

# GRI



Impeller with grinder system

### General characteristics

- Impeller with grinder system
- 1,7 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) graphite alumina lip seal, installed in series in inspectable oil sump. Ecological dry motor. Separate pump body. Series not available in explosion-proof version.

### Applications

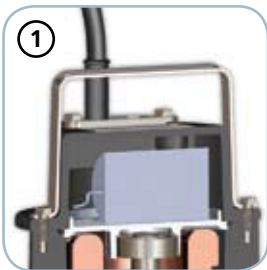
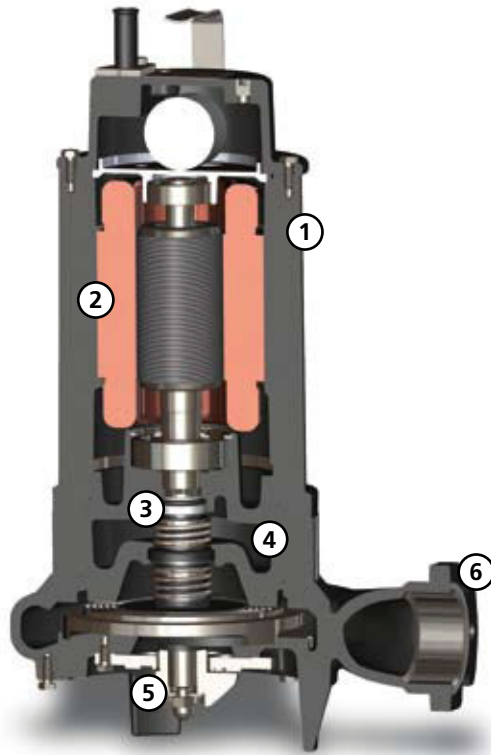
Can be used for lifting soiled wastewaters containing filaments or fibres, and heavy-duty applications with unstrained civil wastewaters in general.

### Construction materials

<b>Case</b>	Cast Iron EN-GJL 250
<b>Impeller</b>	Cast iron EN-GJL-250
<b>Nuts and bolts</b>	Stainless Steel - Class A2-70
<b>Standard gasket</b>	Rubber - NBR
<b>Cutter material</b>	Tool Stainless Steel - X102 CrMo17 KU
<b>Cutting disk material</b>	Tool Stainless Steel - X102 CrMo17 KU
<b>Shaft</b>	Stainless Steel - AISI 420
<b>Set of standard mechanical seals</b>	One Silicon carbide mechanical seal (SiC) and One Carbon-Aluminium oxide mechanical seal (AL)

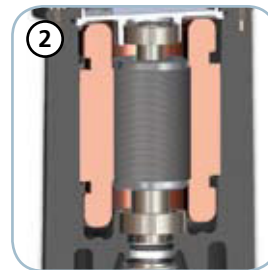
### operating limits

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



**Structure**

Constructed in GJL-250 cast iron



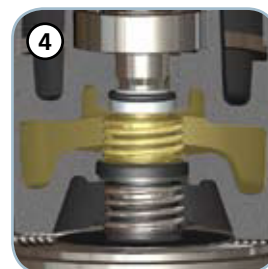
**Motor**

Ecological dry motor with thermal overloads



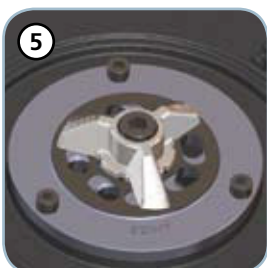
**Mechanical seals**

One mechanical seal in silicon carbide (SiC)



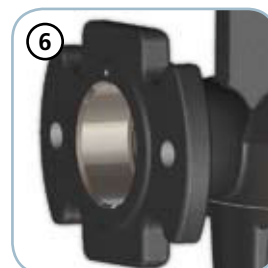
**Oil sump**

Large oil sump to guarantee longer mechanical seal lifetime



**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**

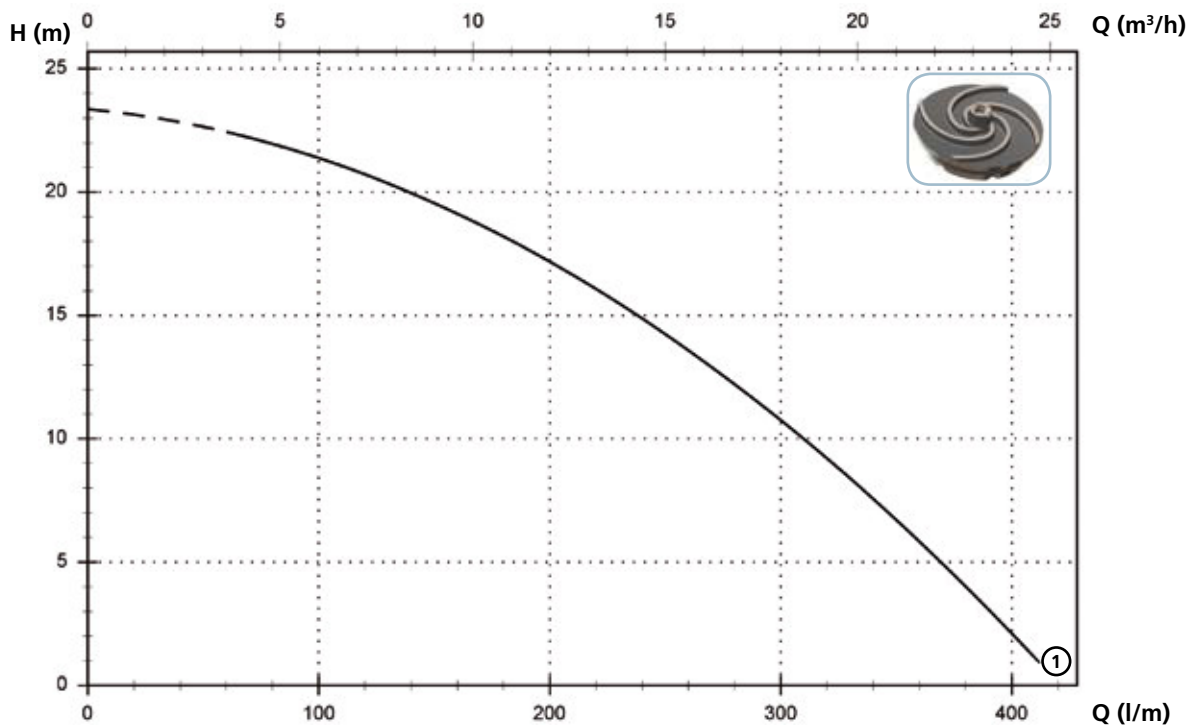
Threaded, flanged delivery port for the maximum ease of installation

# GRI

## 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 <sup>3</sup> /h	0	3,6	7,2	10,8	14,4	18,0	21,6
① GRI 200/2/G50H A0CM(T)/50		23,4	22,4	20,7	18,2	14,9	10,8	5,8



### Technical data

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

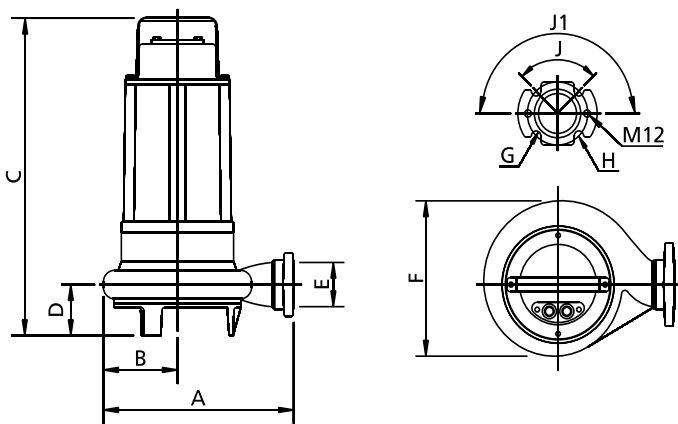
(\*) A = H07RN-F 4G1 - 10 m

**Versions available**

(Key to versions on page 15)

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

**Overall dimensions and weights**



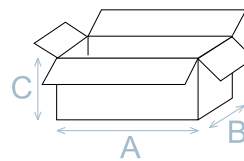
	A	B	C	D	E	F	G	H	J	J1	kg
GRI 200/2/G50H A0CM(T)/50	285	110	450	75	G 2"	220	14	90	90°	180°	32

Measurements in mm

**Packaging dimension**

	A	B	C
GRI 200/2/G50H A0CM(T)/50	580	310	310

Dimension in mm



**Installations available**

