

Features

Out power range	0,37 - 0,75 kW
Impeller	Vortex
Poles	2
Outlet	G 1½" - G 1½"
Max free passage	25 - 40 mm
Max head	10 mt
Max capacity	375 l/min

Running conditions

Max. operating temperature	40°C (90°C max 3 min)
Fluid pH	6 - 14
Fluid viscosity	1 mm²/s
Service	S1 submerged
Max. immersion depth	10 mt
Fluid density	1 kg/dm³
Max. acoustic pressure	< 70 dB
Max. start-ups/hour	30

Materials

Pump casing Pump body Strainer, Impeller	Chrome-nickel steel AISI 304
Handle	Polypropylene + 30% Glass Fibre
Shaft	AISI 420 Steel

Sealing Systems
Three seals:
- **double mechanical seal (SIC-AI)** in sealed chamber, cooled with foodgrade oil
- **one V-ring** in direct contact with the liquid

DG-Steel

SUBMERSIBLE STAINLESS STEEL PUMPS WITH VORTEX IMPELLER



1 Handle
Polypropylene + 30% Glass Fibre

2 Shaft
AISI 420 Steel

3 Cooling System

As for the **internal recycle pumped liquid system**, the motor cooling is guaranteed even if the pump is partially covered by the liquid, thanks to the thru flow design & top discharge.

4 Sealing Systems

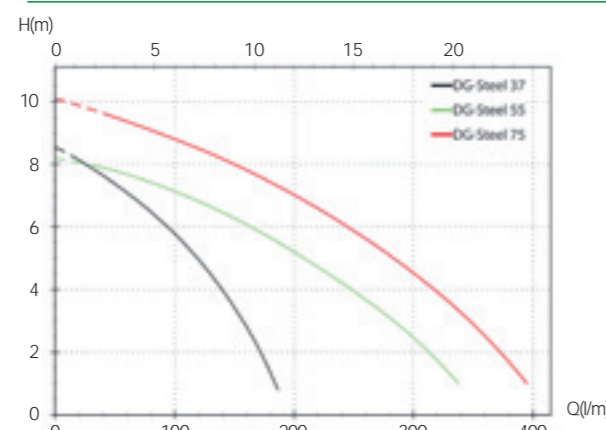
Three seals
- **double mechanical seal (SIC-AI)** in oil sump with food-grade oil lubrication
- **one V-ring** in direct contact with the liquid

5 Impeller
Chrome-nickel steel AISI 304

6 Strainer
Chrome-nickel steel AISI 304
Max free passage 25 - 40 mm

7 Pump body
Chrome-nickel steel AISI 304

Performances



Current (A)	P2 (kW)	Free Passage	Q																
			I/s	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0			
			l/min	0	30	60	90	120	150	180	210	240	270	300	330	360			
DG-Steel 37	3.1	-	0.37	25	8.7	7.6	7.1	6.1	5.0	3.4	1.3								
DG-Steel 55	4.3	-	0.55	40	8.1	7.8	7.5	7.0	6.6	6.2	5.7	4.8	4.1	3.2	2.3	1.3			
DG-Steel 75	5.6	2.4	0.75	40	10.0	9.5	9.2	8.6	8.2	7.8	7.5	6.7	6.0	5.2	4.1	3.2	2.1		

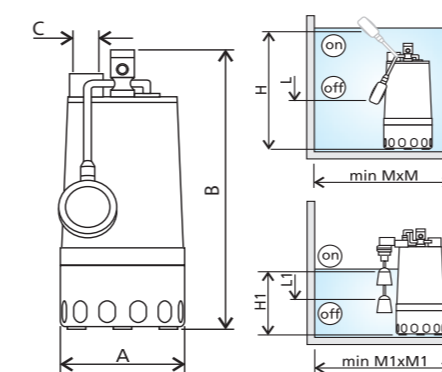
Applications

For clean or slightly dirty water, containing solids up to 40 mm grain size. For sewerage plants, livestock farms, car washes, hydro-sanitary applications.

Dimensions

	Ø A	B	C	kg
DG-Steel 37	170	350	G 1½"	6.6
	H	L	M	
	435	195	350	
	H1	L1	M1	
	205	115	300	

	Ø A	B	C	kg
DG-Steel 55/75	215	405	G 1½"	8.1/8.9
	H	L	M	
	490	250	400	
	H1	L1	M1	
	260	170	350	



M - M1 Minimum dimensions - 500mm x 500mm Suggested dimensions



DR-Steel

SUBMERSIBLE STAINLESS STEEL PUMPS FOR DRAINAGE

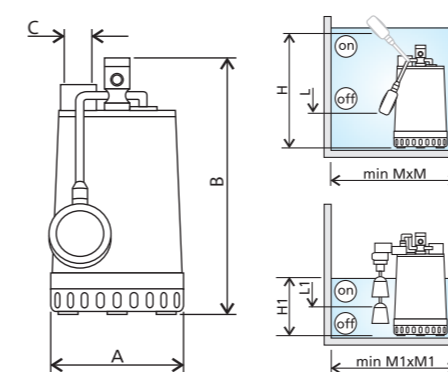
Applications

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.

Dimensions

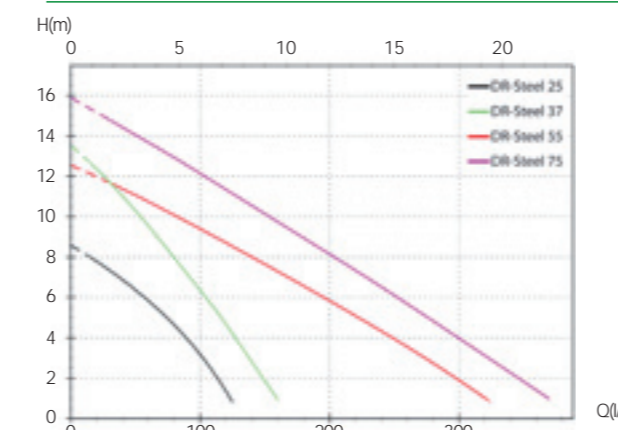
	Ø A	B	C	Kg
DR-Steel 25/37	170	300	G 1½"	5.9 / 6.3
	H	L	M	
	385	145	350	
	H1	L1	M1	
	155	65	300	

	Ø A	B	C	Kg
DR-Steel 55/75	215	335	G 1½"	7.7 / 8.4
	H	L	M	
	420	180	400	
	H1	L1	M1	
	190	100	350	



M - M1 Minimum dimensions - 500mm x 500mm Suggested dimensions

Performances



Current (A)	P2 (kW)	Free Passage	Q																
			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				
DR-Steel 25	2.3	-	0.25	10	8.5	7.0	5.7	4.0	1.3										
DR-Steel 37	3.1	-	0.37	10	13.6	11.6	9.5	7.0	4.5	1.9									
DR-Steel 55	4.3	-	0.55	12	12.4	11.3	10.4	9.2	8.4	7.2	6.3	5.0	4.0	3.0	1.8				
DR-Steel 75	5.6	2.4	0.75	12	16.0	15.0	13.4	12.4	11.2	10.0	8.8	7.6	6.5	5.2	3.8	2.5			



1 Handle
Polypropylene + 30% Glass Fibre

2 Shaft
Stainless steel AISI 420

3 Cooling System

As for the **internal recycle pumped liquid system**, the motor cooling is guaranteed even if the pump is partially covered by the liquid, thanks to the thru flow design & top discharge.

4 Sealing Systems

Three seals
- **double mechanical seal (SIC-AI)** in oil sump with food-grade oil lubrication
- **one V-ring** in direct contact with the liquid

5 Strainer

Chrome-nickel steel AISI 304
A special set allows the pump to be transformed into a dry floor model. The minimum level of liquid can be lowered to 5 mm from the ground by setting two special shims.

6 Pump body
Chrome-nickel steel AISI 304

7 Impeller
Chrome-nickel steel AISI 304



Features

0,25 - 0,75 kW	Out power range
Open multichannel	Impeller
2	Poles
G 1½" - G 1½"	Outlet
10 - 12 mm	Max free passage
16 mt	Max head
335 l/min	Max capacity

Running conditions

40°C (90°C max 3 min)	Max. operating temperature
6 - 14	Fluid pH
1 mm²/s	Fluid viscosity
S1 submerged	Service
10 mt	Max. immersion depth
1 kg/dm³	Fluid density
< 70 dB	Max. acoustic pressure
30	Max. start-ups/hour

Materials

Chrome-nickel steel AISI 304	Pump casing Pump body Strainer, Impeller
Polypropylene + 30% Glass Fibre	Handle
AISI 420 Steel	Shaft

Sealing Systems
Three seals:
- **double mechanical seal (SIC-AI)** in sealed chamber, cooled with foodgrade oil
- **one V-ring** in direct contact with the liquid