



SUBMER SIBLE P RODUCT R ANGE

V

**SCREENED SEWAGE PUMP
CAST IRON**

VN

**SCREENED SEWAGE PUMP
CAST STAINLESS STEEL**

2014 PRODUCT CATALOGUE
Q/S&M/SUB MER SIBLE/SCREENED SEWAGE V&V N CAT/14/01



V RANGE

APPLICATIONS

The V Range pumps are all fitted with open vane impellers. The units are designed for screened sewage pumping applications but are supplied with a removable suction screen for dual purpose use in dewatering applications.

The V Range finds application in screened sewage and dewatering for building services, mining, garden/domestic and construction industries.

OPERATING CONDITIONS

Liquid temperature:	up to 40°C
Maximum operating depth:	5m below water level
Maximum density of the pumped liquid:	1kg/m ³

MATERIALS OF CONSTRUCTION

Cast-iron pump body.

Double stainless steel mechanical seal (graphite/ceramic and graphite/silicon carbide). Nitrile elastomer.

Float level control with single phase pumps and three phase float switch available.

Cast iron open vane impeller.

Thermal overload protection for single-phase motor.



TECHNICAL DATA

MODEL	POWER		OUTLET DIAMETER	VOLTAGE	MAX. FLOW	MAX. HEAD	WEIGHT	DIMENSIONS
	(kW)	(Hp)	(mm)	(V/Hz)	(m ³ /h)	(m)	(kg)	(mm)
V250	0.25	0.35	40	220/50	9	7.5	9.5	185X180X385
V450	0.45	0.5	50	220/50	12.5	10	18.5	260X195X500
V750	0.75	1	50	220/50	18	12	19.5	260X195X540
V1100	1.1	1.5	50	220/50	20	9	23.5	275X225X560
V1500	1.5	2	40	220/50	26	24	26.5	320X230X565
V2200	2.2	3	76	220/50	38	16	33.5	590X230X330

VN RANGE

APPLICATIONS

The VN Range pumps are all fitted with open vane impellers. The units are designed for chemical sludge pumping applications but are supplied with a removable suction screen for dual purpose use in dewatering applications.

The VN Range finds application in sludge and contaminated water removal for factories, process plants and manufacturing facilities.

OPERATING CONDITIONS

Liquid temperature:	up to 40°C
Maximum operating depth:	5m below water level
Maximum density of the pumped liquid:	1.2kg/m ³
Maximum solids diameter:	25mm or 35mm

MATERIALS OF CONSTRUCTION

304 stainless steel cast pump body.
 Double stainless steel mechanical seal (graphite/ceramic and graphite/silicon carbide. Viton elastomer. Viton cable shroud.
 Float level control with single phase pumps.
 Three phase float conversion available.
 Stainless steel open vane impeller.
 Thermal overload protection for single-phase motor.

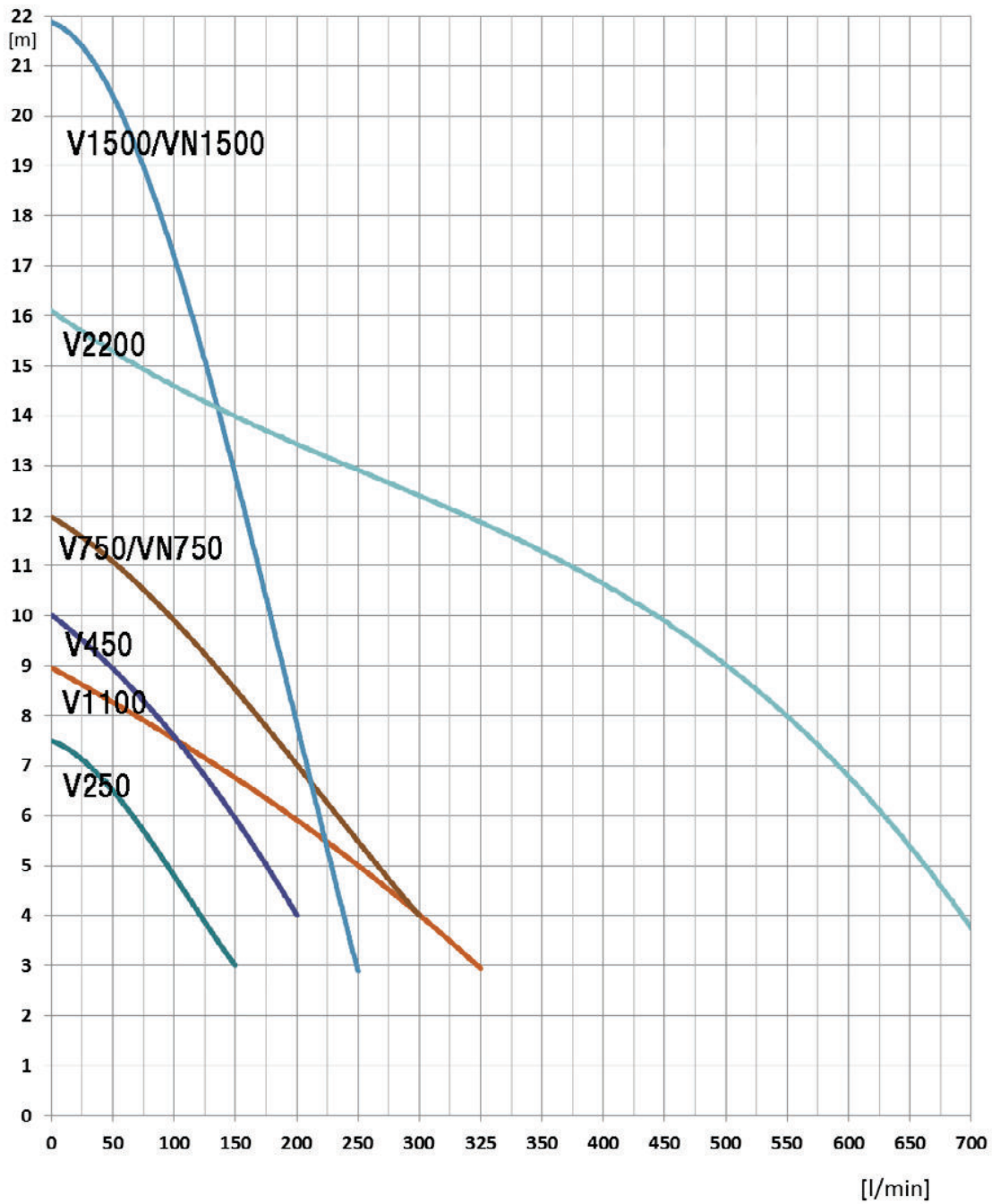


TECHNICAL DATA

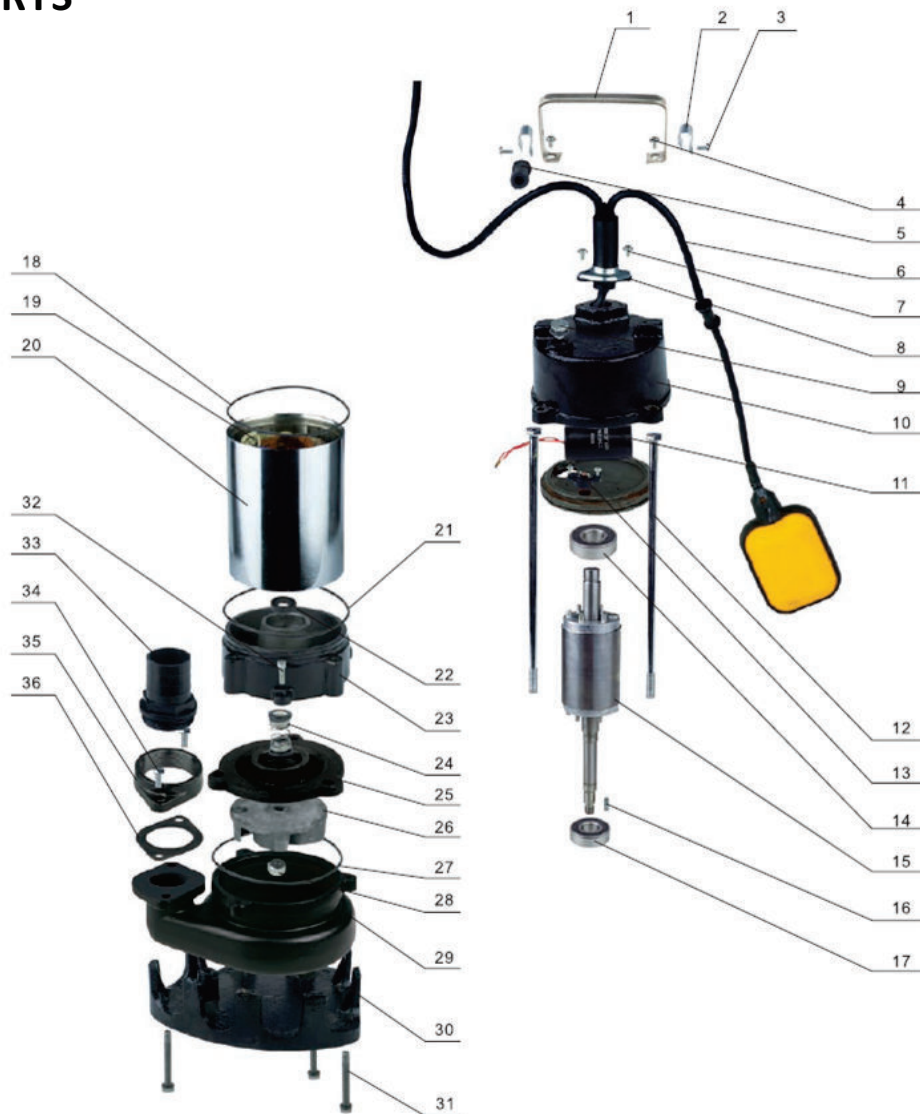
MODEL	POWER	DISCHARGE	VOLTAGE	MAX. FLOW	MAX. HEAD	WEIGHT	DIMENSIONS
	(w)	(mm)	(V/Hz)	(m ³ /h)	(m)	(kg)	(mm)
VN750	0.75	50	220/50	18	12	20	26.0X19.5X54.0
VN1500	1.5	40	220/50	26	24	27	32.0X23.0X56.5

V & V N R A N G E S

PERFORMANCE CURVES



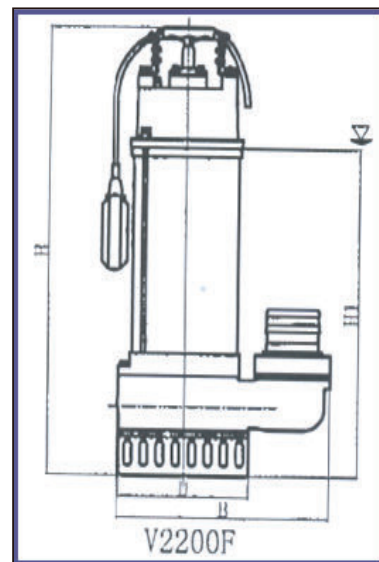
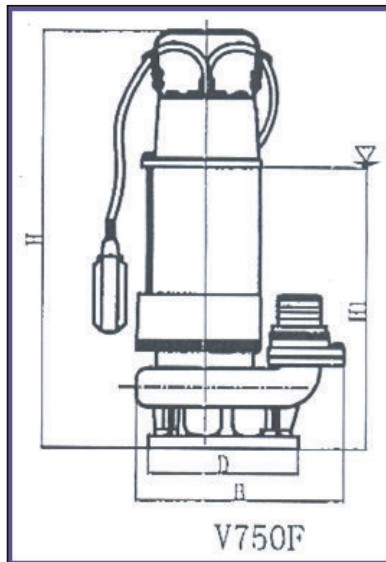
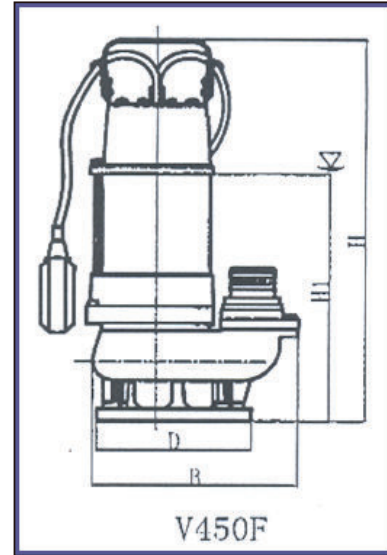
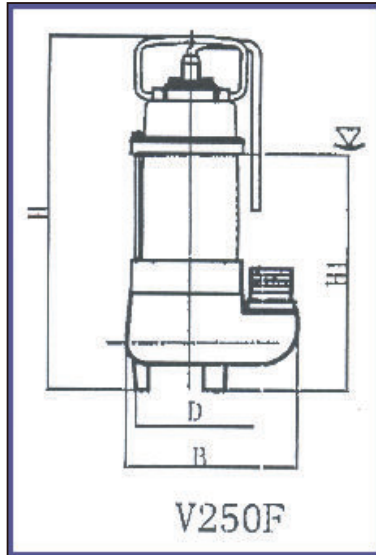
PUMP PARTS



DIAGRAM

N o.	Description	N o.	Description	N o.	Description	N o.	Description	N o.	Description
1	Handle	9	Exhaust Plug	17	Bearing	25	Oil Tank Cover	33	Outlet Pipe
2	Fairlead	10	Top Cover	18	O-Ring	26	Impeller	34	Screw
3	Screw	11	Capacitor	19	Stator	27	O-Ring	35	Flange
4	Screw	12	Screw	20	Canister	28	Impeller Nut	36	Washer
5	Guard	13	Over-Load Protector	21	O-Ring	29	Pump Body		
6	Flow Switch	14	Bearing	22	Oil Seal	30	Pump Base		
7	Screw	15	Rotor	23	Oil Tank	31	Screw		
8	Seal Pressure Block	16	Key	24	Mechanical Seal	32	Screw		

PUMP DIMENSIONS



MODEL	B	D	H	H1
V250	166	102	357	239
V450	233	176	445	289
V750/VN750	243	176	486	326
V1100	278	180	533	376
V1500/VN1500	304	176	525	367
V2200	295	179	534	391