

GRE

## Impeller with grinder system

All product images are indicative only



## General characteristics

## Impeller with grinder system

motor power	1,5 kW
poles	2
discharge	GAS 2"-DN32 horizontal
free passage	-
max flow rate	6.3 l/s
max head	27.3 m

## Electromechanical assembly

Electromechanical assembly in GJL-250 cast iron, for submerged operation. Seal set comprising 1 (one) silicon carbide mechanical seal and 1 (one) lip seal. Ecological dry motor.

## Applications

Suitable for lifting soiled wastewaters containing filaments or fibres, and unstrained household sewage in general.

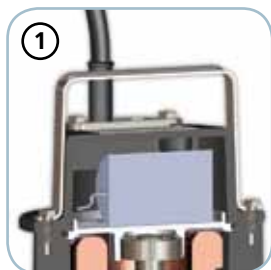
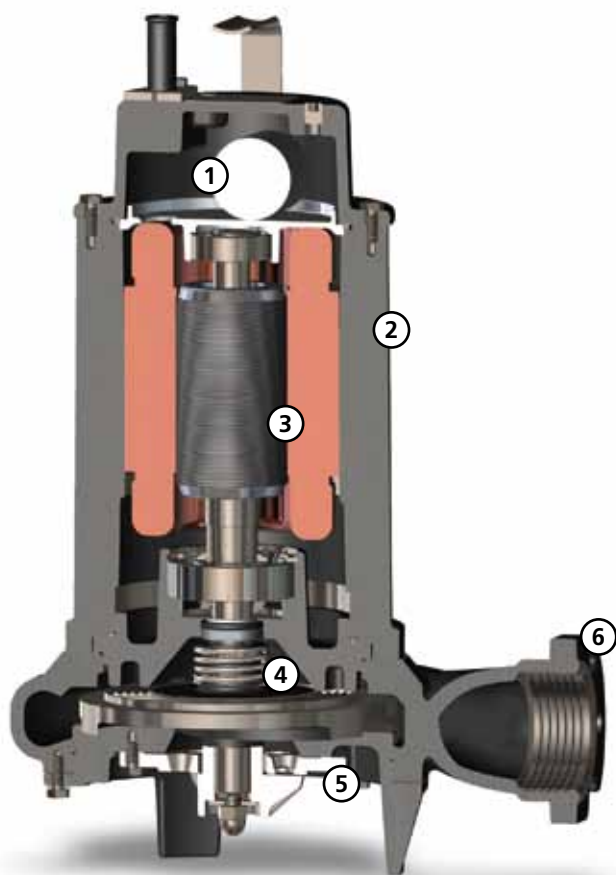
## Construction materials

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 80 µm)
Set of standard mechanical seals	One silicon carbide mechanical seal (SiC) and one lip seal

## 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	30

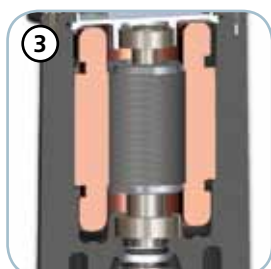
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**Capacitor/relay**

Single-phase models with internal capacitor and control cabinet with circuit breaker capacitor and overload protection. Three-phase models with motor protection relay

**Structure**

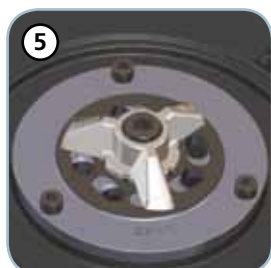
Constructed in GJL-250 cast iron

**Motor**

Ecological dry motor with thermal protections

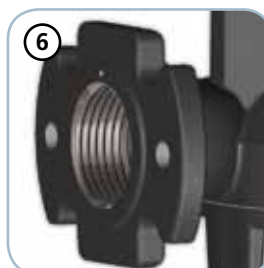
**Mechanical seals**

One mechanical seal in silicon carbide (SiC) and one lip seal

**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

**Discharge**

Threaded, flanged discharge for the maximum ease of installation

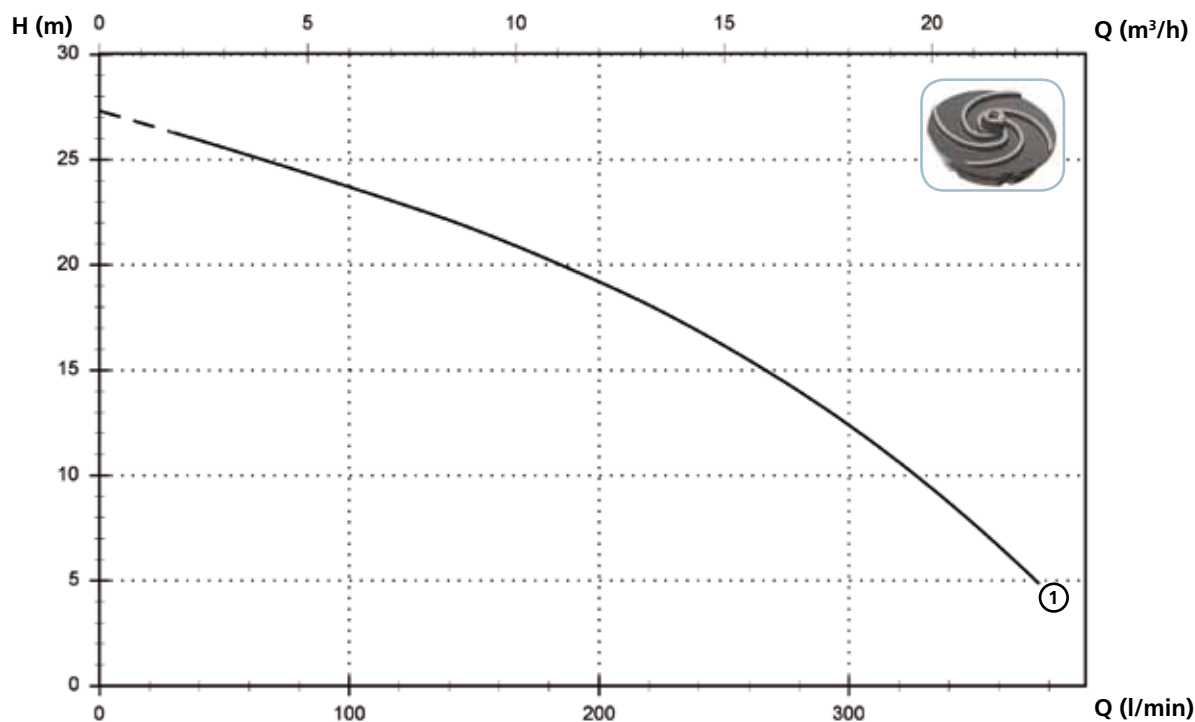
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## Models with horizontal GAS 2" threaded - DN32 PN6 flanged discharge - 2 poles

### Performances

l/s	0	1	2	3	4	5	6
l/min	0	60	120	180	240	300	360
m <sup>3</sup> /h	0	3.6	7.2	10.8	14.4	18.0	21.6

① GRE 200/2/G50H A0CM(T)50	27.3	25.2	22.9	20.2	16.8	12.4	6.6
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### Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① GRE 200/2/G50H A0CM/50	230	1	-	1.7	10.6	2900	Dir	G 2"-DN32 PN6	B	-
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① GRE 200/2/G50H A0CT/50	400	3	-	1.7	3.8	2900	Dir	G 2"-DN32 PN6	B	-

(\*) A = H07RN-F 4G1 - 5 m cable length. Optional 10 m cable length.

B = H07RN-F 4G1 - 10 m cable length

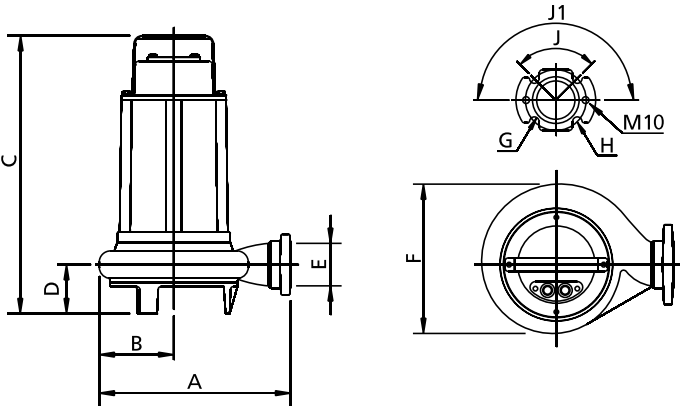
Attention: Standard EN 60335-2-41 requires the use of a 10 m cable length in outdoor applications

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
GRE 200/2/G50H A0CM/50					●	●							●					●		
GRE 200/2/G50H A0CT/50											●	●	●					●		

Overall dimensions and weights



	A	B	C	D	E	F	G	H	J	J1	kg
GRE 200/2/G50H A0CM(T)/50	285	110	410	75	G 2"	220	14	90	90°	180°	26

Dimensions in mm

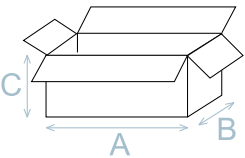
All weights and dimensions are indicative only

Packaging dimension

	A	B	C
GRE 200/2/G50H A0CM(T)/50	475	285	235

Dimension in mm

All weights and dimensions are indicative only



Installations available

