

## GR Blue PRO

Impeller with grinder system

DESIGN BY

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### General characteristics

impeller with grinder system	
motor power	0,74 ÷ 1,5 kW
poles	2
discharge	GAS 1½"-DN32 horizontal
free passage	-
max flow rate	5.6 l/s
max head	27 m

All product images are indicative only



### Electromechanical assembly

Electromechanical assembly in EN-GJL-250 cast iron, for submerged operation, fitted with 2 (two) opposing silicon carbide mechanical seals in oil sump, and V-ring in direct contact with the liquid. Ecological dry motor. Pump body in single casting with motor casing.

### Applications

Recommended for unstrained civil wastewaters, including those containing filaments or fibres. This electric pump is intended for both domestic and professional use.

### 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	Two silicon carbide mechanical seals (2SiC), V-ring

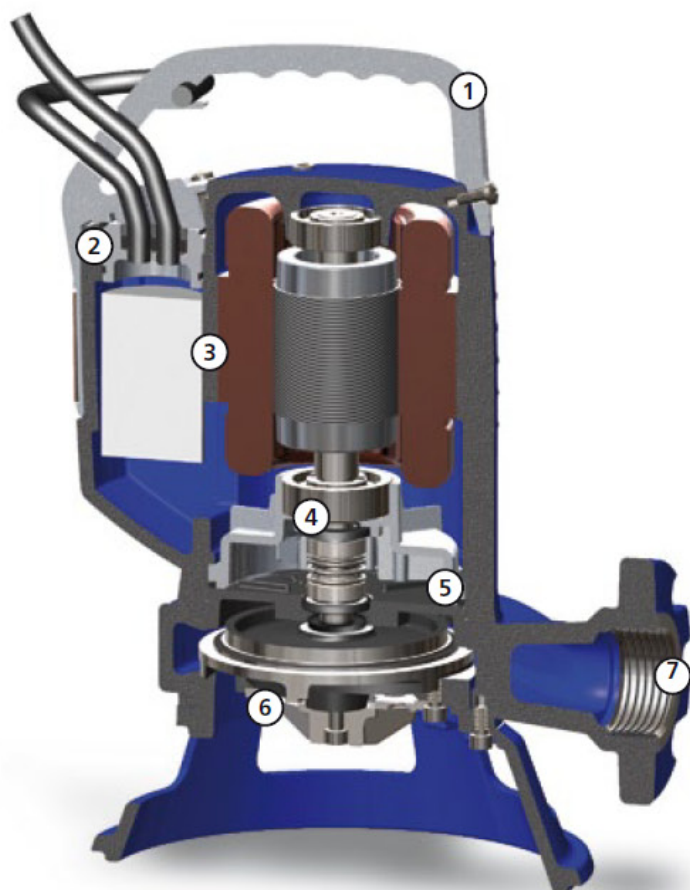
### Operating limits

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

Models available in IECEx certified version

Ex nA IIC T3  
Ex nA nC IIC T3

## GR BluePRO



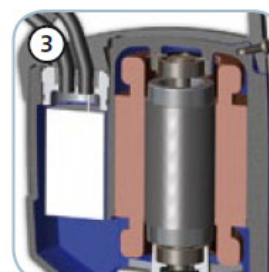
### Lifting handle

Ergonomic technopolymer lifting and carrying handle. Clip floatswitch adjustment.



### Cable gland System

Innovative cable gland system with twin O-rings to ensure maximum tightness.



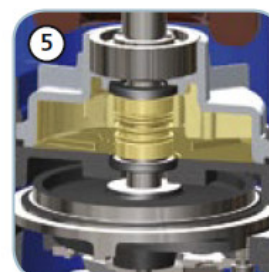
### Motor and electrical equipment

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



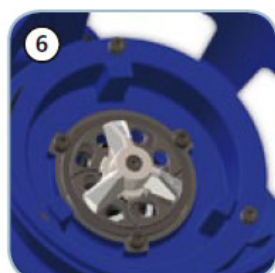
### Mechanical seals

Two silicon carbide mechanical seals (2SiC), and V-ring in direct contact with the liquid.



### Oil sump

Oil sump which guarantees longer mechanical seal lifetime, and is easily accessible thanks to a patented system to simplify maintenance procedures.



### Cutter

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 and foot

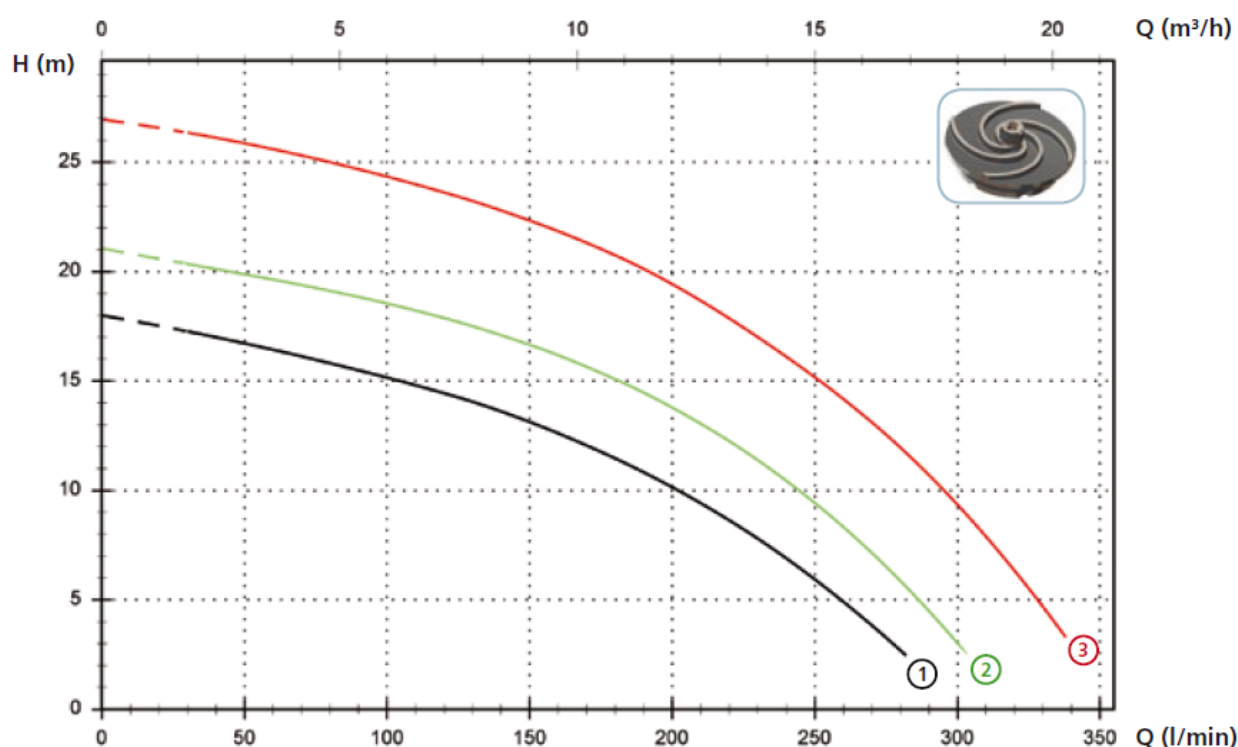
Threaded, flanged discharge for the maximum ease of installation. Cast iron foot.

## GR Blue PRO

Models with horizontal GAS 1½" threaded discharge and DN32 PN6 flange - 2 poles

### Performances

	l/s	0	1	2	3	4	5
	l/min	0	60	120	180	240	300
	m³/h	0	3.6	7.2	10.8	14.4	18.0
① GR BluePRO 100/2/G40H A1CM(T)/50		18.0	16.4	14.4	11.5	6.9	
② GR BluePRO 150/2/G40H A1CM(T)/50		21.1	19.6	17.9	15.1	10.4	3.0
③ GR BluePRO 200/2/G40H A1CM(T)/50		27.0	25.6	23.6	20.7	16.1	9.3



### Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① GR BluePRO 100/2/G40H A1CM/50	230	1	-	0.74	5.5	2900	Dir	G 1½"-DN32 PN6	A	-
② GR BluePRO 150/2/G40H A1CM/50	230	1	-	1.1	7.5	2900	Dir	G 1½"-DN32 PN6	A	-
③ GR BluePRO 200/2/G40H A1CM/50	230	1	-	1.5	10	2900	Dir	G 1½"-DN32 PN6	A	-

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① GR BluePRO 100/2/G40H A1CT/50	400	3	-	0.74	2.7	2900	Dir	G 1½"-DN32 PN6	B	-
② GR BluePRO 150/2/G40H A1CT/50	400	3	-	1.1	3.2	2900	Dir	G 1½"-DN32 PN6	B	-
③ GR BluePRO 200/2/G40H A1CT/50	400	3	-	1.5	4.3	2900	Dir	G 1½"-DN32 PN6	B	-

(\*) 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

## GR BluePRO

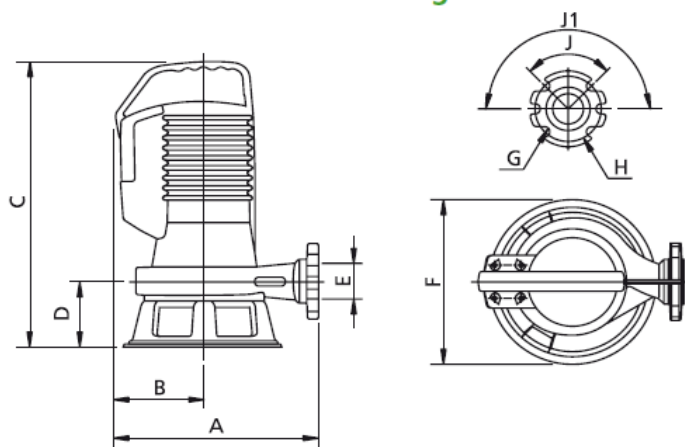
### Versions available

(Key to versions on page 16)

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	Electrical variants										Cooling				Mechanical seals				
	N A E	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
GR BluePRO 100/2/G40H A1CM/50				●	●							●				●			
GR BluePRO 100/2/G40H A1CT/50										●	●	●				●			
GR BluePRO 150/2/G40H A1CM/50				●	●							●				●			
GR BluePRO 150/2/G40H A1CT/50										●	●	●				●			
GR BluePRO 200/2/G40H A1CM/50				●	●							●				●			
GR BluePRO 200/2/G40H A1CT/50										●	●	●				●			

### Overall dimensions and weights



	A	B	C	D	E	F	G	H	J	J1	kg
GR BluePRO 100/2/G40H A1CM(T)/50	270	130	365	95	G 1½"	220	14	90	90°	180°	19
GR BluePRO 150/2/G40H A1CM(T)/50	285	125	410	100	G 1½"	230	14	90	90°	180°	24
GR BluePRO 200/2/G40H A1CM(T)/50	285	125	410	100	G 1½"	230	14	90	90°	180°	25

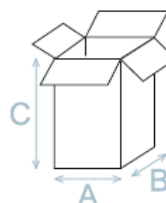
Dimensions in mm

All weights and dimensions are indicative only

### Packaging dimension

	A	B	C
GR BluePRO 100/2/G40H A1CM(T)/50	300	250	400
GR BluePRO 150/2/G40H A1CM(T)/50	300	250	440
GR BluePRO 200/2/G40H A1CM(T)/50	300	250	440

Dimension in mm



All weights and dimensions are indicative only

### No. pieces per pallet

For GR BluePRO models each pallet (EUR 1000x1200 mm) is able to take 32 pieces.

### Installations available

