DRX

Special alloy pumps

General characteristics

Special alloy pump	
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	12.5 l/s
max head	17.8 m

Electromechanical assembly

Electromechanical assembly in CF-8M (AISI 316) stainless steel, for submerged operation. Seal set comprising 2 (two) silicon carbide mechanical seals assembled opposing and with oil lubrication. Oil bath motor.

Applications

Designed for the treatment of strongly corrosive or chemically aggressive liquids, especially in the chemical industry, this unit is for a specific industrial application.

Construction materials

Case	Cast stainless steel - CF-8M (AISI 316)
Impeller	Stainless steel
Nuts and bolts	Stainless steel - Class A4-70
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 ÷ 10
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	20

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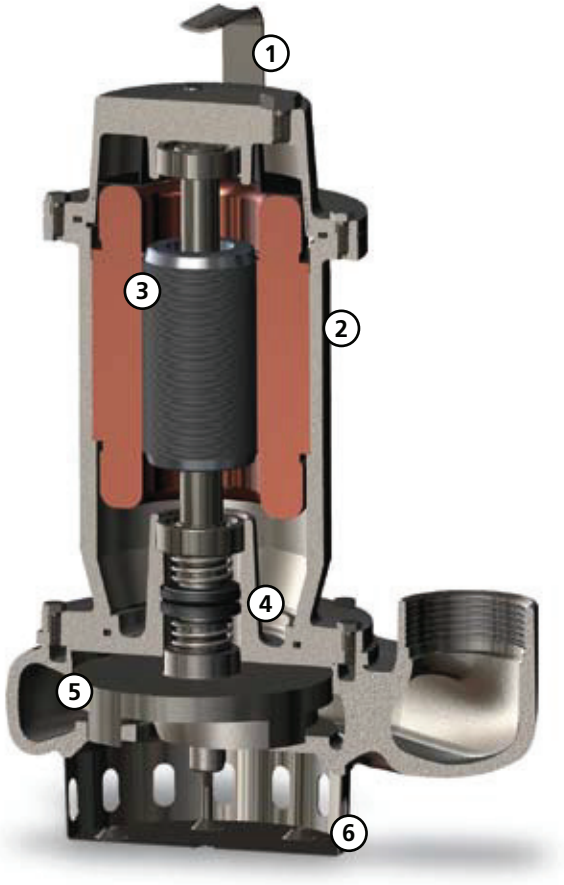
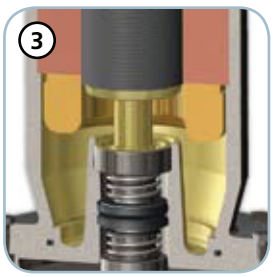


Handle and cable gland

AISI 316 stainless steel lifting and carrying handle. A rigid or flexible duct can be fixed to the cable gland to protect the power supply cable

Structure

CF-8M (AISI 316)steel construction which makes the pump suitable for use in saline environments

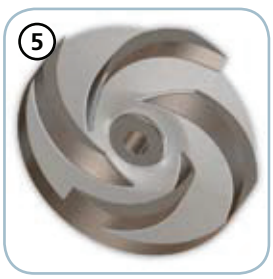


Motor

Oil-bath motor with thermal protections

Mechanical seals

Two mechanical seals in silicon carbide (2SiC)



Impeller

Multichannel open impeller in CF-8M steel

Intake strainer

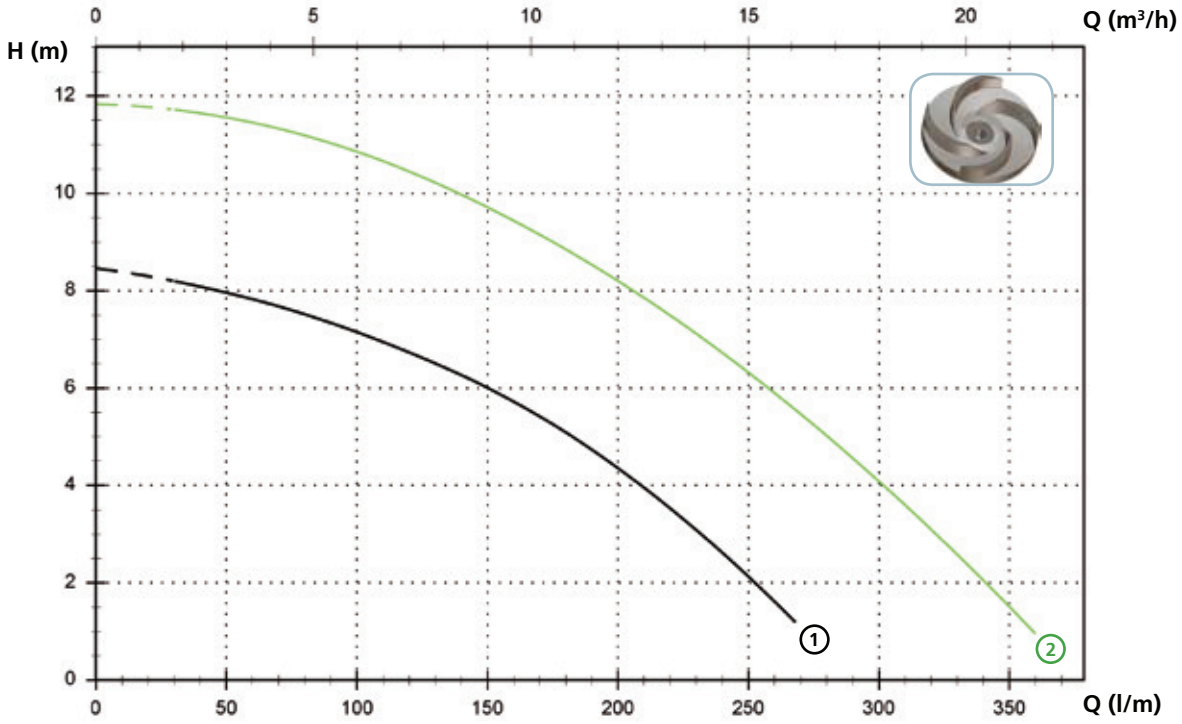
Intake strainer in stainless steel

DRX

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

Performances

	l/s	0	1	2	3	4	5	6
	l/min	0	60	120	180	240	300	360
	m³/h	0	3.6	7.2	10.8	14.4	18.0	21.6
(1) DRX 50/2/G32V A0CM/50		*8.5*	7.8	6.7	5.1	2.6		
(2) DRX 75/2/G32V A0CM/50		*11.8*	11.5	10.5	8.9	6.7	4.1	1.0



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
(1) DRX 50/2/G32V A0CM/50	230	1	-	0.37	2.9	2900	Dir	G 1 1/4"	A	15 mm
(2) DRX 75/2/G32V A0CM/50	230	1	-	0.55	3.9	2900	Dir	G 1 1/4"	A	15 mm

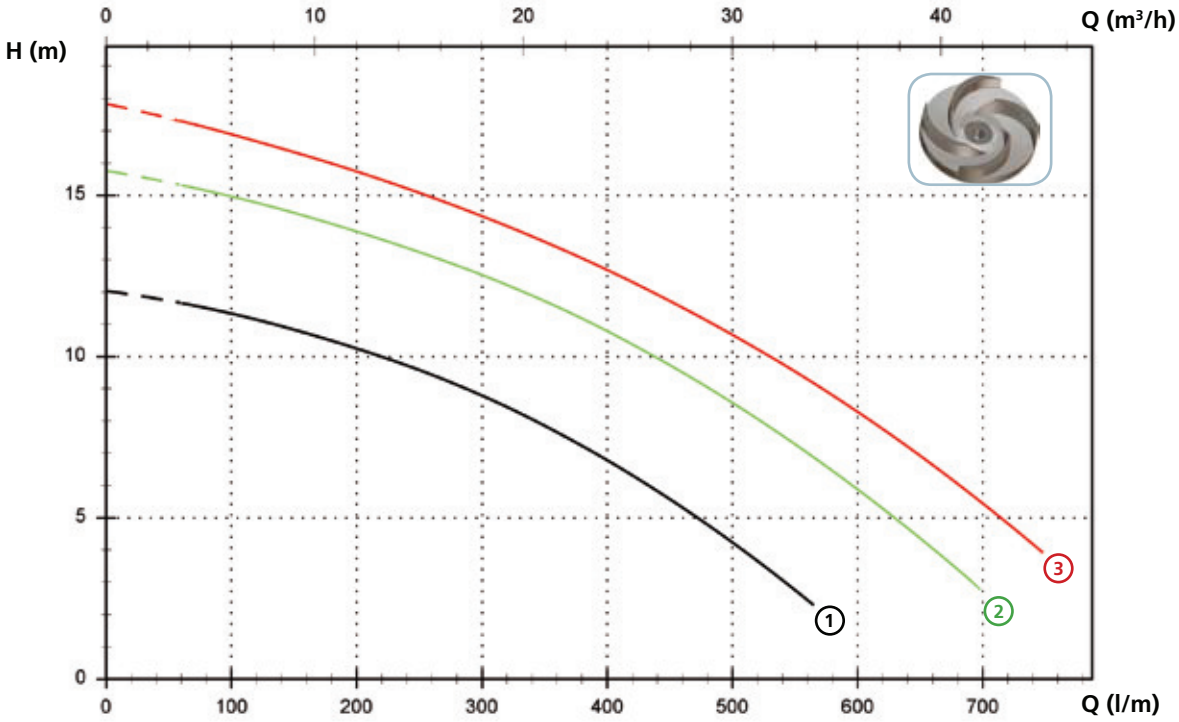
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
(1) DRX 50/2/G32V A0CT/50	400	3	-	0.37	1.1	2900	Dir	G 1 1/4"	A	15 mm
(2) DRX 75/2/G32V A0CT/50	400	3	-	0.55	1.4	2900	Dir	G 1 1/4"	A	15 mm

(*) A = H07RN-F 4G1 - 10 m

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

Performances

	l/s	0	2	4	6	8	10	12
	l/min	0	120	240	360	480	600	720
	m³/h	0	7.2	14.4	21.6	28.8	36.0	43.2
1 DRX 100/2/G50V A0CM/50		12.0	11.1	9.7	7.6	4.8		
2 DRX 150/2/G50V A0CM/50		15.8	14.8	13.4	11.5	9.0	5.9	
3 DRX 200/2/G50V A0CM/50		17.8	16.7	15.2	13.4	11.1	8.3	4.8



Technical data

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

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Ø	Cable (*)	Free passage
1 DRX 100/2/G50V A0CT/50	400	3	-	0.88	2.3	2900	Dir	G 2"	A	15 mm
2 DRX 150/2/G50V A0CT/50	400	3	-	1.1	2.7	2900	Dir	G 2"	A	15 mm
3 DRX 200/2/G50V A0CT/50	400	3	-	1.5	3.6	2900	Dir	G 2"	A	15 mm

(*) A = H07RN-F 4G1 - 10 m

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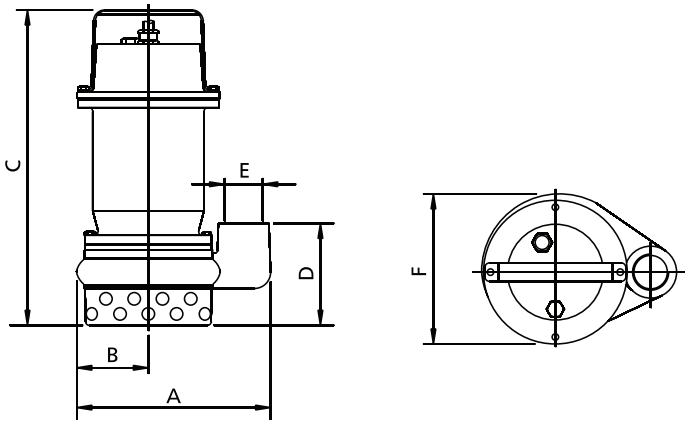
Versions available

(Key to versions on page 16)

	Electrical variants												Cooling				Mechanical seals			
	NAE	T	TC	TCD	TCDT	TCDGT	TCG	TCST	TCSGT	TS	TR	TRG	N	CC CCE	FT	CGFT	2SIC	SICM	SICAL	2SICAL
DRX 50/2/G32V A0CM/50		●						●	●				●				●			
DRX 75/2/G32V A0CM/50		●						●	●				●				●			
DRX 100/2/G50V A0CM/50		●						●	●				●				●			
DRX 150/2/G50V A0CM/50		●						●	●				●				●			
DRX 200/2/G50V A0CM/50		●						●	●				●				●			
DRX 50/2/G32V A0CT/50	●												●				●			
DRX 75/2/G32V A0CT/50	●												●				●			
DRX 100/2/G50V A0CT/50	●												●				●			
DRX 150/2/G50V A0CT/50	●												●				●			
DRX 200/2/G50V A0CT/50	●												●				●			

Overall dimensions and weights



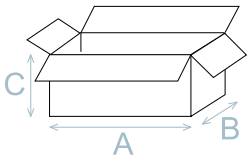
	A	B	C	D	E	F	kg
DRX 50/2/G32V A0CM(T)/50	210	75	340	110	G 1 1/4"	160	17
DRX 75/2/G32V A0CM(T)/50	210	75	340	110	G 1 1/4"	160	17
DRX 100/2/G50V A0CM(T)/50	265	100	390	125	G 2"	190	21
DRX 150/2/G50V A0CM(T)/50	265	100	390	125	G 2"	190	23
DRX 200/2/G50V A0CM(T)/50	265	100	390	125	G 2"	190	23

Measurements in mm

Packaging dimension

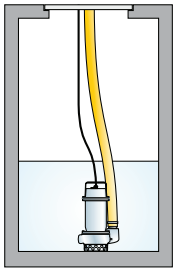
	A	B	C
DRX 50/2/G32V A0CM/50	385	225	245
DRX 75/2/G32V A0CM/50	385	225	245
DRX 100/2/G50V A0CM/50	475	285	235
DRX 150/2/G50V A0CM/50	475	285	235
DRX 200/2/G50V A0CM/50	475	285	235
DRX 50/2/G32V A0CT/50	385	225	245
DRX 75/2/G32V A0CT/50	385	225	245
DRX 100/2/G50V A0CT/50	475	285	235
DRX 150/2/G50V A0CT/50	475	285	235
DRX 200/2/G50V A0CT/50	475	285	235

Dimension in mm



Installations available

A



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