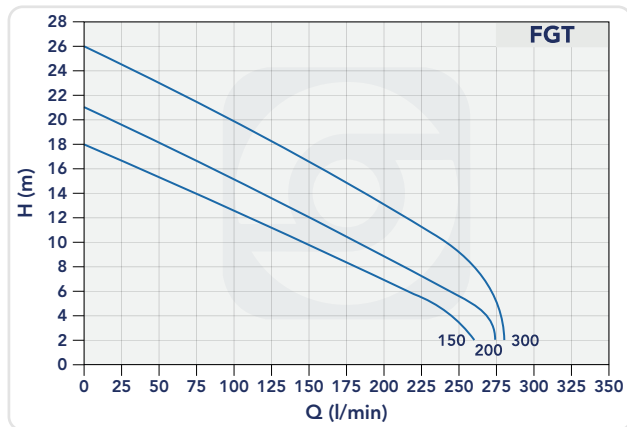




FGT Series

Submersible shredder pump for sewage



Description

- Submersible shredder pump for sewage that is widely used for lifting civil and industrial wastes, slaughterhouses, stables and sewers.
- It is equipped with an innovative shredding system that allows cutting the solid parts and pumping them with the liquid, ensuring the cleaning of the pipeline.
- Any material that cannot pass through the shredder due to its dimensions is rejected from the shredder itself.
- Not suitable for pumping combustible fluids. It is also forbidden to position or to remove the pump by means of the electric cable.

Materials

Pump casing	GG-20 cast iron
Impeller	GG-20 cast iron
Motor casing	GG-20 cast iron
Motor-pump shaft	416 SS
Mechanical seal	Ceramic/graphite
Gaskets	Nitrile rubber

Technical data

Motor	Monofásico o trifásico según modelo
Tension	- Monofásica 230V $\pm$ 5% - Trifásica 230/400 V $\pm$ 5%
Poles	2
Level of protection	IP68
Insulation	F Class

Usage limits

Range of flow rates	Up to 280 l/min depending on the model
Range of pressures	Up to 2,6 bar depending on the model
Max. Working pressure	4 bar
Max. Working temperature (continuous duty)	60°C

Max. Working temperature (intermittent duty)	90°C
Minimum pumping level	10 cm above the pump casing
Maximum fluid density	Not exceeding 1100 kg/m ³



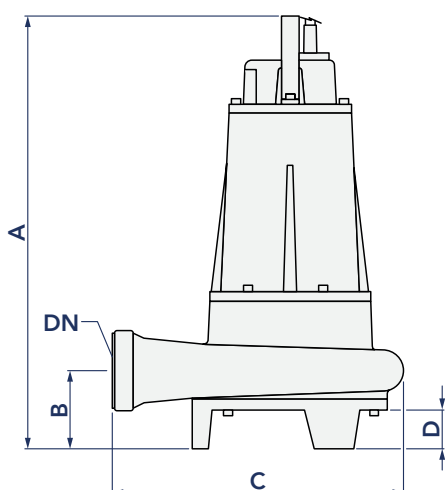
Electric characteristics

Model	Power	Consumption (A)				Section of cable	Cable extension	Solid parts
	HP	Single-phase		Three-phase		mm	m	Inches
		230V	µF	230V	400V			
<i>FGT 150/50 M</i>	1,5	9	31,5	-	-	4x1,5	10	2"
<i>FGT 150/50 T</i>	1,5	-	-	5	3,5	4x1,5	10	2"
<i>FGT 200/50 M</i>	2	11,7	40	-	-	4x1,5	10	2"
<i>FGT 200/50 T</i>	2	-	-	7	4	4x1,5	10	2"
<i>FGT 300/50 T</i>	3	-	-	9,5	5	4x1,5	10	2"

Operating features

Model			Height											
			2 m	4	6	8	10	12	14	16	18	20	22	24
			0,2 bar	0,4	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4
FGT 150/50 M-T	Flow	m³/h	15,6	14,4	12,9	10,8	8,4	6,6	4,5	2,1				
		l/min	260	240	215	180	140	170	75	35				
FGT 200/50 M-T		m³/h	16,4	16	14,4	12,6	10,8	9	6,9	5,1	3	0,9		
		l/min	273	267	240	210	180	150	115	85	50	15		
FGT 300/50 T		m³/h	16,8	16,5	16,2	15,6	14,4	12,9	11,1	9,3	7,5	5,7	3,9	1,8
		l/min	280	275	270	260	240	215	185	155	125	95	65	30

Dimensions



Model	Pump dimensions					Weight
	DN	A	B	C	D	kg
<i>FGT 150/50 M-T</i>	2"	475	77	287	38	32
<i>FGT 200/50 M-T</i>	2"	475	77	287	38	34
<i>FGT 300/50 T</i>	2"	475	77	287	38	36