DSN

Pumps & Solutions

Delivering Value...

HYDROFLOW I HYDROWAVE

DEWATERING PUMPS

IDEAL FOR -

BUILDING SERVICES • CIVIL & INFRA SECTOR • INDUSTRIAL SECTOR
MUNICIPAL & GOVT. UTILITIES • MINES • DOCKS & MARINES



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HYDROFLOW
2.2kW to 7.5kW
FLV Series



Tech. Specifications*

Rating	:	2.2kW to 7.5kW
Flow	:	Up to 160 m^3/hr
Head	:	Up to 50 m
Pole	:	2 Pole
Frequency	:	50Hz/60Hz
Voltage Variants	:	380V to 660V
Power Supply	:	Three Phase, AC
Starting	:	DOL
Motor	:	Dry

Process Data

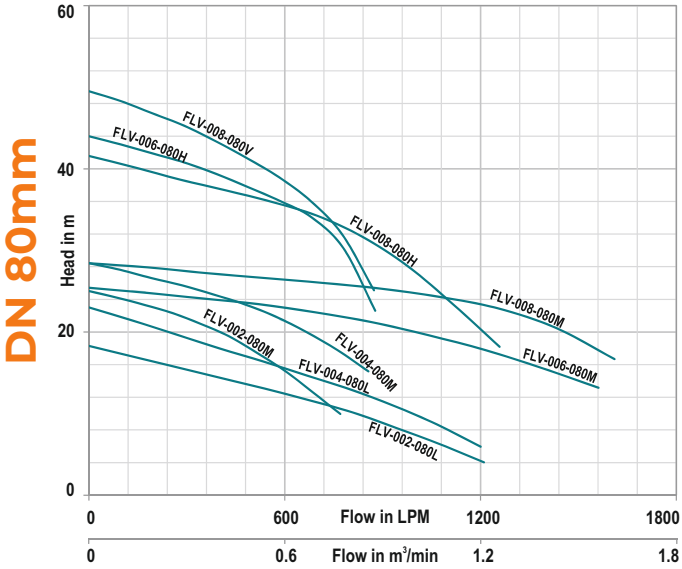
Liquid Temperature	:	-5°C to 40°C
Liquid Density	:	Max 1100 kg/m^3
Suitable for Liquid pH	:	6 to 8
Solid Passage	:	Up to 8 mm

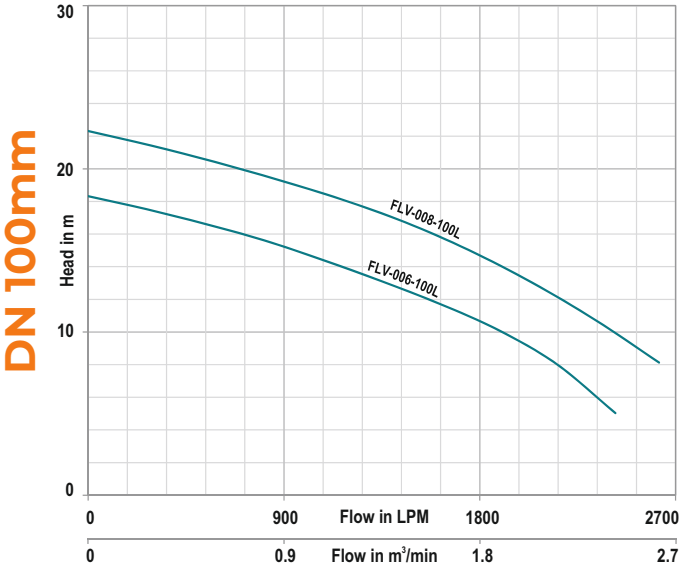
Materials*

Impeller	:	Stainless Steel
Shaft	:	Stainless Steel
Diffuser	:	CI FG 200
Mech. Seal (M)	:	Carbon v/s Ceramic
Mech. Seal (P)	:	Sic v/s Sic

* Option of complete pump in special MOC is also available

Pump Performance

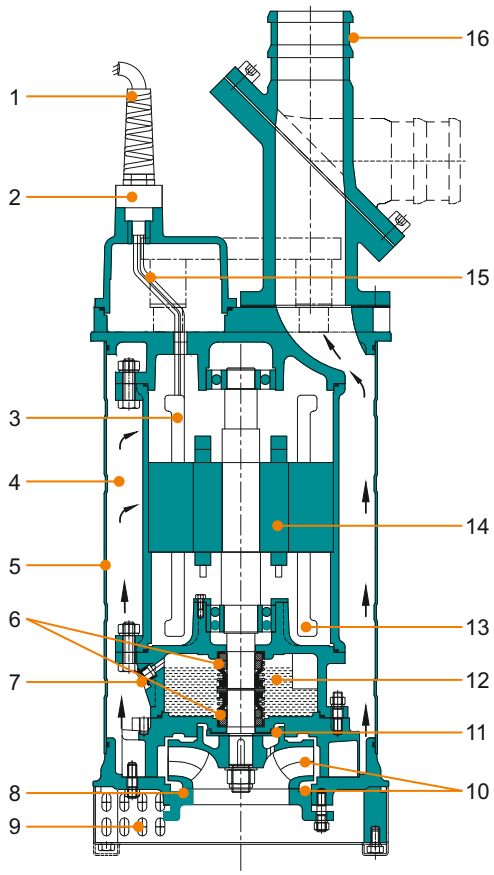




HYDROFLOW
2.2kW to 7.5kW
FLV Series



Cross Sectional View



Features

1. Rubberized submersible cable
2. Specially designed cable gland to avoid undue stress on cable joint
3. Thermal overload protection
4. Run-through cooling for better heat dissipation & low minimum submergence
5. SS middle shell
6. Dual mechanical seal & minimal pumping pressure on seal
7. Oil Plug for removing/filling oil
8. Adjustable suction plate to restore efficiency
9. Strainer to avoid large solids
10. Wear resistant ss impeller & suction plate
11. Seal guard - additional protection for mech. seal
12. Seal chamber
13. Highly efficient dry motor.
14. Dynamically balanced al. die cast rotor for higher starting torque
15. Special cable sealing arrangement. leak proof cable jointing to avoid ingress of water through cable. no need to open motor for changing cable.
16. Modular outlet design: flexibility to use outlet adaptor for vertical or horizontal pipe connections

Dimensions

MODEL	RATING in kW	DN SIZE	SOLID PASSAGE	MINIMUM SUBMERGENCE	W	H	NET WEIGHT
FLV-002-080M	2.2	80	8	100	284	575	46
FLV-002-080L	2.2	80	8	120	284	585	46
FLV-004-080M	3.7	80	8	100	284	575	48
FLV-004-080L	3.7	80	8	120	284	585	48
FLV-006-080H	5.5	80	8	110	284	620	61
FLV-006-080M	5.5	80	8	110	284	620	61
FLV-006-100L	5.5	100	8	150	340	685	68
FLV-008-080H	7.5	80	8	110	284	680	66
FLV-008-080V	7.5	80	8	110	284	680	66
FLV-008-080M	7.5	80	8	110	284	680	66
FLV-008-100L	7.5	100	8	150	340	750	78

Note : All dimensions are in mm | W - Weight in Kg | H- Height

HYDROFLOW
11kW to 75kW
FLW Series



Tech. Specifications*

Rating	:	11kW to 75kW
Flow	:	Up to 365 m^3/hr
Head	:	Up to 90 m
Pole	:	2 Pole
Frequency	:	50Hz/60Hz
Voltage Variants	:	380V to 660V
Power Supply	:	Three Phase, AC
Starting	:	Star-Delta
Motor	:	Dry

Process Data

Liquid Temperature	:	-5°C to 40°C
Liquid Density	:	Max 1100 kg/m^3
Suitable for Liquid pH	:	6 to 8
Solid Passage	:	Up to 16 mm

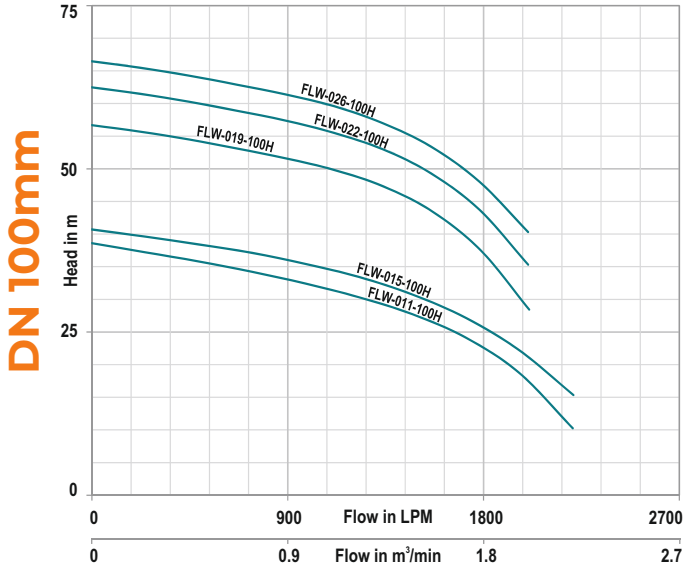
Materials*

Impeller	:	Stainless Steel
Shaft	:	Stainless Steel
Diffuser	:	CI FG 200, Stainless Steel
Mech. Seal (M)	:	Carbon v/s Ceramic, Carbon v/s Alloy Steel
Mech. Seal (P)	:	Sic v/s Sic

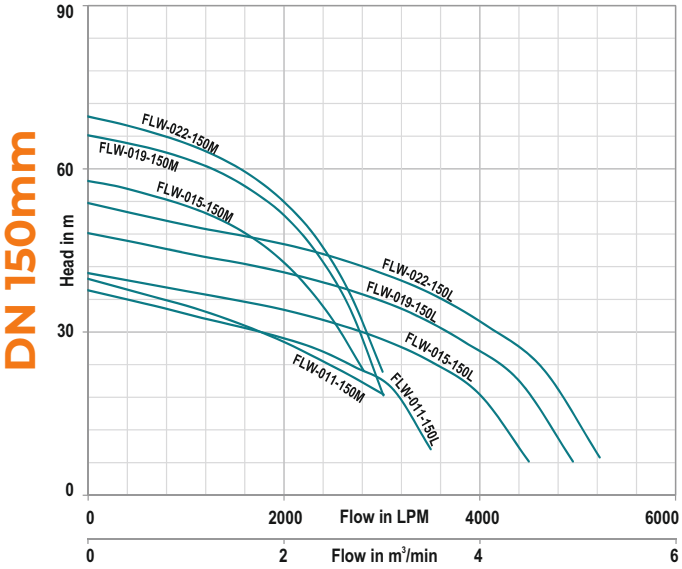
* Option of complete pump in special MOC is also available

Pump Performance

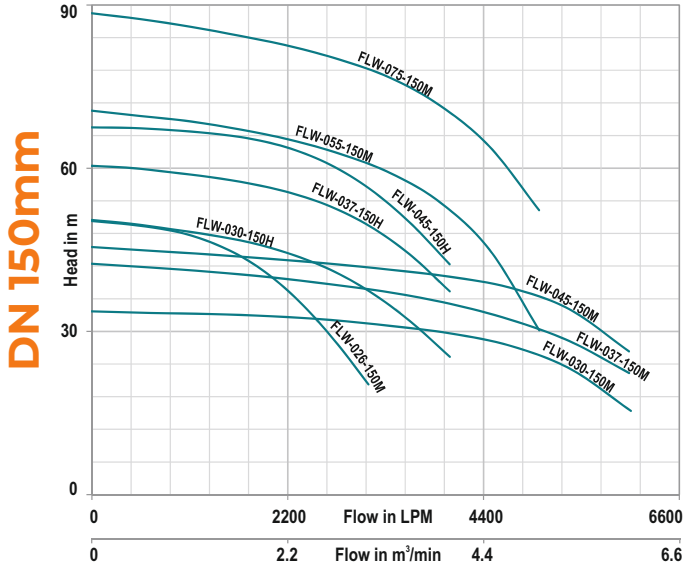
DN 100mm



DN 150mm



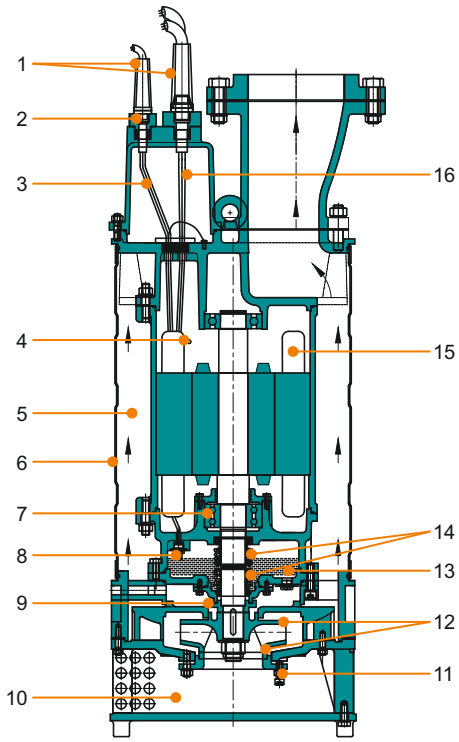
DN 150mm



HYDROFLOW
11kW to 75kW
FLW Series



Cross Sectional View



Features

1. Separate power & control cables
2. Specially designed cable gland to avoid undue stress on cable joint
3. No need to open motor for changing cable.
4. Thermal overload protection
5. Forced cooling for better heat dissipation & low minimum submergence
6. SS casing for better aesthetic
7. Grease lubricated high capacity ball bearing
8. Moisture sensor to detect seal failure
9. Seal guard - Additional protection for Mech. seal
10. Strainer to avoid chocking of impeller
11. Adjustable wear ring to restore efficiency
12. Wear resistant impeller & wear ring
13. Separate seal housing
14. Dual mechanical seal & minimal pumping pressure on seal
15. Highly efficient dry motor, better heat dissipation. Choice of insulation (F, H, C)
16. Special cable sealing arrangement. Leak proof cable jointing to avoid ingress of water through cable.

Dimensions

MODEL	RATING in kW	DN SIZE	SOLID PASSAGE	MINIMUM SUBMERGENCE	W	H	NET WEIGHT
FLW-011-100H	11	100	8	180	390	960	215
FLW-011-150M	11	150	8	180	435	1000	215
FLW-011-150L	11	150	16	200	440	990	245
FLW-015-100H	15	100	8	180	390	1000	233
FLW-015-150M	15	150	8	180	435	1040	233
FLW-015-150L	15	150	16	200	425	1060	265
FLW-019-100H	19	100	8	180	390	1035	263
FLW-019-150M	19	150	8	180	435	1080	263
FLW-019-150L	19	150	16	200	425	1100	280
FLW-022-100H	22	100	8	180	390	1055	271
FLW-022-150M	22	150	8	180	435	1110	271
FLW-022-150L	22	150	16	200	440	1100	290
FLW-026-100H	26	100	8	180	390	1055	276
FLW-026-150M	26	150	8	180	435	1110	276
FLW-030-150H	30	150	16	340	545	1530	490
FLW-030-150M	30	150	16	1500	545	1560	490
FLW-037-150H	37	150	16	340	545	1585	522
FLW-037-150M	37	150	16	1500	545	1610	522
FLW-045-150H	45	150	16	340	545	1665	565
FLW-045-150M	45	150	16	1500	545	1695	565
FLW-055-150M	55	150	16	350	545	1750	650
FLW-075-150M	75	150	16	350	545	1790	730

Note : All dimensions are in mm | W - Weight in Kg | H- Height

HYDROWAVE
11kW to 22kW
WVE Series



Tech. Specifications*

Rating	:	11kW to 22kW
Flow	:	Up to 680 m^3/hr
Head	:	Up to 20 m
Pole	:	4 Pole
Frequency	:	50Hz
Voltage Variants	:	380V to 660V
Power Supply	:	Three Phase, AC
Starting	:	Star-Delta
Motor	:	Dry / Oil

Process Data

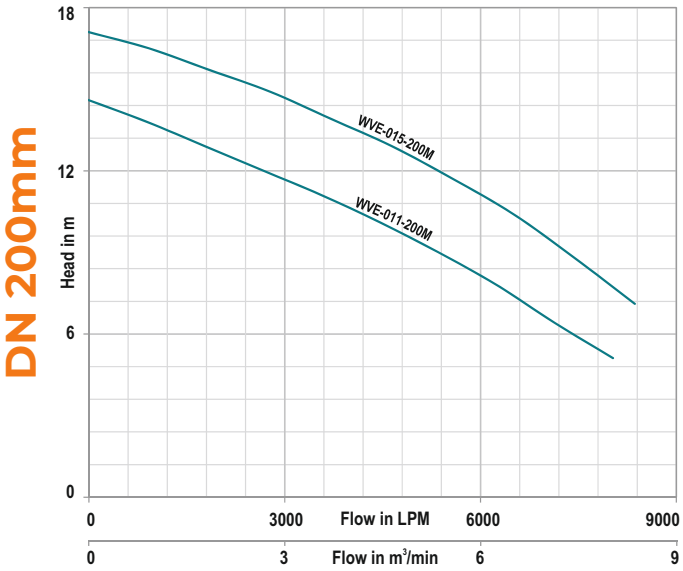
Liquid Temperature	:	-5°C to 40°C
Liquid Density	:	Max 1100 kg/m^3
Suitable for Liquid pH	:	6 to 8
Solid Passage	:	Up to 25 mm

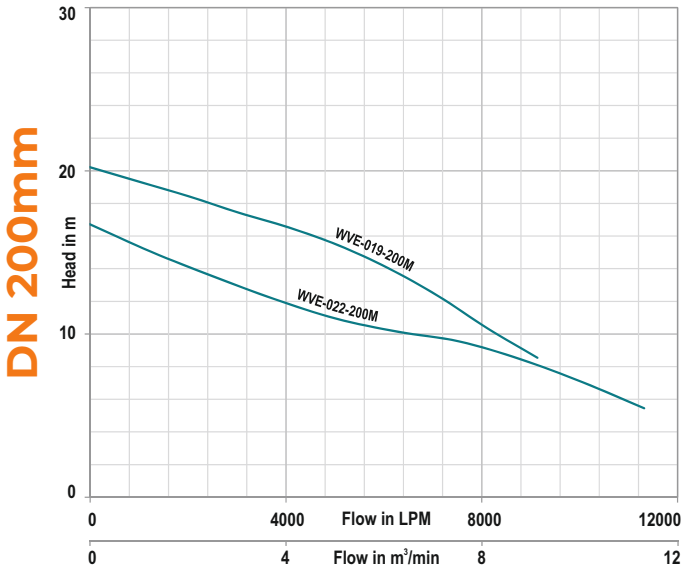
Materials*

Impeller	:	Stainless Steel
Shaft	:	Stainless Steel
Bowl	:	CI FG 200
Mech. Seal (M)	:	Carbon v/s Ceramic
Mech. Seal (P)	:	Sic v/s Sic

* Option of complete pump in special MOC is also available

Pump Performance

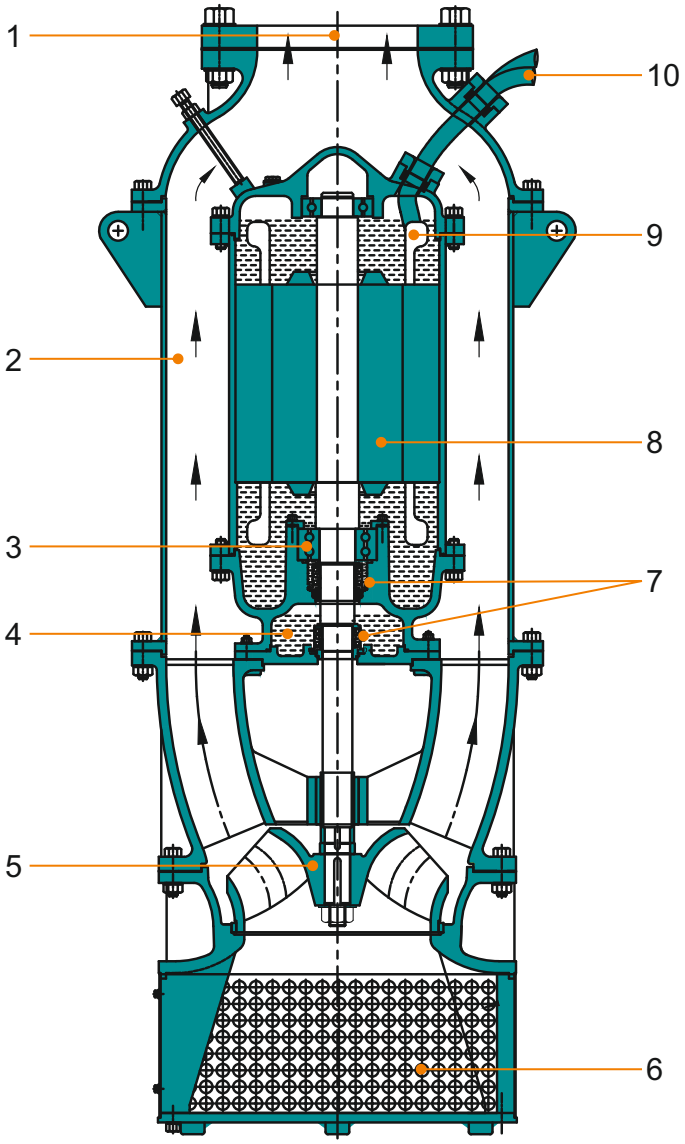




HYDROWAVE
11kW to 22kW
WVE Series



Cross Sectional View



Features

1. Top center line discharge
2. Forced cooling for better heat dissipation and low minimum submergence
3. Heavy duty oil lubricated ball bearing
4. Separate seal chamber for easy seal maintenance / replacement
5. Specially designed highly efficient, impeller
6. Strainer to avoid large solids
7. Dual mechanical seal and minimal pumping pressure on seal
8. Dynamically balanced Al. Die-cast rotor for higher starting torque.
9. Highly efficient oil filled motor, better heat dissipation and no hot spot. Choice of insulation (PVC, F, H, C)
10. Rubberized submersible cable

Dimensions

MODEL	RATING in kW	DN SIZE	SOLID PASSAGE	MINIMUM SUBMERGENCE	W	H	NET WEIGHT
WVE-011-200M	11	200	16	250	520	1230	280
WVE-015-200M	15	200	16	250	520	1230	290
WVE-019-200M	19	200	16	250	520	1245	310
WVE-022-200M	22	200	16	380	605	1425	350

Note : All dimensions are in mm | W - Weight in Kg | H- Height

About Us

DSN Solutions is a specialist in industrial pumping technologies, delivering robust and reliable solutions across dewatering, sewage, and slurry handling applications.

With a strong focus on quality, customization, and customer satisfaction, we cater to demanding sectors such as construction, mining, infrastructure, and wastewater treatment, both in India and across global markets.

Our approach is built around high-performance engineering, field-tested designs, and service-driven support to ensure uptime, efficiency, and long-term value.

Core Strengths

- Application Expertise – Custom-engineered pumps tailored to challenging site conditions
- Wide Product Portfolio – One-stop solution for dewatering, slurry, and wastewater
- Export-Ready Design – Built to meet international standards and performance benchmarks
- Rapid Delivery & Support – Reliable after-sales assistance and spares availability
- Proven Track Record – Successful deployments in diverse geographies and industries
- Durability & Efficiency – Optimized for high uptime, low maintenance, and long service life

DSN
Pumps & Solutions
Delivering Value...

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