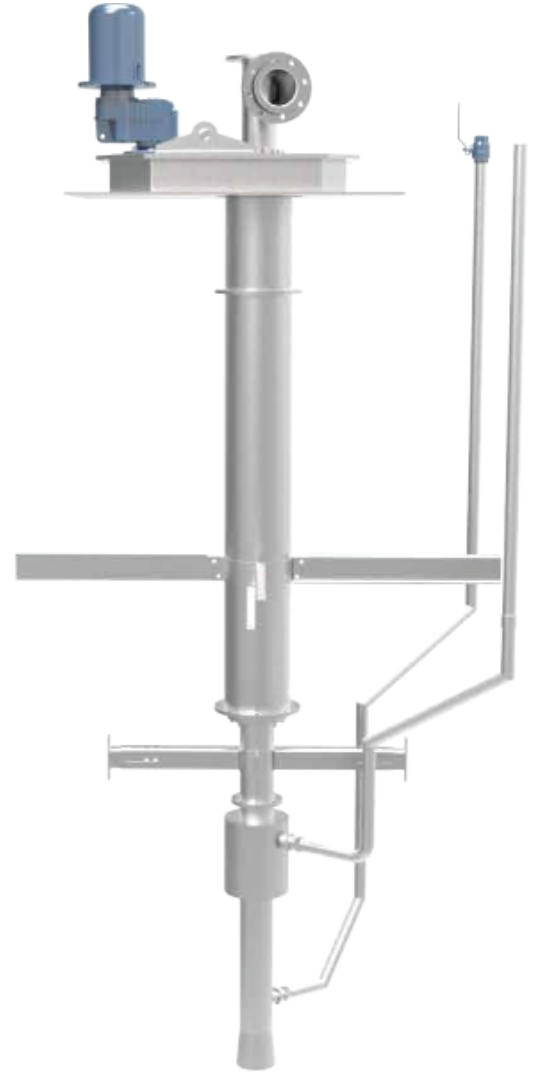
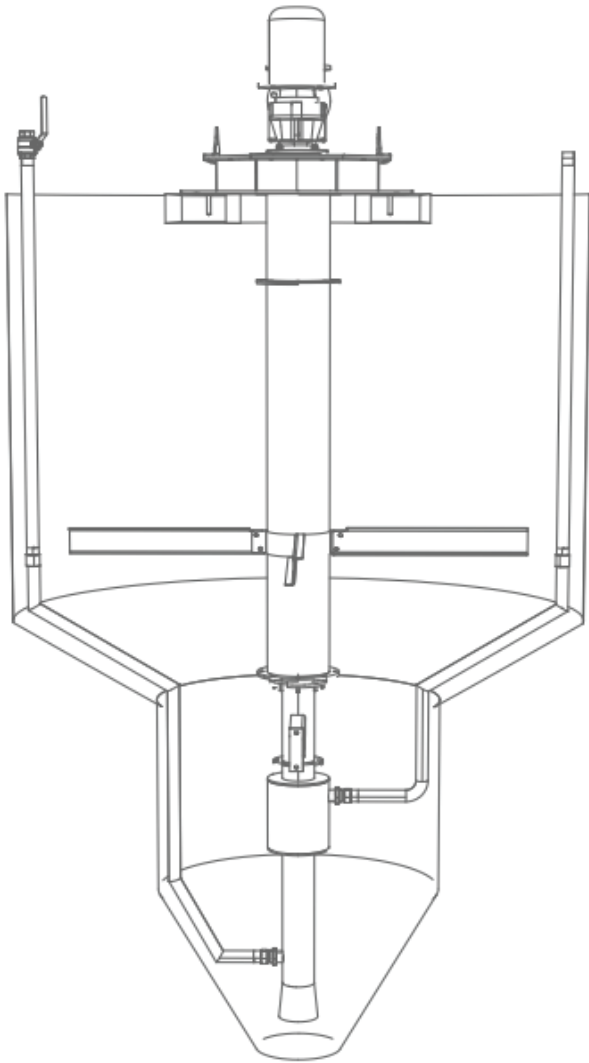


VXGR – VORTEX GRIT SEPARATOR



Vortex Grit Chamber follows screening equipment. The screened influent enters tangentially and flows around the upper chamber. Rotating paddles augment the spiraling flow to create a mechanically induced vortex which settles the grit, transports it to the center opening of the fixed floor plate for collection in the lower chamber, and lifts and returns the lighter organic particles to the main flow. The grit solids are removed from the lower chamber by an air lift or recessed impeller pump for further washing and dewatering. Driving group composed by an internal toothed bearing, pinion and gearmotor.

Thick central shaft coupled to the toothed bearing, complete with properly shaped rotating paddles. Hydroextracting pipe of suitable diameter with attaching devices of 1" ¼ for inlet of air and water. Impeller will be supplied with surface scraper to remove the oil/grease present in the effluent and previously floated thanks to the action of the air injection into the hopper provided by the air blower.

DESCRIPTION

- Manufacturer: FLUITECO
- Model: VXGR
- Material: Stainless Steel
- Surface Treatment: Pickled & passivated

Vortex unit are used for the separation and cleaning of sandy material from wastewater. These machines consist of a tangential inlet and conical decantation hopper that give to sandy waste water a rotational movement; this rotation facilitates the sedimentation process.



VXGR - THEORICAL FLOWRATE

MODEL	VXGR20	VXGR25	VXGR30	VXGR35	VXGR40	VXGR50	VXGR60
Inlet flow (mc/h)	430	760	1220	1870	3160	5000	8300
Hopper capacity (mc)	3	5	8,5	13	20	34	55
Motor power installed (kw)	0,37	0,55	0,75	0,75	1,1	1,5	2,2
Air Lift diameter (mm)	80	80	80	80	100	100	100



VXGR- STANDARD DIMENSIONS

MODEL	VXGR20	VXGR25	VXGR30	VXGR35	VXGR40	VXGR50	VXGR60
Max diameter - $\varnothing D$ (mm)	2000	2500	3000	3500	4000	5000	6000
Lower diameter - $\varnothing D_f$ (mm)	1000	1000	1500	1500	1500	1500	1500
Hd (mm)	1300	1350	1450	1550	1700	1850	1950
S (mm)	300	400	450	600	800	1000	1300
Hdf (mm)	700	700	1000	1300	1300	1600	1600
Sf (mm)	600	600	800	1000	1000	1200	1200

