

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.

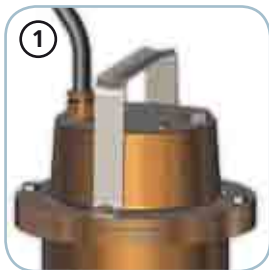
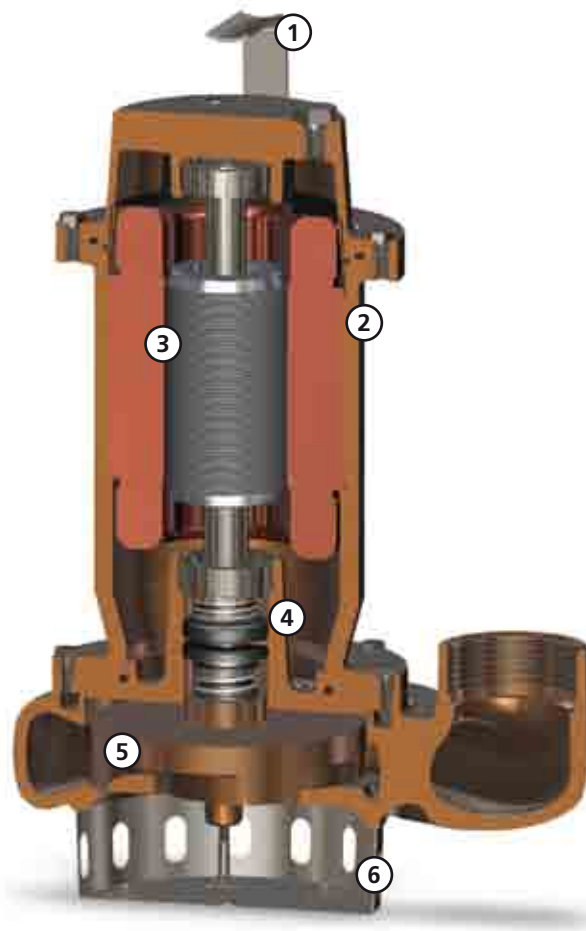
Construction materials

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)

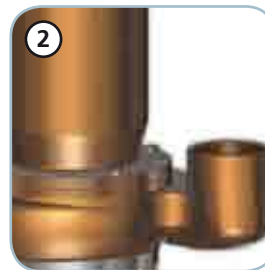
Operating limits

Maximum operating temperature	40 °C
PH of treated fluid	5 ÷ 11
Viscosity of treated fluid	1 mm ² /s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm ³
Maximum acoustic pressure	70 dB
max starts per hour	30

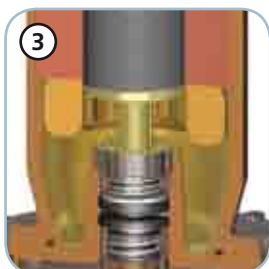
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Handle
AISI 316 stainless steel lifting and carrying handle.



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



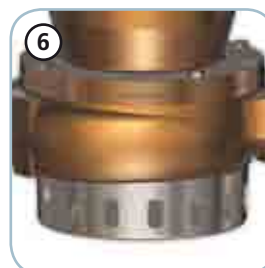
Motor
Oil-bath motor with thermal protections.



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



Impeller
Multichannel open impeller in B10 bronze.



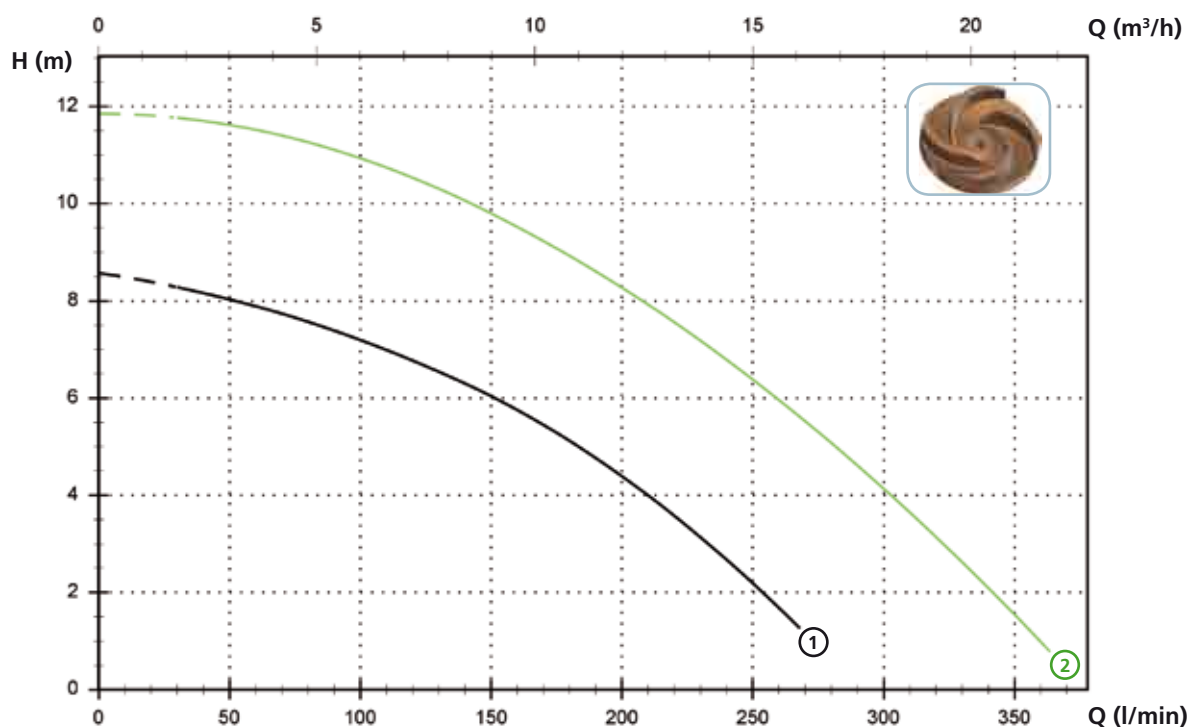
Intake strainer
Intake strainer in stainless steel.

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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 ³ /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

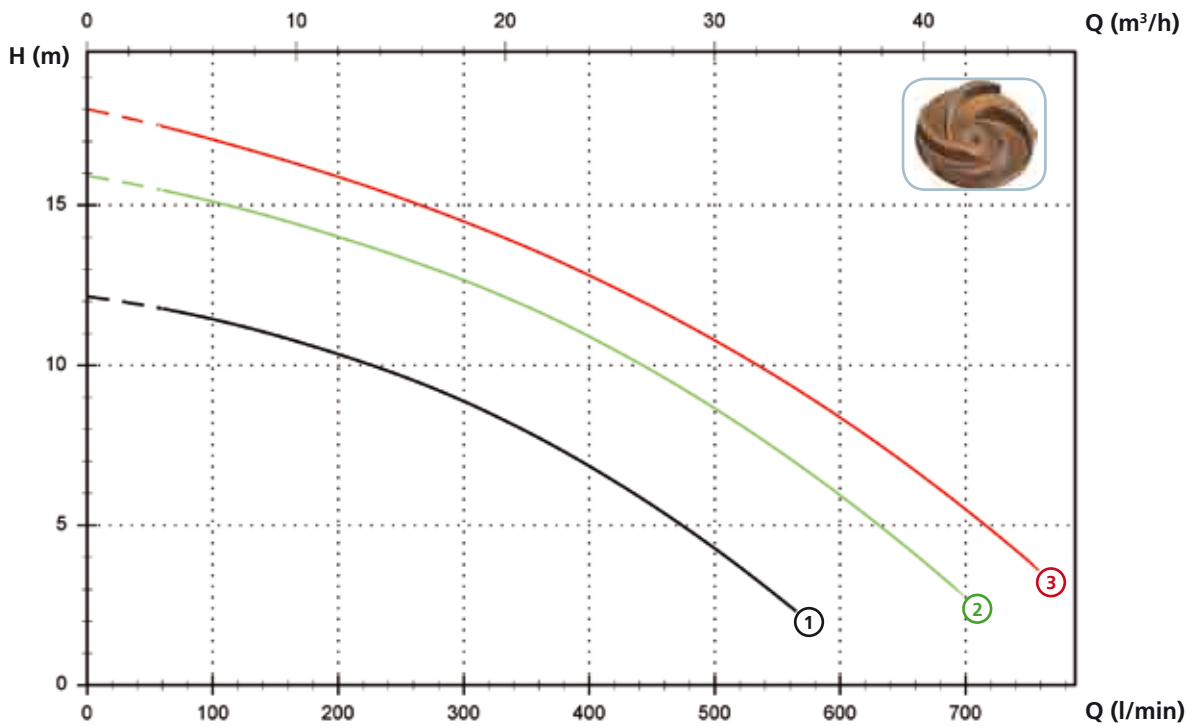
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Free passage
① DRB 50/2/G32V A0CT/50	400	3	-	0.37	1.1	2900	Dir	G 1¼"	15 mm
② DRB 75/2/G32V A0CT/50	400	3	-	0.55	1.4	2900	Dir	G 1¼"	15 mm

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

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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
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

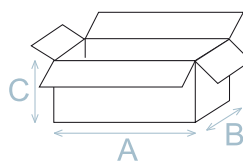
	A	B	C	D	E	F	kg
DRB 50/2/G32V A0CM(T)/50	210	75	340	110	G 1¼"	160	17
DRB 75/2/G32V A0CM (T)/50	210	75	340	110	G 1¼"	160	17
DRB 100/2/G50V A0CM (T)/50	265	100	390	125	G 2"	190	21
DRB 150/2/G50V A0CM (T)/50	265	100	390	125	G 2"	190	23
DRB 200/2/G50V A0CM (T)/50	265	100	390	125	G 2"	190	23

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

