

GRE**motralec**

4 rue Lavoisier . ZA Lavoisier . 95223 HERBLAY CEDEX
 Tel. : 01.39.97.65.10 / Fax. : 01.39.97.68.48
 Demande de prix / e-mail : service-commercial@motralec.com
www.motralec.com



Impeller with grinder system

General characteristics

- Impeller with grinder system
- 1,5 kW motor power
- 2 poles
- GAS 2" - DN32 horizontal delivery port

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. Separate pump body. Series not available in explosion-proof version.

Applications

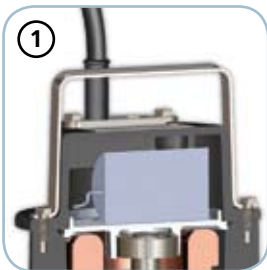
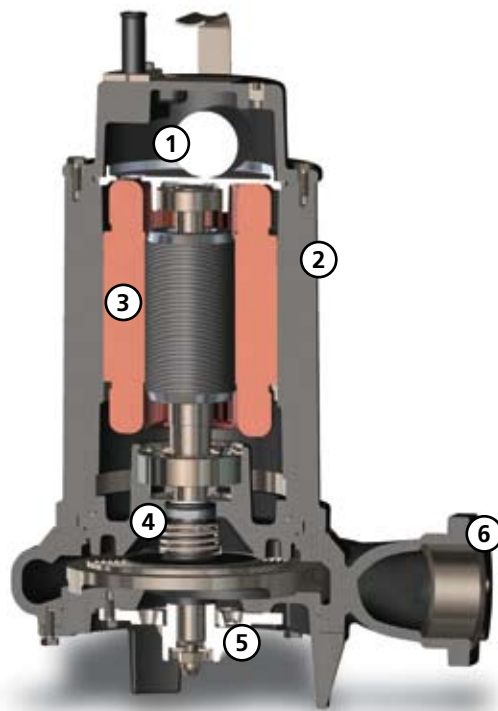
Suitable for lifting soiled wastewaters containing filaments or fibres, and unstrained household sewage in general.

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	Tool Stainless Steel - X102 CrMo17 KU
Cutting disk material	Tool Stainless Steel - X102 CrMo17 KU
Shaft	Stainless Steel - AISI 420
Set of standard mechanical seals	One Silicon carbide mechanical seal (SiC)

operating limits

Maximum operating temperature	40 °C
PH of treated fluid	6 to 10 pH
Viscosity of treated fluid	1 mm ² /s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm ³
Maximum acoustic pressure	70 dB
max starts per hour	20



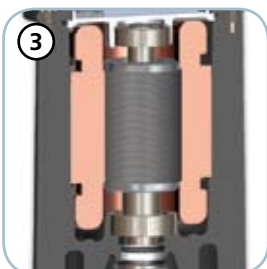
Capacitor/relay

Integral capacitor for single-phase models (relay for three-phase models)



Structure

Constructed in GJL-250 cast iron



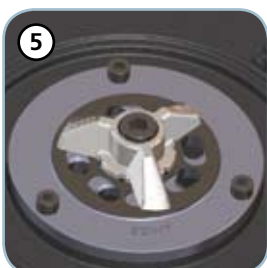
Motor

Ecological dry motor with thermal overloads



Mechanical seals

One mechanical seal in silicon carbide (SiC)



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



Delivery port

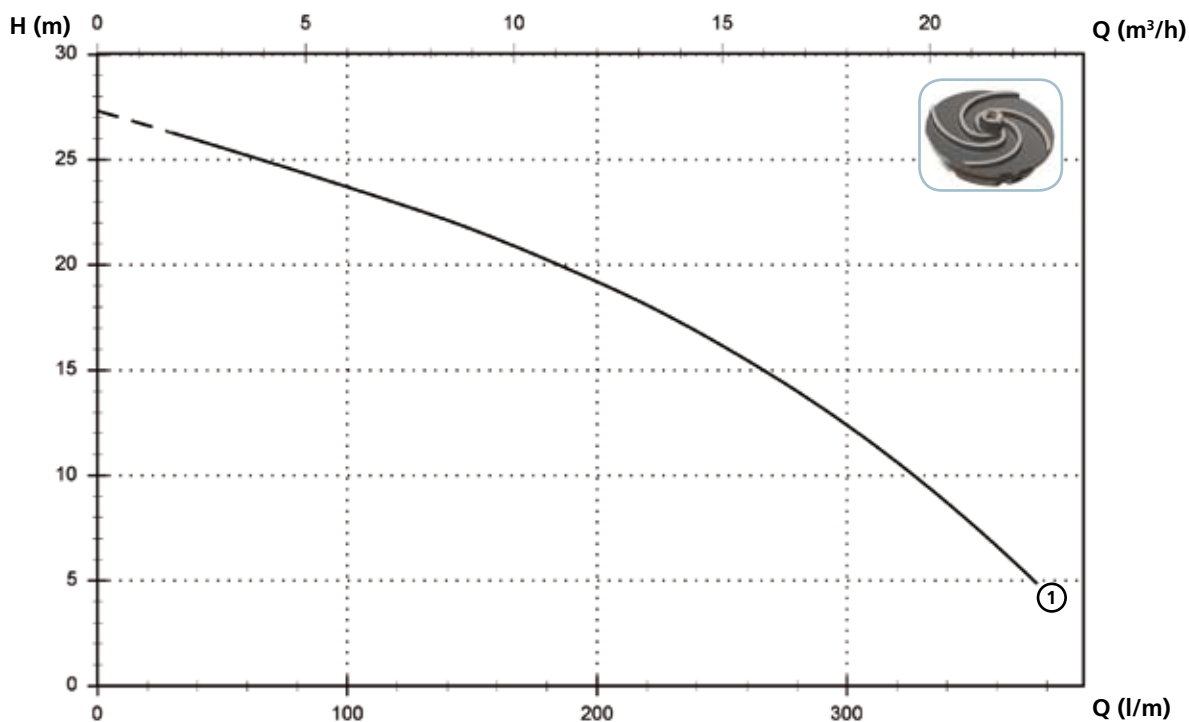
Threaded, flanged delivery port for the maximum ease of installation

GRE

Models with horizontal GAS 2" threaded - DN32 PN6 flanged delivery port - 2 poles

Performances

	l/s	0	1	2	3	4	5	6
	l/min	0	60	120	180	240	300	360
	m ³ /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



Technical data

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

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

(*) A = H07RN-F 3G1 - 5 m cable length. Optional 10 m cable length.
 B = H07RN-F 4G1 - 10 m cable length

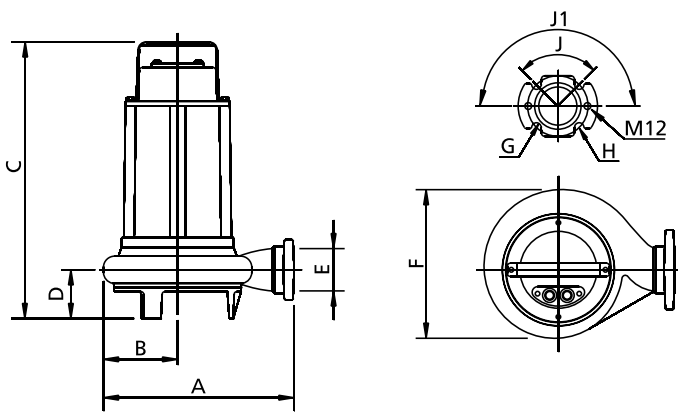
Attention: Standard EN 60335-2-41 requires the use of a 10 m cable length in outdoor applications

Versions available

(Key to versions on page 15)

	Electrical variants												Cooling		Mechanical seals						
	N A E	T	T C	T C D	T C D T	T C D G	T C G	T C S T	T C S G T	T S	T R	T R G	F T	C G F T	N	CC	2SIC	SICM	SICAL	2SICAL	
GRE 200/2/G50H A0CM/50					●	●									●			●			
GRE 200/2/G50H A0CT/50										●	●				●			●			

Overall dimensions and weights



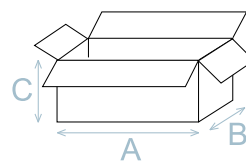
	A	B	C	D	E	F	G	H	J	J1	kg
GRE 200/2/G50H A0CM(T)/50	285	110	410	75	G 2"	220	14	90	90°	180°	26

Measurements in mm

Packaging dimension

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

Dimension in mm



Installations available

