



Plant and equipment for sludge dewatering from wastewater and industrial process.

## GA - BDF

ALCI designs, builds and plants centrifuges and mobile systems for the following sectors and applications:

### SECTORS

- Ecology / Treatment
- Industrial
- Chemical / Petrochemical
- Food
- Zootechnical

### USES

- Sludge dehydration
- Extraction, refining and recovery of fuel oils
- Sewage treatment
- Sludge treatment from food processes

### SERVICES

- Mobile plant renting for sludge dewatering
- Technical advice about product placement for plant engineering and building

### PRODUCTS

- Centrifugal extractors
- Centrifugal extractors mobile and based plant for sludge dewatering system

## Centrifuges Range

Size GA/BDF	Bowl Diameter [ mm ]	Slenderness ratio L/D	Main Motor Power * [ mm ]	Bowl Max Speed [ rpm ]	Max Acceleration [ m/s <sup>2</sup> ]	Length A [ mm ]	Width B [ mm ]	Height C [ mm ]	Weight [ kg ]	Hydraulic Capacity [ m <sup>3</sup> /h ]	
										Version STD	Version H
GA 240	240	4,83	5,5 / 7,5	6.000	53.500	2.200	720	900	800	5	6
GA 300	300	3,35	7,5 / 11	5.900	53.500	2.280	900	1.190	1.200	8	9
GA 300 L	300	4,8	11 / 15	5.900	53.500	2.750	700	1.350	1.100	10	12
GA 400	400	3,27	11 / 15	4.000	34.200	3.000	1.140	1.420	1.900	16,5	20
GA 400 L	400	4,80	15 / 18,5	4.000	34.200	3.550	950	1.500	2.500	35	40
BDF 500	500	2,8	30 / 37	3.400	31.700	3.400	1.200	1.800	2.500	40	45
BDF 500 L	500	3,9	37 / 45	3.400	31.700	4.000	1.200	1.800	3.300	50	60
BDF 650	630	3,0	45 / 55	2.250	17.500	4.350	1.500	1.900	5.900	80	90
BDF 650 L	630	4,1	55 / 75	2.250	17.500	5.000	1.500	1.900	6.300	100	110

\* available with dual motor drive

### High quality materials

All parts of the machine in contact with the product, are made of stainless steel AISI 304 or 316L, with the exception of the drum which is instead made of duplex stainless steel, with very high characteristics of mechanical resistance to abrasion and chemical corrosion resistance. All the components of the centrifugal most exposed to the erosive action of the normal biological sludge, are protected with a continuous coating of high tungsten carbide thickness, while the outlet holes of the dehydrated sludge are protected with ceramic material with very high surface hardness, which ensures a lot longer life than normal stainless steels.

### HYDRAULIC Version (H)

The centrifuges are high yield. All models can be equipped with a high-pressure hydraulic device which is electronically controlled and it can manage and handle the variation of the differential speed between screw and drum.

