

DR BluePRO

Multi-channel open impeller



DESIGN BY

pininfarina

General characteristics

multi-channel open impeller	
motor power	0,37 ÷ 1,5 kW
poles	2
delivery port	GAS 1 1/4" - 2" vertical
free passage	max 15 mm
max flow rate	11.5 l/s
max head	17.0 m

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

Suitable for use with clear or slightly soiled wastewaters containing small solids, strained water, rainwater, seepage and water pumped from underground, where high pumping rates are required. 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
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)

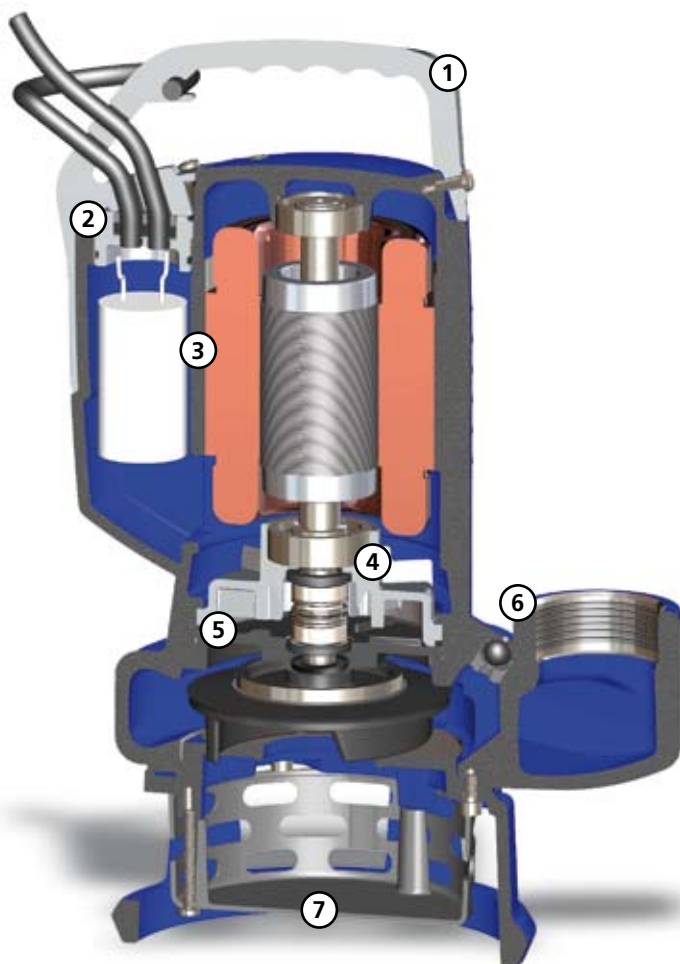
Operating limits

Maximum operating temperature	40 °C
PH of treated fluid	6 ÷ 11 pH
Viscosity of treated fluid	1 mm²/s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm³
Maximum acoustic pressure	70 dB
max starts per hour	20

Models available in IECEx certified version

Ex nA IIC T3
Ex nA nC IIC T3

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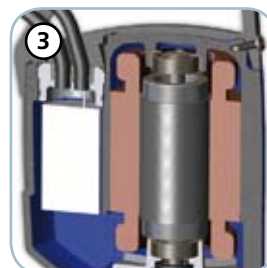
Lifting handle

Ergonomic aluminium lifting and carrying handle, coated for excellent mechanical strength and corrosion resistance. Clip floatswitch adjustment.



Cable gland System

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



Motor and electrical accessories

Dry motor with thermal protections. Single-phase models with internal capacitor. Three-phase models with motor protection relay (option)



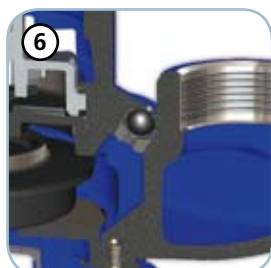
Mechanical seals

Two silicon carbide mechanical seals (2SiC)



Oil sump

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



Breather

Breather which allows the air to be vented and ensure reliable pump priming even after long periods out of use



Intake strainer

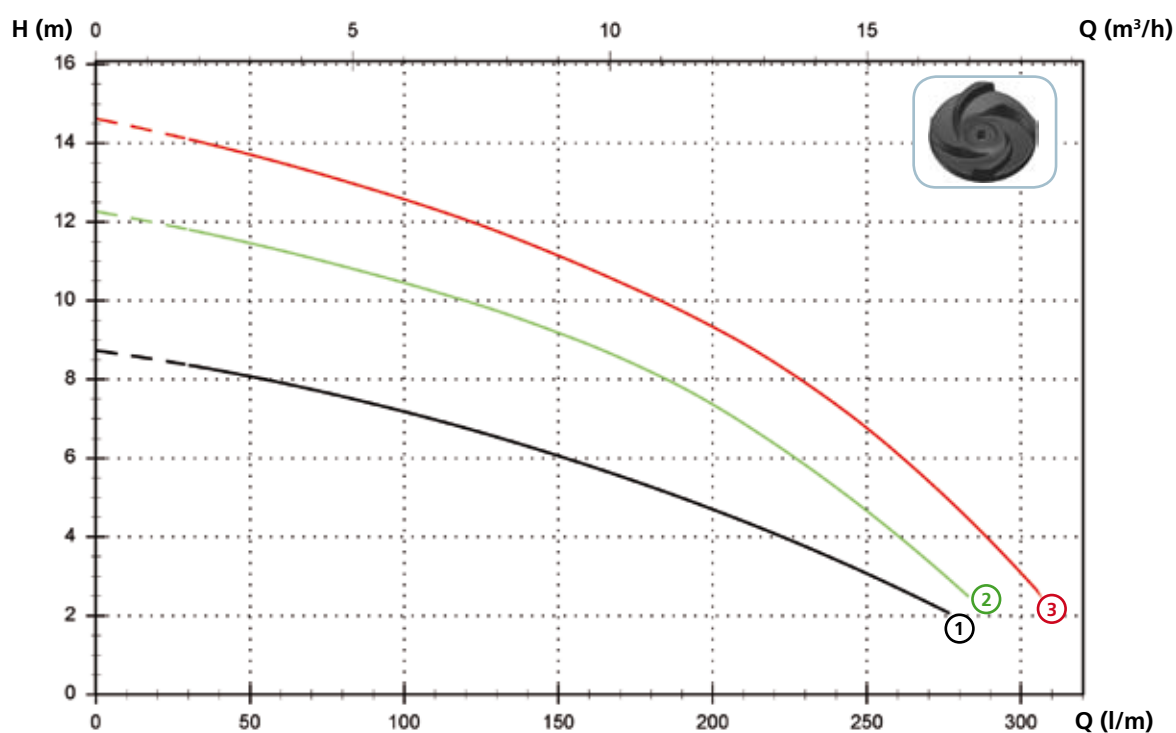
Stainless steel intake strainer and diffuser plate (models 50, 75 and 100). Polypropylene intake strainer with cast iron diffuser plate and foot (models 150 and 200)

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Models with vertical GAS 1 1/4" threaded delivery port - 2 poles motor

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 DR BluePRO 50/2/G32V A1BM(T)/50		8.7	7.9	6.8	5.3	3.4	
② DR BluePRO 75/2/G32V A1BM(T)/50		12.3	11.3	10.0	8.2	5.3	
③ DR BluePRO 100/2/G32V A1BM(T)/50		14.6	13.5	12.1	10.1	7.4	3.1



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① DR BluePRO 50/2/G32V A1BM/50	230	1	-	0.37	2.8	2900	Dir	G 1 1/4"	A	15 mm
② DR BluePRO 75/2/G32V A1BM/50	230	1	-	0.55	4.1	2900	Dir	G 1 1/4"	A	15 mm
③ DR BluePRO 100/2/G32V A1BM/50	230	1	-	0.74	5.6	2900	Dir	G 1 1/4"	A	15 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
① DR BluePRO 50/2/G32V A1BT/50	400	3	-	0.37	1.15	2900	Dir	G 1 1/4"	B	15 mm
② DR BluePRO 75/2/G32V A1BT/50	400	3	-	0.55	1.6	2900	Dir	G 1 1/4"	B	15 mm
③ DR BluePRO 100/2/G32V A1BT/50	400	3	-	0.74	2.15	2900	Dir	G 1 1/4"	B	15 mm

(*) A = H07RN-F 3G1 - 5 m cable length with schuko plug. Optional 10 m cable length with schuko plug.

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

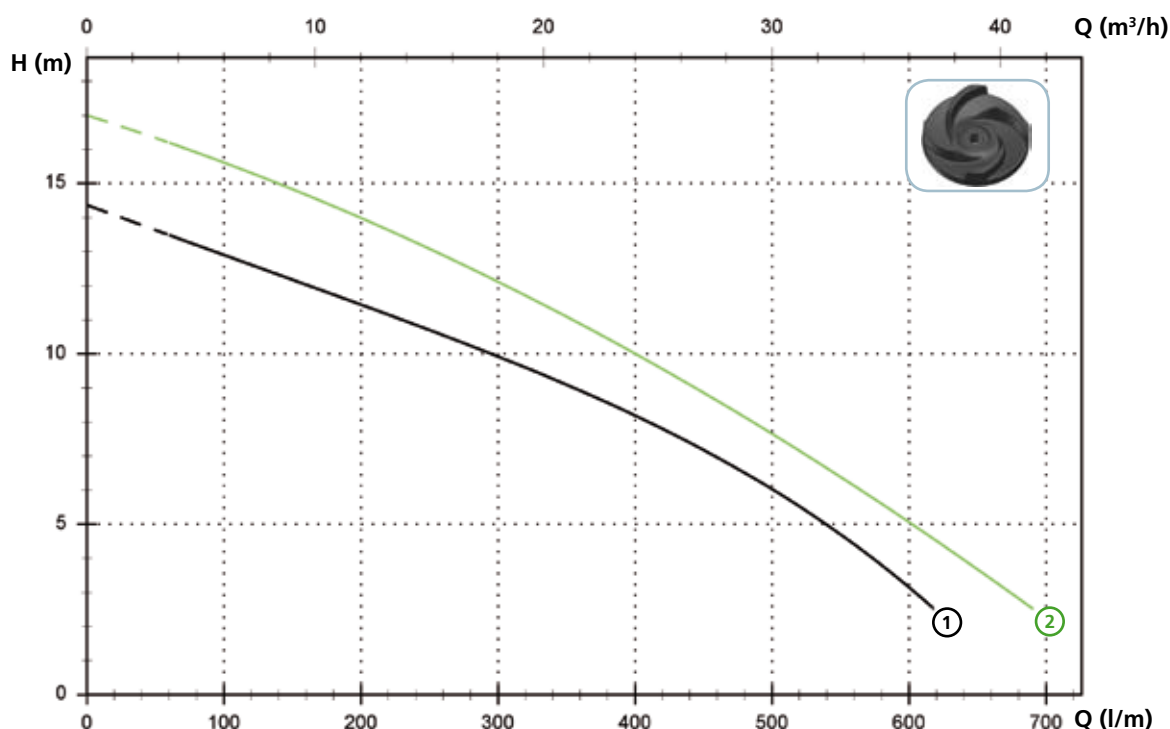
Attention: Standard EN 60335-2-41 requires the use of a 10 m cable length in outdoor applications

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Models with vertical GAS 2" threaded delivery port - 2 poles motor

Performances

	<i>l/s</i>	0	2	4	6	8	10
	<i>l/min</i>	0	120	240	360	480	600
	<i>m³/h</i>	0	7.2	14.4	21.6	28.8	36.0
①	DR BluePRO 150/2/G50V A1CM(T)/50	14.4	12.6	10.9	8.9	6.5	3.1
②	DR BluePRO 200/2/G50V A1CM(T)/50	17.0	15.3	13.3	10.9	8.1	5.1



Technical data

		V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
①	DR BluePRO 150/2/G50V A1CM/50	230	1	-	1.1	7.5	2900	Dir	G 2"	A	10x30 mm
②	DR BluePRO 200/2/G50V A1CM/50	230	1	-	1.5	10	2900	Dir	G 2"	A	10x30 mm

		V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
①	DR BluePRO 150/2/G50V A1CT/50	400	3	-	1.1	3.2	2900	Dir	G 2"	B	10x30 mm
②	DR BluePRO 200/2/G50V A1CT/50	400	3	-	1.5	4.3	2900	Dir	G 2"	B	10x30 mm

(*) A = H07RN-F 3G1 - 5 m cable length with schuko plug. Optional 10 m cable length with schuko plug.
 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

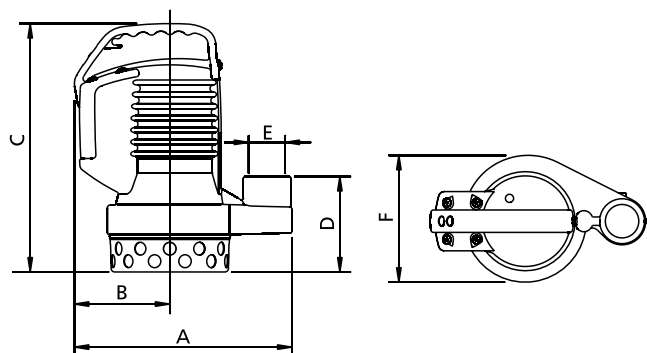
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Versions available

(Key to versions on page 16)

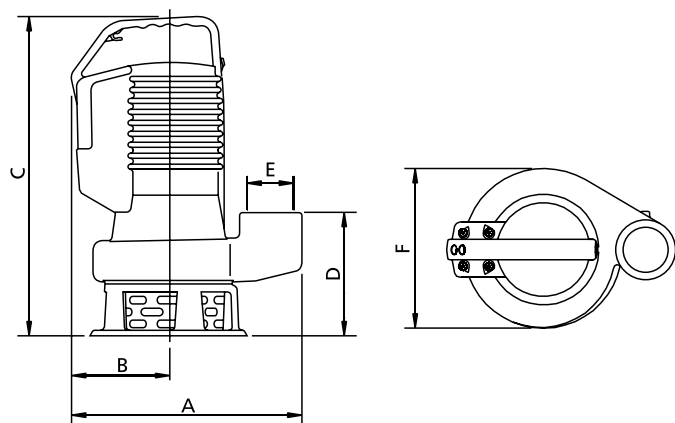
	Electrical variants												Cooling				Mechanical seals			
	N A E	T	T C	T C D	T C D T	T C D G T	T C G	T C S T	T C S G T	T S	T R	T R G	N	CC CCE	FT	C G F T	2SIC	SICM	SICAL	2SICAL
DR BluePRO 50/2/G32V A1BM/50			●				●						●				●			
DR BluePRO 75/2/G32V A1BM/50			●				●						●				●			
DR BluePRO 100/2/G32V A1BM/50			●				●						●				●			
DR BluePRO 150/2/G50V A1CM/50			●				●						●				●			
DR BluePRO 200/2/G50V A1CM/50			●				●						●				●			
DR BluePRO 50/2/G32V A1BT/50	●											●	●				●			
DR BluePRO 75/2/G32V A1BT/50	●											●	●				●			
DR BluePRO 100/2/G32V A1BT/50	●											●	●				●			
DR BluePRO 150/2/G50V A1CT/50	●											●	●				●			
DR BluePRO 200/2/G50V A1CT/50	●											●	●				●			

Overall dimensions and weights



	A	B	C	D	E	F	kg
DR BluePRO 50/2/G32V A1BM(T)/50	255	115	295	110	G 1 1/4"	150	12
DR BluePRO 75/2/G32V A1BM(T)/50	255	115	295	110	G 1 1/4"	150	13.5
DR BluePRO 100/2/G32V A1BM(T)/50	255	115	295	110	G 1 1/4"	150	14

Measurements in mm



	A	B	C	D	E	F	kg
DR BluePRO 150/2/G50V A1CM(T)/50	295	125	420	170	G 2"	200	23
DR BluePRO 200/2/G50V A1CM(T)/50	295	125	420	170	G 2"	200	24

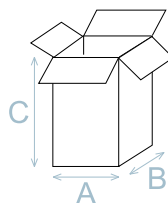
Measurements in mm

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Packaging dimension

	A	B	C
DR BluePRO 50/2/G32V A1BM(T)/50	240	200	350
DR BluePRO 75/2/G32V A1BM(T)/50	240	200	350
DR BluePRO 100/2/G32V A1BM(T)/50	240	200	350
DR BluePRO 150/2/G50V A1CM(T)/50	300	250	480
DR BluePRO 200/2/G50V A1CM(T)/50	300	250	480

Dimension in mm

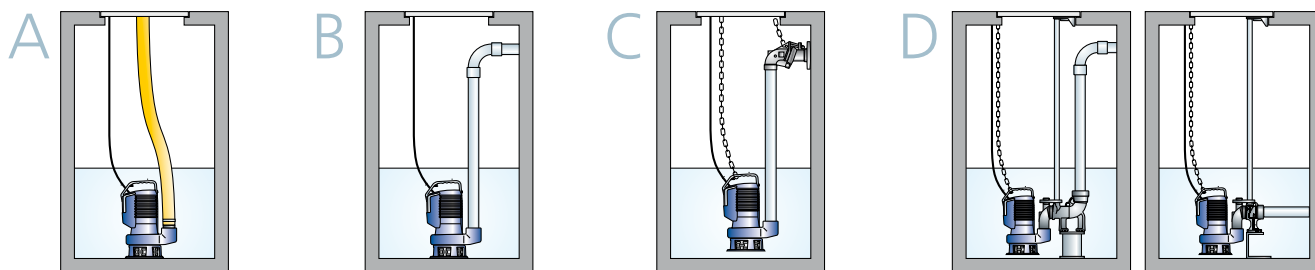


No. pieces per pallet

For DR BluePRO 50-75-100 models each pallet (EUR 1000X1200 mm) is able to take 75 pieces.

For DR BluePRO 150-200 models each pallet (EUR 1000X1200 mm) is able to take 32 pieces.

Installations available



For C and D installations of the models DR BluePRO 50-75-100 the joint for reduction is necessary (not included)