

# DR Blue



Multi-channel open impeller

DESIGN BY

*pininfarina*

All product images are indicative only

## General characteristics

multi-channel open impeller	
motor power	0,3 ÷ 0,74 kW
poles	2
discharge	GAS 1 1/4" vertical
free passage	7 mm
max flow rate	5.3 l/s
max head	14.2 m

## Electromechanical assembly

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

## Applications

The ideal solution for use with clear or slightly soiled wastewaters containing small solids, strained water, rainwater, seepage and water pumped from underground. Suitable and reliable for domestic use, including heavy-duty applications.

## Construction materials

Case	Cast iron EN-GJL 250
Impeller	Technopolymer
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	One silicon carbide mechanical seal (SiC) and one alumina graphite mechanical seal (AL), V-ring

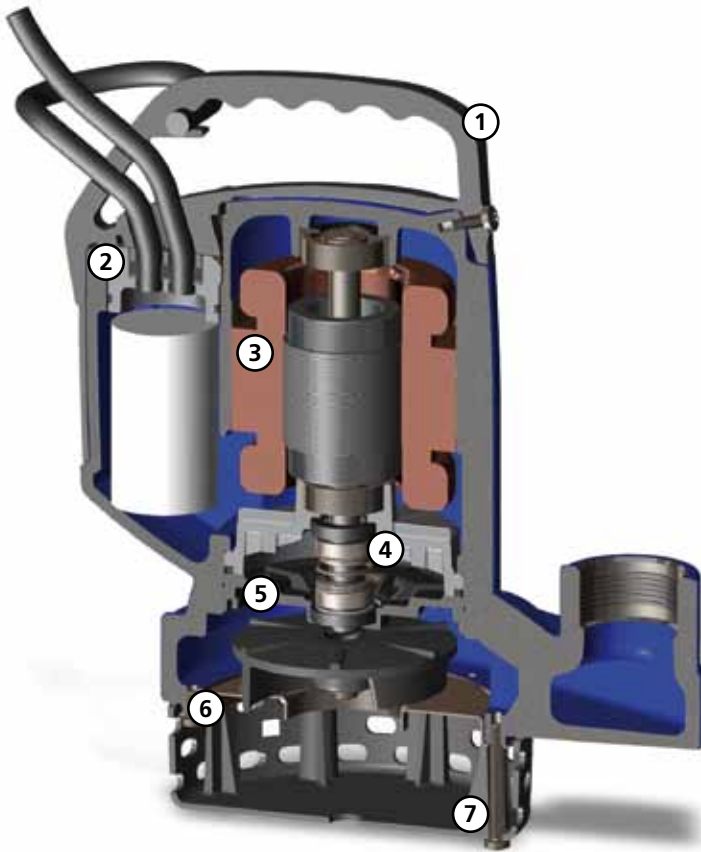
## Operating limits

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

# DR Blue



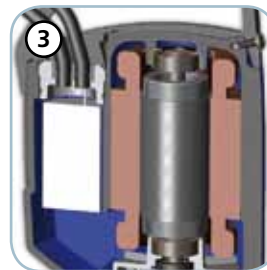
### Lifting handle

Ergonomic technopolymer lifting and carrying handle. Clip floatswitch adjustment.



### Cable gland System

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



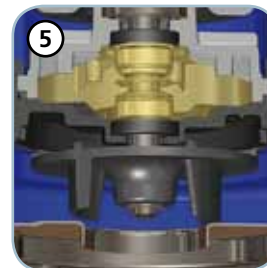
### Motor and electrical accessories

Dry motor with thermal protections. Internal startup capacitor.



### Mechanical seals

One silicon carbide mechanical seal (SiC) and one alumina-graphite mechanical seal (AL), 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



### Anti-clogging System

The diffuser plate incorporates the Anti Clogging System (ACS), consisting of grooves in the plate to facilitate the ejection of solids.



### Intake strainer

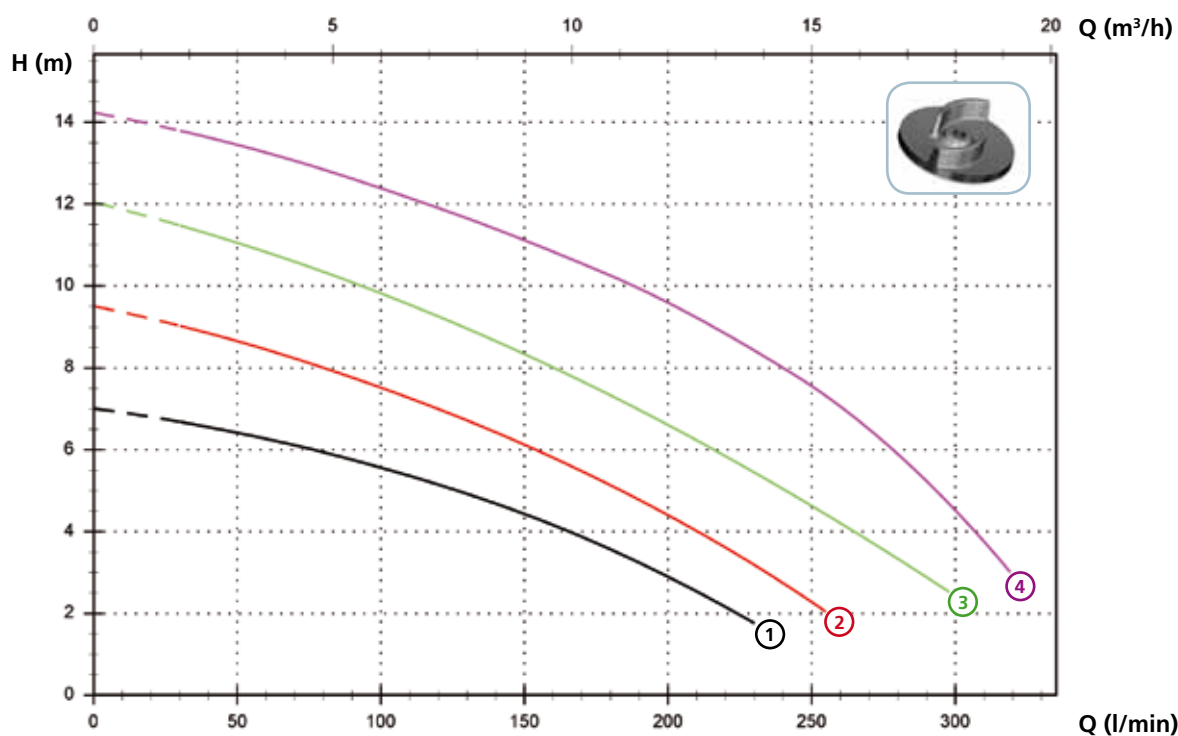
Intake strainer in impact-resistant polypropylene

# DR Blue

## Models with vertical GAS 1 1/4" threaded discharge - 2 poles motor

### Performances

	l/s	0	1	2	3	4	5
	l/min	0	60	120	180	240	300
	m <sup>3</sup> /h	0	3.6	7.2	10.8	14.4	18.0
①	DR Blue 40/2/G32V A1BM/50	7.0	6.3	5.1	3.6		
②	DR Blue 50/2/G32V A1BM/50	9.5	8.4	7.0	5.1	2.7	
③	DR Blue 75/2/G32V A1BM/50	12.0	10.8	9.3	7.3	5.0	
④	DR Blue 100/2/G32V A1BM/50	14.2	13.3	11.9	10.3	8.0	4.5



### Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage	
①	DR Blue 40/2/G32V A1BM/50	230	1	-	0.3	2.3	2900	G 1 1/4"	A	7 mm
②	DR Blue 50/2/G32V A1BM/50	230	1	-	0.37	2.8	2900	G 1 1/4"	A	7 mm
③	DR Blue 75/2/G32V A1BM/50	230	1	-	0.55	4.1	2900	G 1 1/4"	A	7 mm
④	DR Blue 100/2/G32V A1BM/50	230	1	-	0.74	5.6	2900	G 1 1/4"	A	7 mm

(\*) A = H07RN-F 3G1 - 5 m cable length with schuko plug. Optional 10 m cable length with schuko plug.  
 Attention: Standard EN 60335-2-41 requires the use of a 10 m cable length in outdoor applications

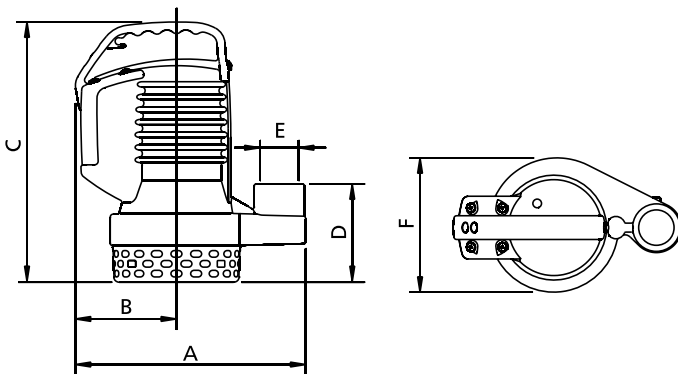
# DR Blue

## Versions available

(Key to versions on page 16)

	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
DR Blue 40/2/G32V A1BM/50		●				●					●							●	
DR Blue 50/2/G32V A1BM/50		●				●					●							●	
DR Blue 75/2/G32V A1BM/50		●				●					●							●	
DR Blue 100/2/G32V A1BM/50		●				●					●							●	

## Overall dimensions and weights



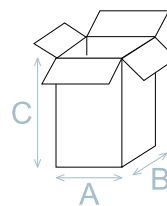
	A	B	C	D	E	F	kg
DR Blue 40/2/G32V A1BM/50	255	115	295	110	G 1 1/4"	150	11.5
DR Blue 50/2/G32V A1BM/50	255	115	295	110	G 1 1/4"	150	12
DR Blue 75/2/G32V A1BM/50	255	115	295	110	G 1 1/4"	150	13.5
DR Blue 100/2/G32V A1BM/50	255	115	295	110	G 1 1/4"	150	15.5

Dimensions in mm

All weights and dimensions are indicative only

## Packaging dimension

	A	B	C
DR Blue 40/2/G32V A1BM/50	240	200	350
DR Blue 50/2/G32V A1BM/50	240	200	350
DR Blue 75/2/G32V A1BM/50	240	200	350
DR Blue 100/2/G32V A1BM/50	240	200	350



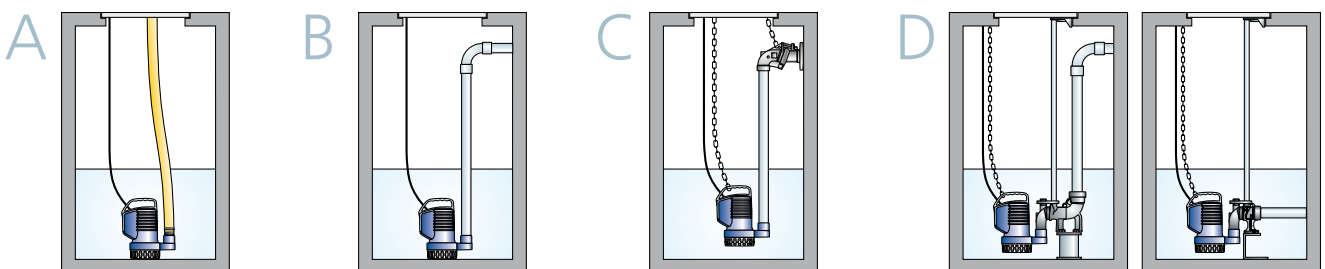
Dimension in mm

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## No. pieces per pallet

For DR Blue models each pallet (EUR 1000X1200 mm) is able to take 75 pieces.

## Installations available



For C and D installations the joint for reduction is necessary (not included)