

DR-Steel

Stainless steel pumps for drainage

All product images are indicative only



General characteristics

multi-channel open impeller	
motor power	0,25 ÷ 0,75 kW
poles	2
discharge	GAS 1¼" - GAS 1½"
free passage	max 12 mm
max flow rate	335 l/min
max head	16.0 m

Electromechanical assembly

Electromechanical assembly in AISI 304 chrome-nickel steel, for submerged operation, fitted with 2 (two) opposing mechanical seals in silicon carbide and alumina graphite in oil sump with food-grade oil lubrication, and V-ring in direct contact with the liquid. Structure in chrome-nickel AISI 304 steel.

Applications

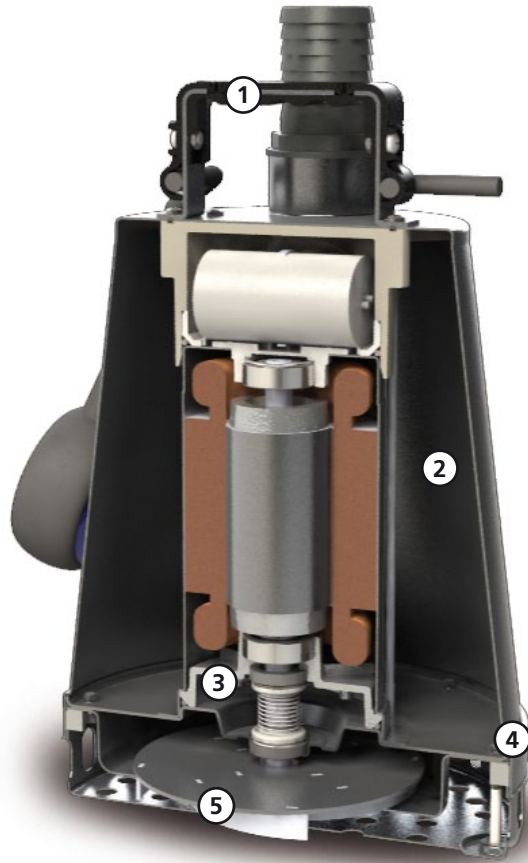
For clean water containing solids up to 12 mm. For draining rooms or emptying tanks. For water from ponds, streams or pits and for rainwater collection.

Construction materials

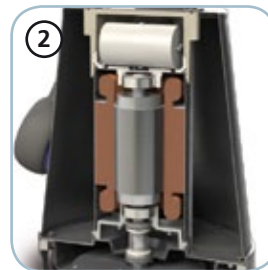
Case	Chrome-nickel steel AISI 304
Impeller	Chrome-nickel steel AISI 304
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Steel - AISI 420
Set of standard mechanical seals	Three mechanical seals; double seal (SiC-Al) in oil sump with food-grade oil lubrication, one V-ring in direct contact with the liquid

Operating limits

Maximum operating temperature	40°C (90°C max 3 min)
PH of treated fluid	6 - 14
Viscosity of treated fluid	1 mm ² /s
Maximum immersion depth	10 m
Density of treated fluid	1 Kg/dm ³
Maximum acoustic pressure	<70 dB
max starts per hour	30



1 **Lifting handle**
Chrome-nickel steel AISI 304.



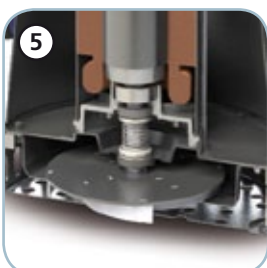
2 **Cooling system**
As for the internal ricycle pumped liquid system, the motor cooling is guaranteed even if the pump is partially covered by the liquid.



3 **Mechanical seal**
Three mechanical seals; double seal (SiC-Al) in oil sump with food-grade oil lubrication, one V-ring in direct contact with the liquid.



4 **Strainer**
A special set allows the sewage pump to be transformed into a dry floor one. The minimum level of liquid can be lowered to 5 mm from the ground by setting two special shimming.



5 **Impeller**
Chrome-nickel steel AISI 304.



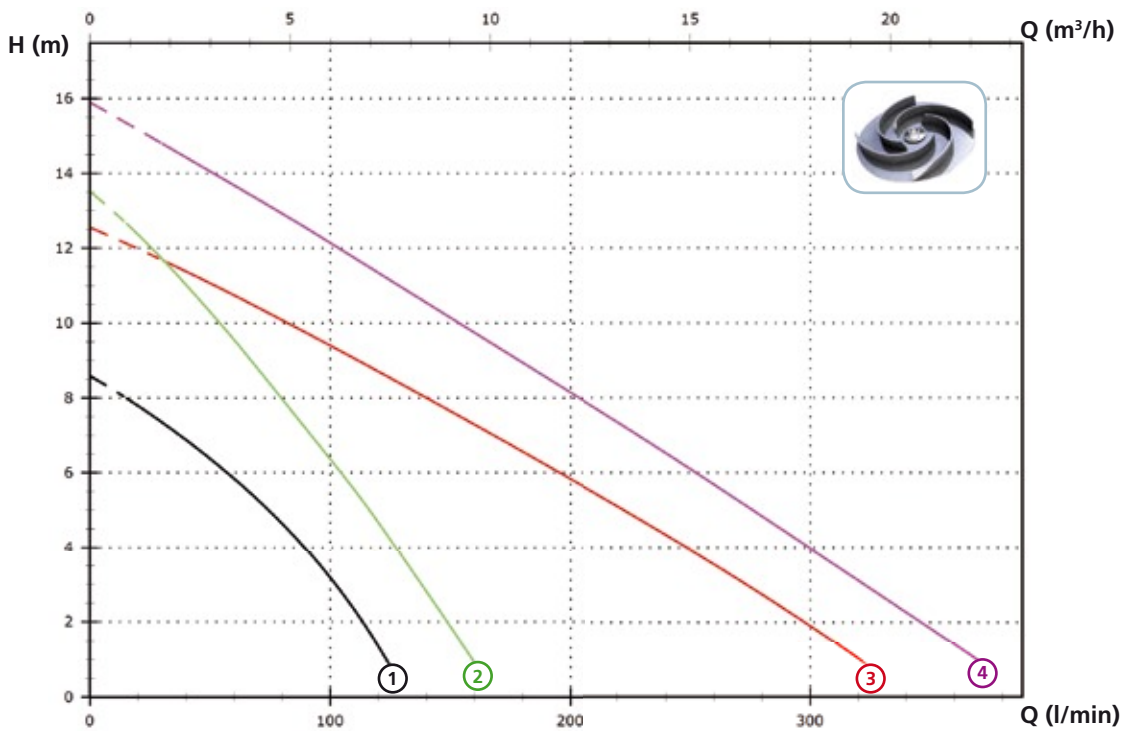
Optional
Vertically sliding level regulator, recommended for installation in small wells.

DR-Steel

Models with vertical GAS 1½"- 1¼" threaded discharge - 2 poles

Performances

	l/s	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
	l/min	0	30	60	90	120	150	180	210	240	270	300	330
	m³/h	0.0	1.8	3.6	5.4	7.2	9.0	10.8	12.7	14.5	16.3	18.1	19.9
① DR-Steel 25/2 M50		8.5	7.0	5.7	4.0	1.3							
② DR-Steel 37/2 M50		13.6	11.6	9.5	7.0	4.5	1.9						
③ DR-Steel 55/2 M50		12.4	11.3	10.4	9.2	8.4	7.2	6.3	5.0	4.0	3.0	1.8	
④ DR-Steel 75/2 M(T)50		16.0	15.0	13.4	12.4	11.2	10.0	8.8	7.6	6.5	5.2	3.8	2.5



Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
① DR-Steel 25/2 M50	230	1	-	0.25	2.3	2900	G 1¼"	A	10 mm
② DR-Steel 37/2 M50	230	1	-	0.37	3.1	2900	G 1¼"	A	10 mm
③ DR-Steel 55/2 M50	230	1	-	0.55	4.3	2900	G 1½"	A	12 mm
④ DR-Steel 75/2 M50	230	1	-	0.75	5.6	2900	G 1½"	A	12 mm

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Ø	Cable (*)	Free passage
④ DR-Steel 75/2 T50	400	3	-	0.75	2.4	2900	G 1½"	B	12 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

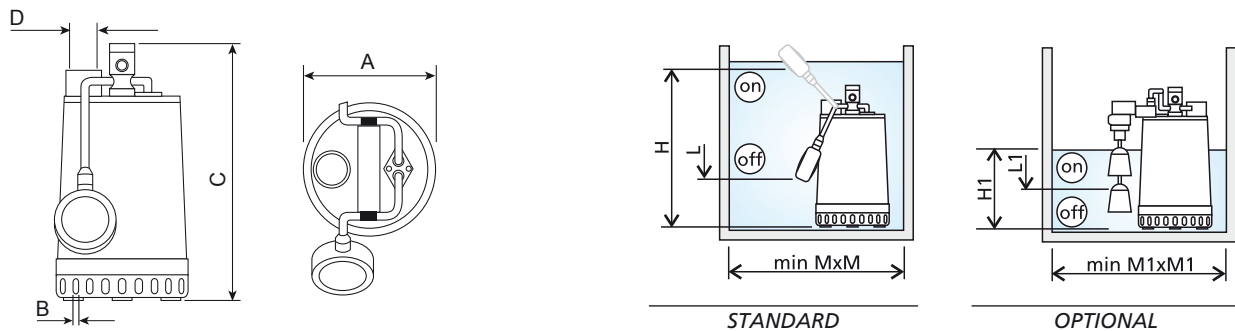


Versions available

(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 C W	T S	T R	T R G	N	CC CCE	FT	C G F T	2SIC	SICM	SICAL	2SICAL
DR-Steel 25/2 M50						●			●					●					●	
DR-Steel 37/2 M50						●			●					●					●	
DR-Steel 55/2 M50						●			●					●					●	
DR-Steel 75/2 M50						●			●	●				●					●	
DR-Steel 75/2 T50	●										●			●					●	

Overall dimensions and weights



	Ø A	B	C	D	H	L	M	H1	L1	M1	kg
DR-Steel 25/2 M50	170	10	300	G 1¼"	385	145	350	155	65	300	5.9
DR-Steel 37/2 M50	170	10	300	G 1¼"	385	145	350	155	65	300	6.3
DR-Steel 55/2 M50	215	12	335	G 1½"	420	180	400	190	100	350	7.7
DR-Steel 75/2 M(T)50	215	12	335	G 1½"	420	180	400	190	100	350	8.4

Dimensions in mm

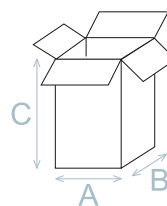
M - M1 Minimum dimensions - 500mm x 500mm Suggested dimensions
All weights and dimensions are indicative only

Packaging dimension

	A	B	C
DR-Steel 25-37 M50	200	200	350
DR-Steel 55-75 M50	240	250	400
DR-Steel 75/2 T50	240	250	400

Dimension in mm

All weights and dimensions are indicative only



No. pieces per pallet

For DR-Steel 25-37 models each pallet (EUR 1000X1200 mm) is able to take 90 pieces.

For DR-Steel 55-75 models each pallet (EUR 1000X1200 mm) is able to take 60 pieces.

Installations available

