3600 S	360	3600	5000	3570	2480	max 1400	59730	63	16200	86100
EOW-I 480/4800 S	480	4800	5600	3570	2480	max 1600	76230	63	19500	103700
EOW-I 540/5400 S	540	5400	6000	3570	2480	max 1600	90420	56	21900	114200

<sup>\*)</sup>  $Q_{nom} (80\%)$  [dm<sup>3</sup>/s] (NS) - nominal flow value for the settling efficiency of 80%.

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

$V_{sed}$  [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.