

DYNAMIC THICKENER

GENERAL CHARACTERISTICS

The dynamic thickener with screw is a modern and economical solution for thickening sludge. The thickener is used in many plants and generally installed upstream of filter presses, belt presses, centrifuges and drying beds, to attain dehydration with suitable concentration of the suspended solids.

It can also be used to optimize sludge for the production of biogas, or as a filter for capturing coarse bodies.

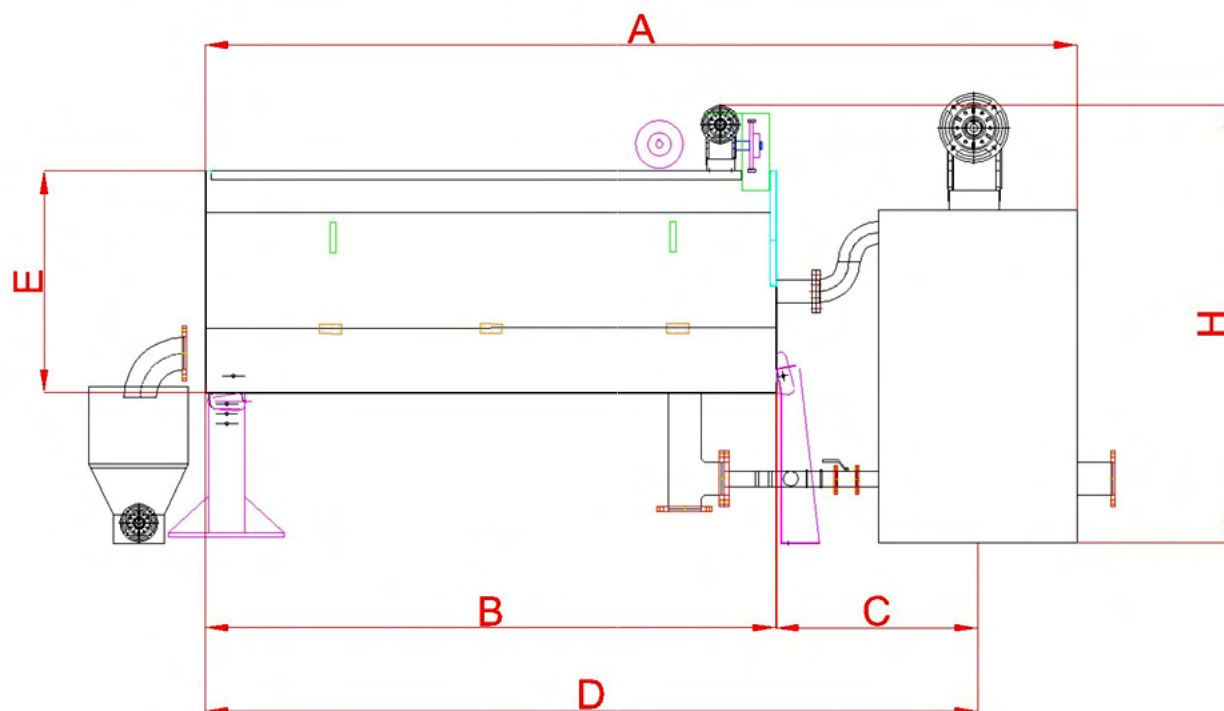
The dynamic thickener is highly reliable and involves low start-up costs, permitting consistent dehydration of excess sludge up to 8% of the suspended solids, the thickening of mixed sludge up to 12% of suspended solids and reduction in volume.

CONSTRUCTIONAL CHARACTERISTICS

- FRAME in 304 stainless steel;
- COLLECTION TANK and closure protection devices in AISI 304 steel;
- Variable speed mixing cylinder;
- FOUR variable speed motors for treating sludge at rates between 10 and 120 cubic metres/hour.



DYNAMIC THICKENER



DIMENSIONS (mm)

TYPE	E	A	B	C	D	H
AD 60	600	3000	1600	800	2400	1730
AD 80	800	3500	2500	800	3300	1830
AD 100	1000	4200	3000	800	3800	1930
AD 120	1200	4800	3000	1400	4400	2030

Main Features

UNIT

Dimensions

MODELS		AD 60	AD 80	AD 100	AD120
Rotary drum	Ø mm	600	800	1000	1200
Total power	Kw	1,70	1,85	2,25	3,5
Variator	RPM	6÷33			
Input sludge	DN	80	80	100	125
Cylinder reactor	Ø mm	600	600	800	800
Rotary drum lenght	mm	1600	2500	3000	3000
Variator	RPM	2÷10			
Filter area	m²	3,00	4,50	9,42	11,2
Wash pump (3 Bar)	Q mc/h	3,5	4,00	4,5	6,5
Dry input	%	0,4 ÷ 3,0			
Seasoned	%	6 ÷ 12			
Mud flow (0,4-3%)	mc/h	30 ÷ 10	50 ÷ 20	80 ÷ 30	120 ÷ 30
Empty weight	Kg	600	800	980	1200

The company reserves the right to make modification and improvements without prior notice.