



## Flocculator KD29



# Flocculator KD29

Flocculator KD 29 is used for sludge dewatering where polymer is used to improve the process. Polymer requires a certain combination of mixing and maturing to obtain full activation. Flocculator KD 29 is designed to mix the sludge flowing in with the polymer added.

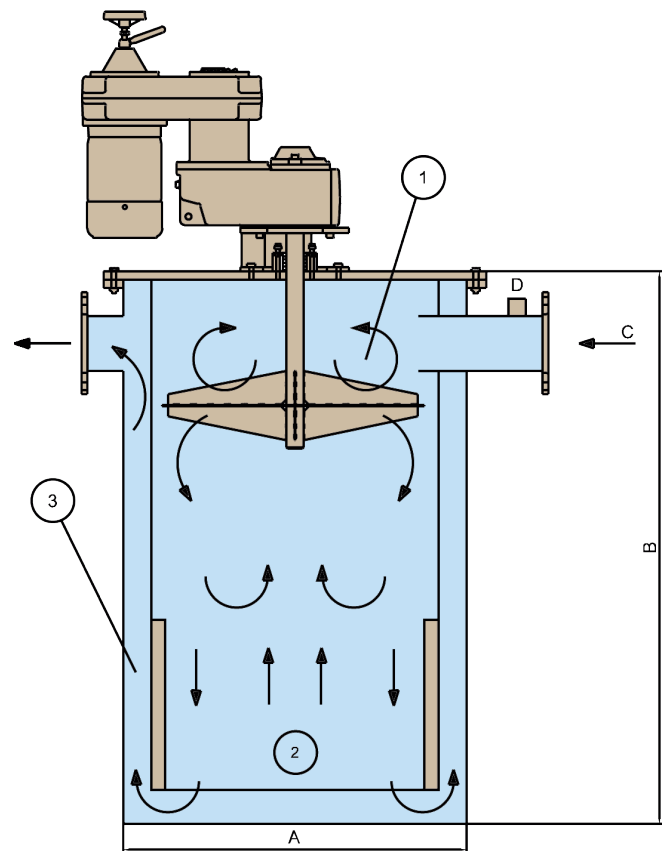
The flocculator is used for sludge which is difficult to dewater and where static mixers such as the Static Mixer KD 28 or the Polyring KD 21 do not have the effect desired.

Simultaneous heavy stirring and increasing retention time lead to the formation of flocs that can be dewatered. The flocculator is dimensioned for a retention time of 2 min. Due to the built-in baffles, the stirrer effect is gradually reduced as the retention time increases and the flocs grow larger and larger.

The flocculator is a pressure-tight construction. This results in great flexibility regarding the placement of the flocculator, because the following sludge pipe can be led upwards.

The following advantages can be mentioned:

- Fully made of stainless steel (acid-proof as an option)
- Controlled retention time of 2 min.
- Better mixing effect with variable stirrer.
- Large capacity.
- Compact unit.
- Quick and easy connection.



1. Heavy stirring (mixing of water and polymer)
2. Stirring (flocculation)
3. Maturing (flocs form larger flocs)

Model	KD 29-200	KD 29-400	KD 29-600	KD 29-800	KD 29-1000	KD 29-1200	KD 29-1400
Diameter, Amm]	Ø200	Ø400	Ø600	Ø800	Ø1000	Ø1200	Ø1400
Height, B [mm]	700	900	1100	1300	1500	1700	2000
Connection, C	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250
Polymerconn. D	½"	¾"	1"	1 ¼"	1 ½"	2"	2"
Capacity *) [m3/h]	0,7	3,5	9,0	20	35	58	90
Power (kW)	1,1	1,5	2,2	3,0	4,0	5,5	7,5
R/min	45-227	45-224	34-221	33-217	31-245	32-238	32-240
<b>Specifications</b>							
Material:	Stainless steel SS2333 / option: acid-proof SS2343						
Surface treatment:	Dip pickling						
Gearmotor make:	NordGear with variator						

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