

# DRB

## Special alloy pumps

All product images are indicative only



### General characteristics

Special alloy pumps	
motor power	0,37 ÷ 1,5 kW
poles	2
discharge	GAS 1¼" - 2" vertical
free passage	max 15 mm
max flow rate	12.5 l/s
max head	18 m

### Electromechanical assembly

Electromechanical assembly in B10 bronze, for submerged operation. Seal set comprising 2 (two) silicon carbide mechanical seals assembled opposing and with oil lubrication. Oil bath motor.

### Applications

Suitable for treating chemically aggressive strained liquids, dyes and seawater. Can be used for applications in the tanning industry and the shipping sector.

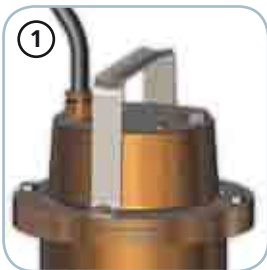
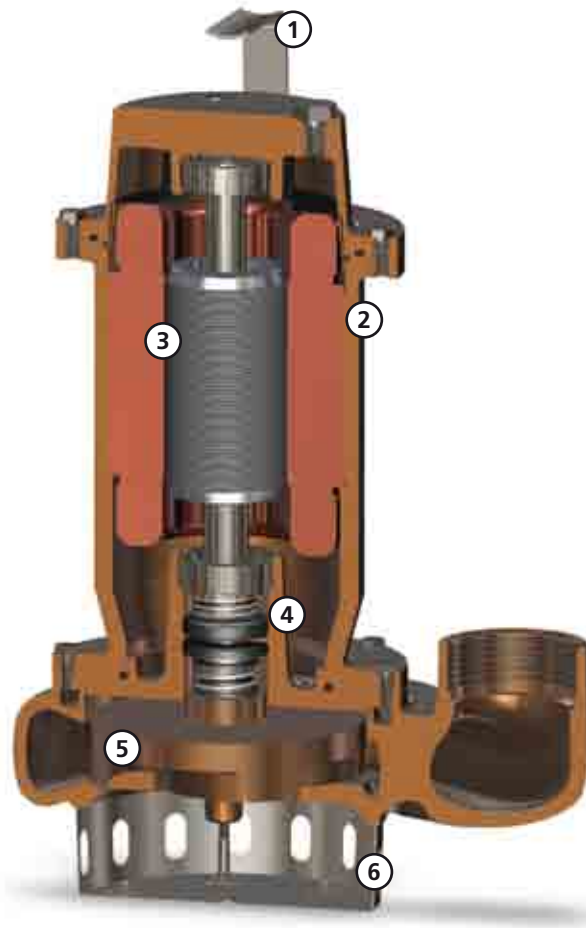
### Construction materials

Case	Bronze B10
Impeller	Bronze B10
Nuts and bolts	Stainless steel - Class A4
Standard gasket	Rubber - VITON
Shaft	Stainless steel - AISI 316
Set of standard mechanical seals	Two silicon carbide mechanical seals (2SiC)

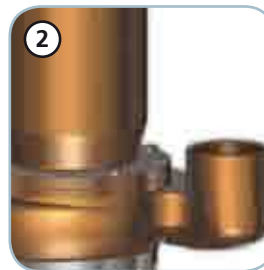
### Operating limits

Maximum operating temperature	40 °C
PH of treated fluid	5 ÷ 11
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

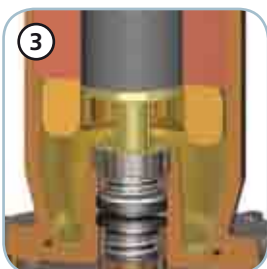
# DRB



**Handle**  
AISI 304 stainless steel lifting and carrying handle.



**Structure**  
B10 bronze construction which makes the pump suitable for use with chemically aggressive liquids.



**Motor**  
Oil-bath motor with thermal protections.



**Mechanical seals**  
Two mechanical seals in silicon carbide (2SiC).



**Impeller**  
Multichannel open impeller in B10 bronze.



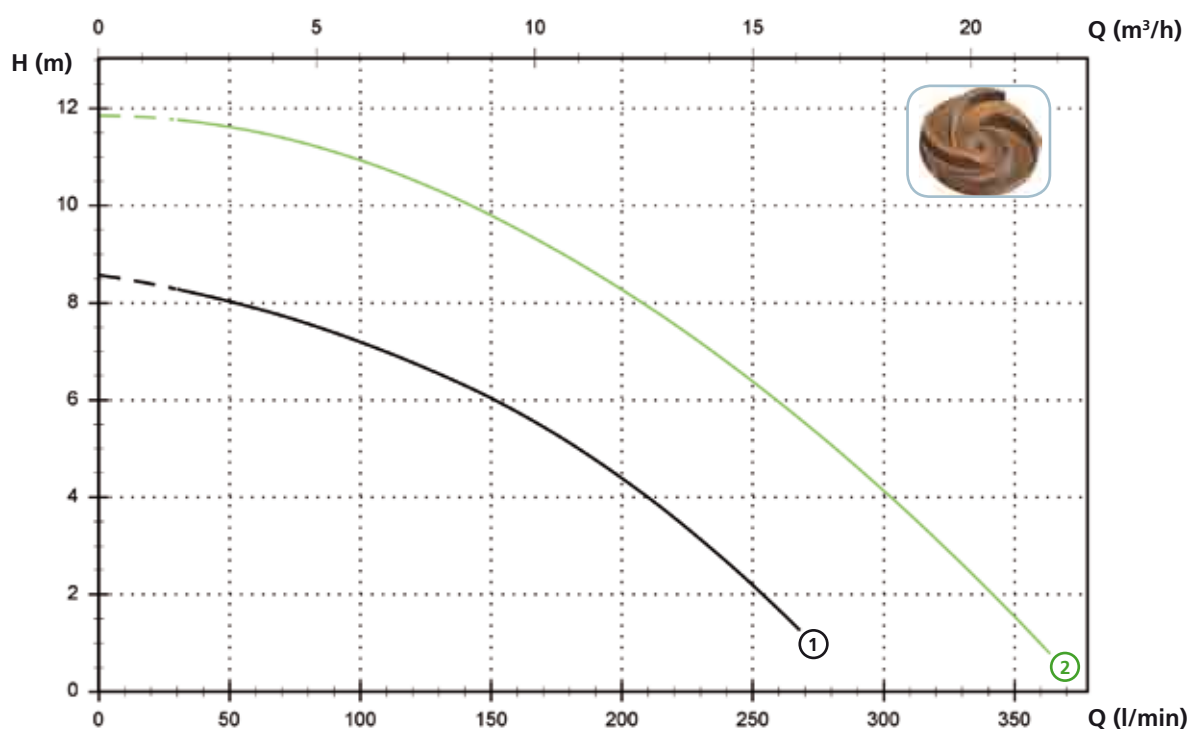
**Intake strainer**  
Intake strainer in stainless steel.

# DRB

## Models with vertical GAS 1¼" threaded discharge - 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 DRB 50/2/G32V A0CM(T)/50		8.6	7.9	6.8	5.1	2.7		
② DRB 75/2/G32V A0CM(T)/50		11.9	11.5	10.5	8.9	6.8	4.1	1.0



### Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① DRB 50/2/G32V A0CM/50	230	1	-	0.37	2.9	2900	Dir	G 1¼"	15 mm
② DRB 75/2/G32V A0CM/50	230	1	-	0.55	3.9	2900	Dir	G 1¼"	15 mm

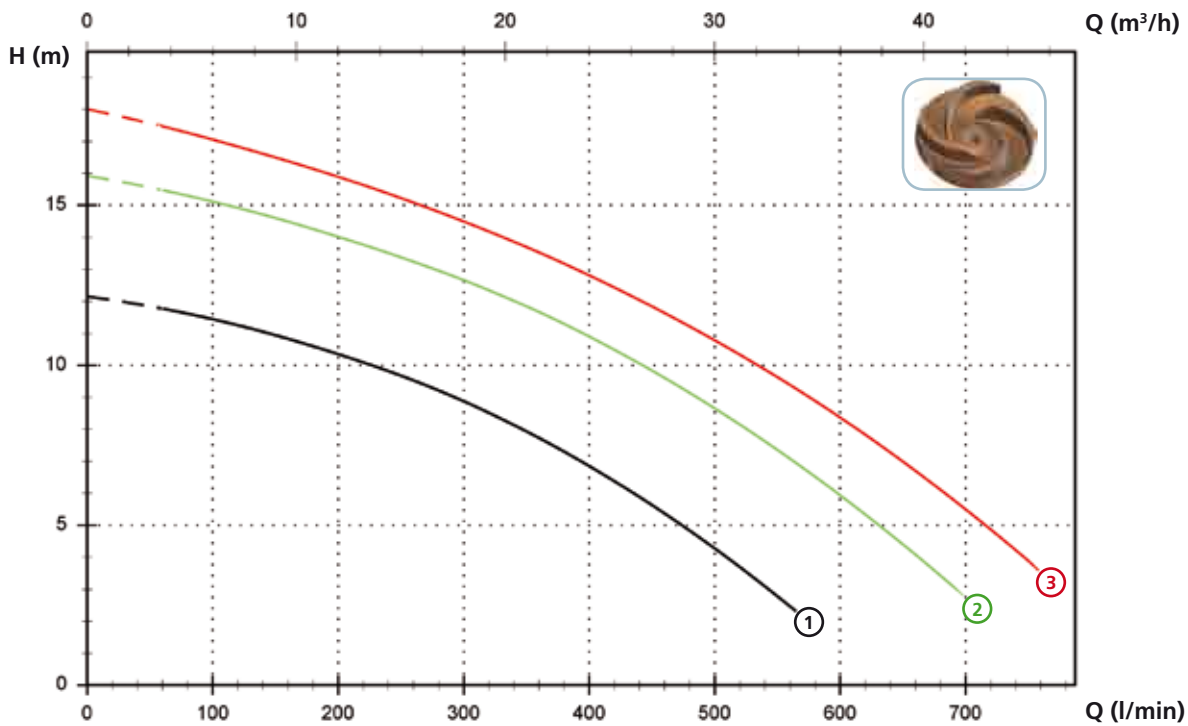
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① DRB 50/2/G32V A0CT/50	400	3	-	0.37	1.1	2900	Dir	G 1¼"	15 mm
② DRB 75/2/G32V A0CT/50	400	3	-	0.55	1.4	2900	Dir	G 1¼"	15 mm

**Models with vertical GAS 2" threaded discharge - 2 poles**

**Performances**

<i>l/s</i>	0	2	4	6	8	10	12
<i>l/min</i>	0	120	240	360	480	600	720
<i>m³/h</i>	0	7.2	14.4	21.6	28.8	36.0	43.2

① DRB 100/2/G50V A0CM(T)/50	12.2	11.3	9.8	7.7	4.8		
② DRB 150/2/G50V A0CM(T)/50	15.9	14.9	13.5	11.7	9.1	5.9	
③ DRB 200/2/G50V A0CM(T)/50	18.0	16.8	15.4	13.5	11.2	8.4	4.9



**Technical data**

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① DRB 100/2/G50V A0CM/50	230	1	-	0.88	6.5	2900	Dir	G 2"	15 mm
② DRB 150/2/G50V A0CM/50	230	1	-	1.1	8.2	2900	Dir	G 2"	15 mm
③ DRB 200/2/G50V A0CM/50	230	1	-	1.5	9.3	2900	Dir	G 2"	15 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① DRB 100/2/G50V A0CT/50	400	3	-	0.88	2.3	2900	Dir	G 2"	15 mm
② DRB 150/2/G50V A0CT/50	400	3	-	1.1	2.7	2900	Dir	G 2"	15 mm
③ DRB 200/2/G50V A0CT/50	400	3	-	1.5	3.5	2900	Dir	G 2"	15 mm

# DRB

## 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
DRB 50/2/G32V A0CM/50		●						●	●			●				●				
DRB 75/2/G32V A0CM/50		●						●	●			●				●				
DRB 100/2/G50V A0CM/50		●						●	●			●				●				
DRB 150/2/G50V A0CM/50		●						●	●			●				●				
DRB 200/2/G50V A0CM/50		●						●	●			●				●				
DRB 50/2/G32V A0CT/50	●											●				●				
DRB 75/2/G32V A0CT/50	●											●				●				
DRB 100/2/G50V A0CT/50	●											●				●				
DRB 150/2/G50V A0CT/50	●											●				●				
DRB 200/2/G50V A0CT/50	●											●				●				

## Overall dimensions and weights

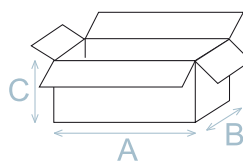
	A	B	C	D	E	F	kg
DRB 50/2/G32V A0CM(T)/50	210	75	340	110	G 1¼"	160	17
DRB 75/2/G32V A0CM (T)/50	210	75	340	110	G 1¼"	160	17
DRB 100/2/G50V A0CM (T)/50	265	100	390	125	G 2"	190	21
DRB 150/2/G50V A0CM (T)/50	265	100	390	125	G 2"	190	23
DRB 200/2/G50V A0CM (T)/50	265	100	390	125	G 2"	190	23

Dimensions in mm

All weights and dimensions are indicative only

## Packaging dimension

	A	B	C
DRB 50/2/G32V A0CM(T)/50	385	225	245
DRB 75/2/G32V A0CM(T)/50	385	225	245
DRB 100/2/G50V A0CM(T)/50	475	285	235
DRB 150/2/G50V A0CM(T)/50	475	285	235
DRB 200/2/G50V A0CM(T)/50	475	285	235



Dimension in mm

All weights and dimensions are indicative only

## Installations available

