

## CO2 Degasser (Polypropylene-PP)

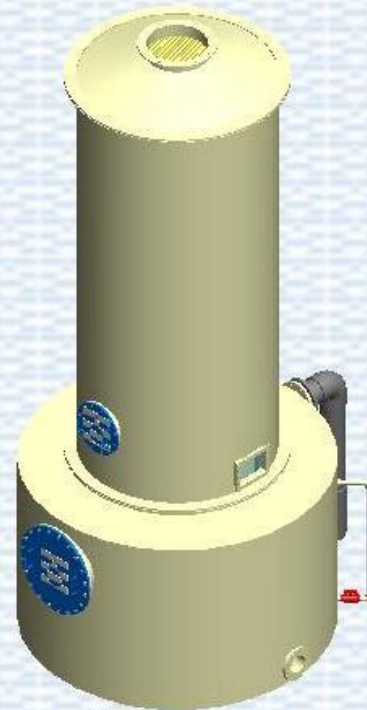
A CO2 degasser (degassifier) is a relatively simple water treatment device. Incoming water is sprayed into a tower filled with packing material. The drops of water that flow down through the tower strike the packing material and form a thin film on the packing material surface, encouraging the release of excess carbon dioxide. A centrifugal fan creates an updraft of air through the tower to carry away the released carbon dioxide gas. The carbon dioxide gas exits through a vent at the top of the unit.

Many factors influence the creation of carbon dioxide and its removal from the service water:

- the amount of carbon dioxide in the surrounding atmosphere;
- the local pressure;
- the pH of the water;
- the presence of bicarbonate ions.

In ion exchange demineralizer system is used CO2 degasser and is located between the cation and anion exchanger. The degasser (degassifier) removes carbon dioxide produced by the cation exchange process.

Degasser can also be used before or after Reverse Osmosis units to remove carbon dioxide generated by adding acid before reverse osmosis for pH control.



CO2 DEGASSER							
Code	Flow rate	Inlet	Outlet	Filling	Length	Width	Height
	m3/h	mm	mm	L	mm	mm	mm
<b>CDP-10</b>	10	50	63	350	1.090	940,0	4.050
<b>CDP-20</b>	18	63	75	600	1.470	1270,0	4.100
<b>CDP-30</b>	30	90	110	900	1.520	1270,0	4.750
<b>CDP-40</b>	42	110	125	1.300	1.890	1590,0	4.900
<b>CDP-60</b>	58	110	140	1.800	2.250	1900,0	4.900
<b>CDP-75</b>	76	120	160	2.400	2.710	2210,0	5.200
<b>CDP-120</b>	119	160	200	3.750	3.040	2540,0	5.200
<b>CDP-170</b>	170	200	250	5.400	3.450	2850,0	5.400
<b>CDP-230</b>	230	225	300	7.300	4.000	3200,0	5.400

enki reserves the right to change the specifications referred to in this table at any time, without prior notice.