

# GRP

## Impeller with grinder system

All product images are indicative only



### General characteristics

Impeller with grinder system	
motor power	7,2 kW
poles	2
discharge	GAS 2" DN32 horizontal
free passage	-
max flow rate	6.7 l/s
max head	53.9 m

### Electromechanical assembly

Electromechanical assembly in GJL-250 cast iron, for submerged operation. Seal set comprising 2 (two) silicon carbide mechanical seals installed in series in inspectable oil sump and 1 (one) opposed graphite-alumina lip seal lubricated by the motor oil. Oil bath motor.

### Applications

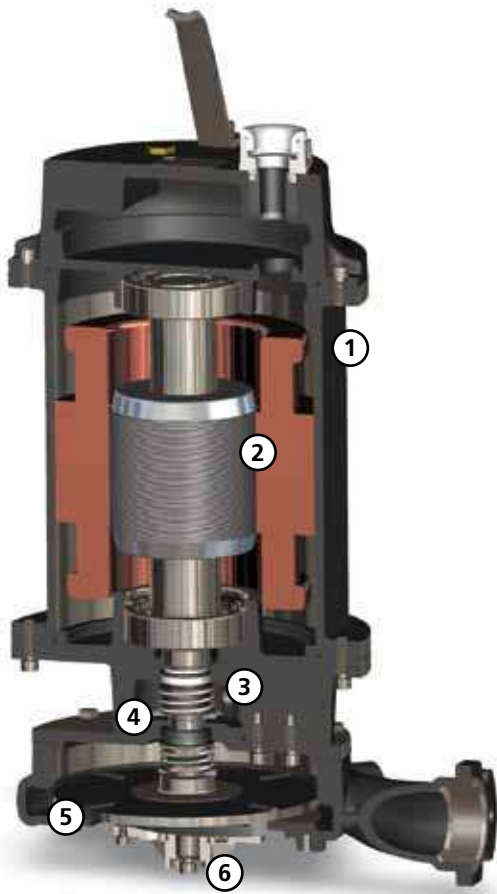
Designed for professional and industrial use, it is suitable for the treatment of liquids containing suspended solids or fibres, and low or medium density activated sludges.

### Construction materials

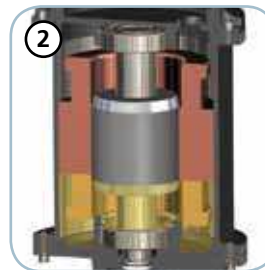
Case	Cast iron - EN-GJL 250
Impeller	Cast iron EN-GJL-250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Cutter material	Chromium steel - X102 CrMo17 KU
Cutting disk material	Chromium steel - X102 CrMo17 KU
Shaft	Stainless steel - AISI 420
Paint type	Ecological bicomponent epoxy (medium thickness 150 µm)
Set of standard mechanical seals	Two silicon carbide mechanical seals (2SiC) and one carbon-aluminium oxide mechanical seal (AL)

### Operating limits

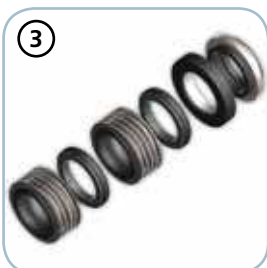
Maximum operating temperature	40 °C
PH of treated fluid	6 ÷ 14
Viscosity of treated fluid	1 mm <sup>2</sup> /s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm <sup>3</sup>
Maximum acoustic pressure	70 dB
max starts per hour	20



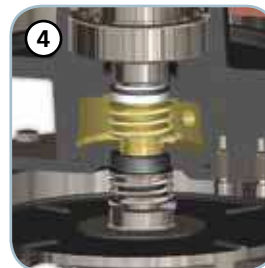
**1 Structure**  
Constructed in GJL-250 cast iron



**2 Motor**  
Oil-bath motor with thermal protections



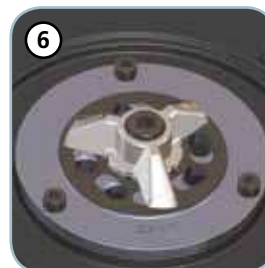
**3 Mechanical seals**  
Two mechanical seals in silicon carbide (2SiC) and one mechanical seal in alumina graphite (AL) for maximum reliability even in heavy-duty applications



**4 Oil sump**  
Large oil sump to guarantee longer mechanical seal lifetime



**5 Anti-clogging system**  
The special design of the hydraulic part ensures the expulsion of suspended solids and prevents fouling of the impeller



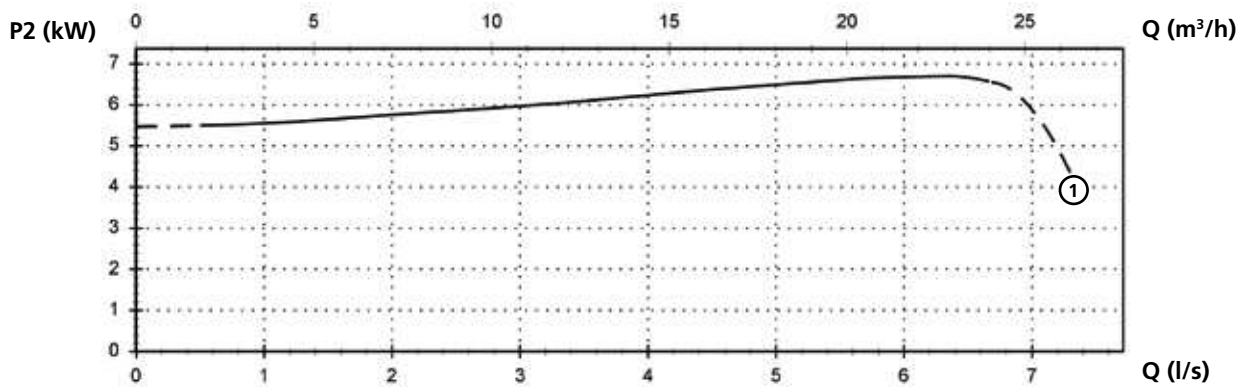
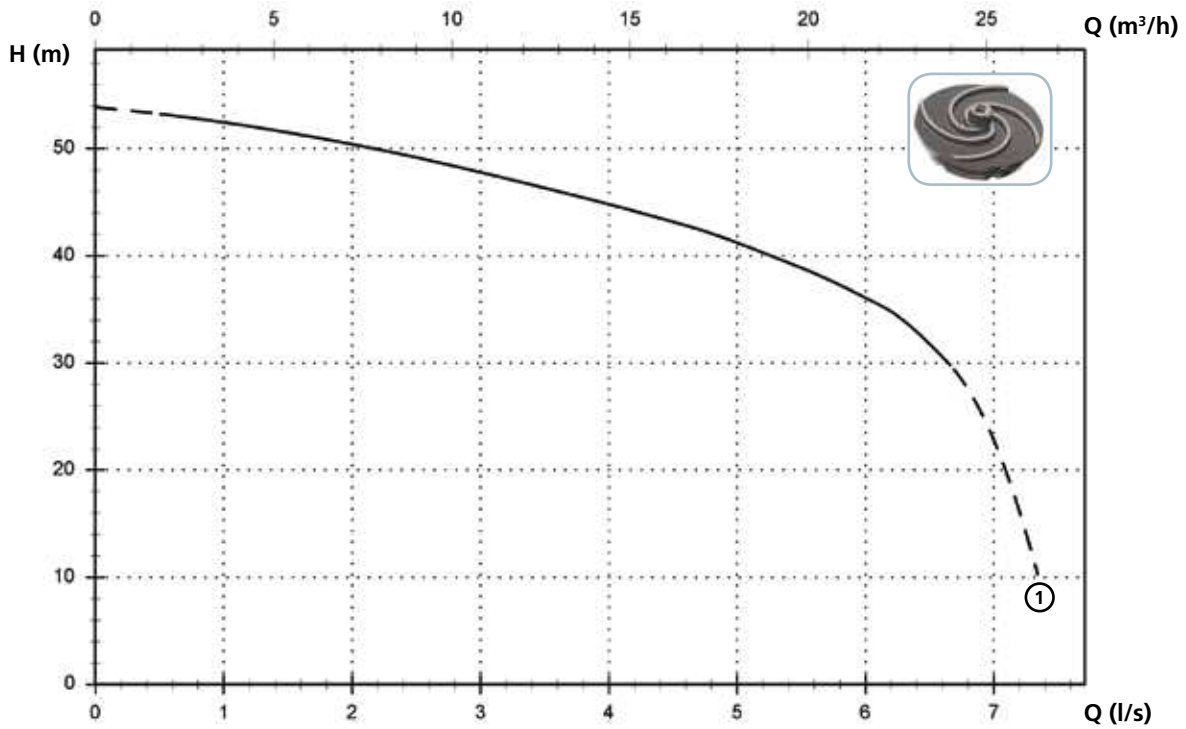
**6 Grinder system**  
Grinder system comprising a revolving cutter and a plate with holes with sharpened edges that fine-chops filaments, preventing fouling of the impeller

Up to 69.000 cuts per minute

# GRP

## Models with horizontal GAS 2" threaded - DN32 PN6 flanged discharge - 2 poles

### Performances



### Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① GRP 750/2/G50H A0HT/50	400	3	8.8	7.2	14.5	2900	Y Δ	G2"-DN32 PN6	A	-

(\*) A = 07RN-F 7G1.5+3x0.75 - 10 m

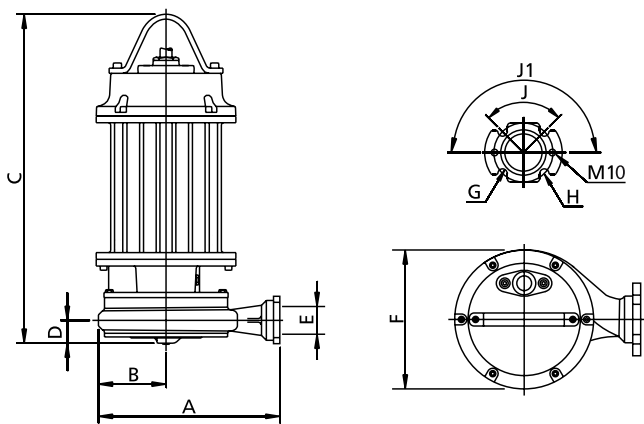
Electrical and mechanical features are equal to the cable H07RN-F

**Versions available**

(Key to versions on page 16)

	Electrical variants										Cooling				Mechanical seals					
	N A E	T	T C	T C D	T C D T	T C D G T	T C G	T C S T	T C S G T	T S	T R	T R G	N	CC CCE	FT	C G F T	2SIC	SICM	SICAL	2SICAL
GRP 750/2/G50H A0HT/50	●									●			●							●

**Overall dimensions and weights**



	A	B	C	D	E	F	G	H	J	J1	kg
GRP 750/2/G50H A0HT/50	350	130	670	80	G 2"	270	14	90	90°	180°	91

Dimensions in mm

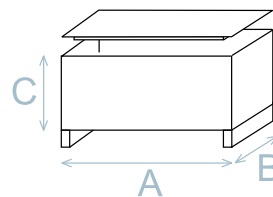
All weights and dimensions are indicative only

**Packaging dimension**

	A	B	C
GRP 750/2/G50H A0HT/50	725	445	415

Dimension in mm

All weights and dimensions are indicative only



**Installations available**

