

VESTA POMP

Makes life comfortable

SNV-B

PROCESS PUMPS (SUMP DESIGN)



Handled Liquids

Clean or normal contaminated low or medium viscosity liquids without solid & fibrous particles.

Technical Data

Discharge Flange _____ DN 32....DN 200 mm

Capacity _____ up to 800 m³/h

Head _____ up to 35 m

Speed _____ up to 1450 rpm

Operating Temperature _____ up to +95 °C

Casing Pressure (Pmax) _____ 10 bar

Design Features

- Vertical, volute casing, single stage, end suction centrifugal sump pumps with enclosed type impeller.
- Up to 4 m. column length.
- Discharge pipe is extended up to base plate for easy installation.
- Suction and discharge flanges conform to EN 1092-2 / PN 16. (EN 1092-1 / PN 16 for steel or stainless steel casing)

Pump Designation

Pump Type _____

Discharge Nozzle (DN-mm) _____

Nominal Impeller Diameter (mm) _____

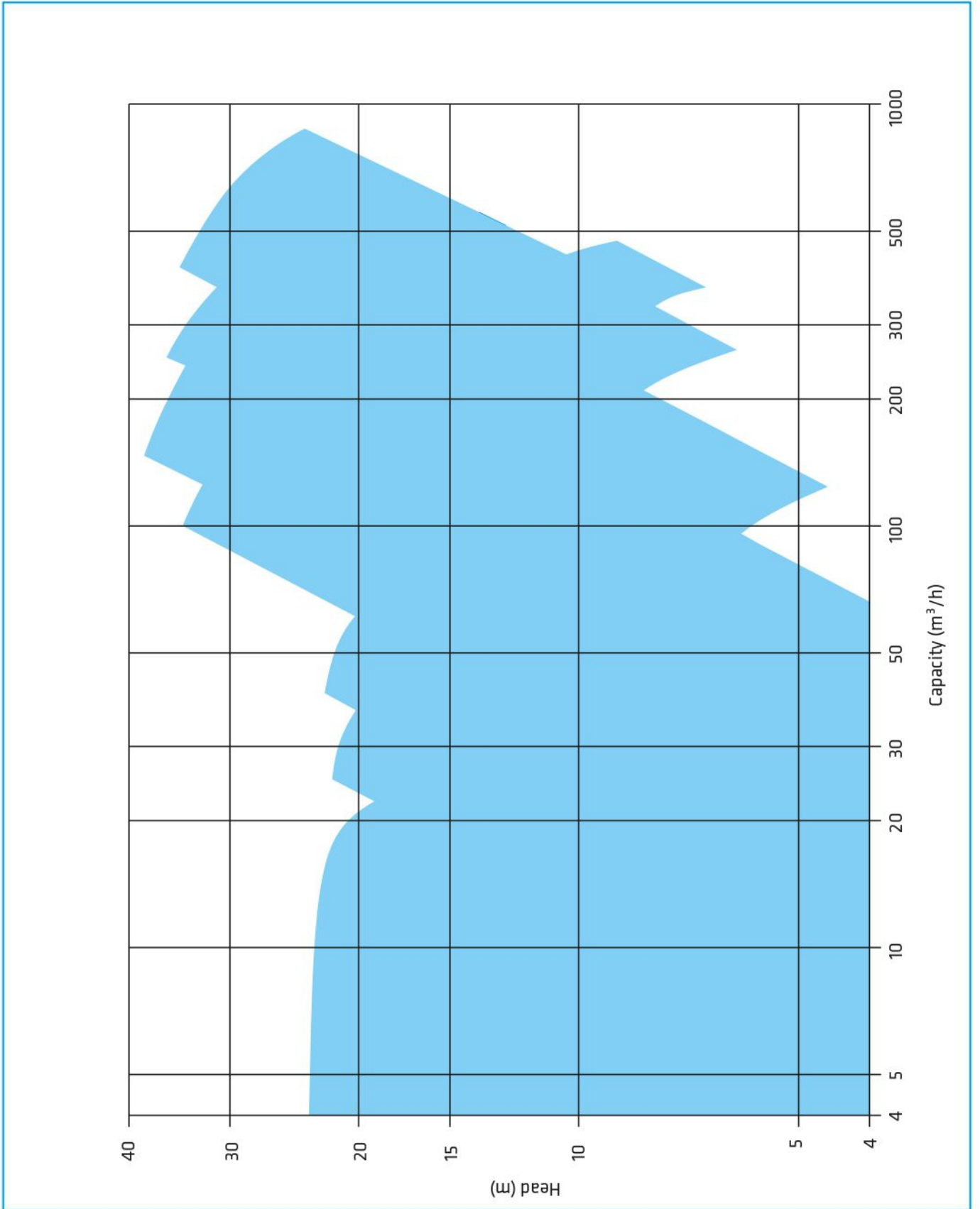


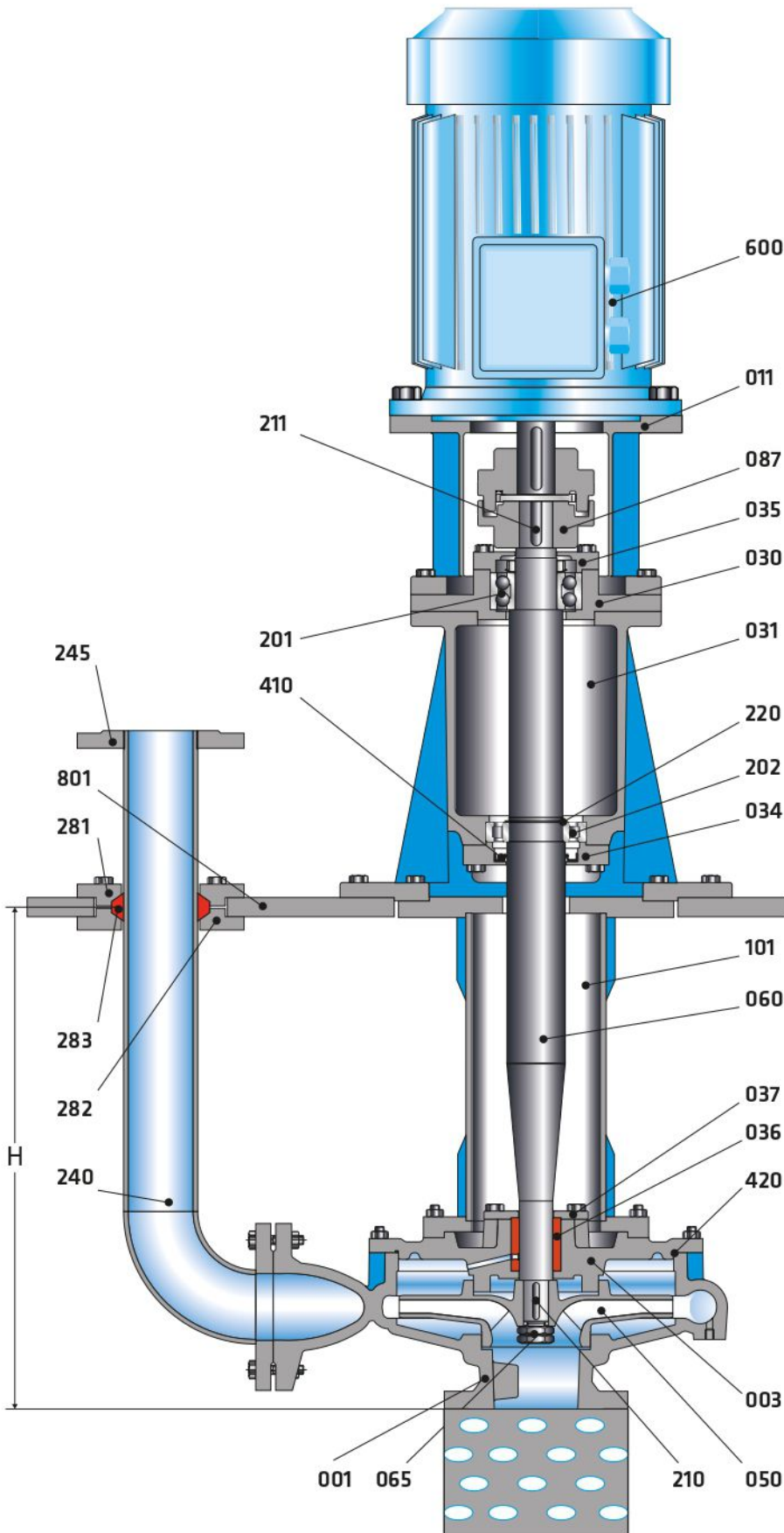
- All impellers are balanced dynamically according to ISO 1940 class 6.3.
- Axial thrust is balanced by impeller balancing holes system.
- Direction of rotation is clockwise viewed from driver.
- Bearings of SNV-B type pumps are grease lubricated. Bottom and internal sleeve bearings are lubricated by the pumping liquid. (different lubrication systems can be applied for the sleeve bearings in case of request or requirement. Contact for detailed information)

Shaft Sealing

- No sealing is required.

SNV-B 100 - 250





Part List

001	Volute Casing
003	Casing Cover
011	Motor Pedestal
030	Bearing Housing (top)
031	Bearing Housing (bottom)
034	Bearing Cover (bottom)
035	Bearing Cover (top)
036	Sleeve Bearing
037	Sleeve Bearing Cover
050	Impeller
060	Shaft
065	Impeller Nut
087	Flexible Coupling
101	Column Pipe
201	Double Row Ball Bearing
202	Cylindrical Roller Bearing
210	Impeller Key
211	Coupling Key
220	Circlip
240	Discharge Pipe
245	Discharge Flange
281	Top Fixing Flange
282	Bottom Fixing Flange
283	Rubber Gasket
410	Lip Seal
420	O-Ring
600	Electric Motor
801	Base Plate

Material Options

PART LIST	0.6025	0.7040	1.0619	1.4308	1.4309	1.4408	1.4409	1.4500	1.4517	1.4469	1.4317	2.1050.01	2.0975.01	1.0037	1.0503	1.4021	1.4301	1.4306	1.4401	1.4404	1.4462	Tungsten Carbide	
Volute Casing	●	○	○	○	○	○	○	○	○	○	○	○	○										
Casing Cover	●	○	○	○	○	○	○	○	○	○	○	○	○										
Impeller	●	○	○	○	○	○	○	○	○	○	○	○	○										
Shaft															●	○	○	○	○	○	○		
Bearing Housing	●	○																					
Column Pipe														●			○	○	○	○	○		
Wear Ring (Casing)	○	○	○	○	○	○	○	○	○	○	○	○	○										
Sleeve Bearing												●											○

● Standard manufacturing
○ Optional

Material Equivalents

Description	DIN 17007	EN-DIN	ASTM
Cast Iron	0.6025	GJL-250 (GG25)	A 48 Class 40-B
Nodular Cast Iron	0.7040	GJS-400-15 (GGG 40)	A 536 Gr. 60-40-18
Cast Steel	1.0619	GP240GH (GS-C 25)	A 216 Gr. WCB
Chrome Nickel Cast Steel	1.4308	G-X5 Cr Ni 19-10	A 351/743/744 Gr. CF8
Chrome Nickel Cast Steel (low carbon)	1.4309	G-X2 Cr Ni 19-11	A 351/743/744 Gr. CF3
Chrome Nickel Molybdenum Cast Steel	1.4408	G-X5 Cr Ni Mo 19-11-2	A 351/743/744 Gr. CF8M
Chrome Nickel Molybdenum Cast Steel (low carbon)	1.4409	G-X2 Cr Ni Mo 19-11-2	A 351/743/744 CF3M
Austenitic Cast Steel	1.4500	G-X2 Cr Ni Mo Cu Nb 25-20	A 351/743/744 (CN7M)
Austenitic - Ferritic Cast Steel (duplex)	1.4517	G-X2 Cr Ni Mo Cu N 25-6-3-3	A 890 Gr. 1B (CD4MCuN)
Austenitic - Ferritic Cast Steel (super duplex)	1.4469	G-X2 Cr Ni Mo N 26-7-4	A 890 Gr. 5A (CE3MN)
Martenzitic Stainless Cast Steel	1.4317	G-X4 Cr Ni 13-4	A 351/743/744 (CA6NM)
Cast Bronze (tin alloy)	2.1050.01	G-Cu Sn 10	B 584 C 90700
Cast Bronze (nickel alloy)	2.0975.01	G-Cu Al 10 Ni	B 148 C 95800
Steel	1.0037	St 37	A 29 1015
Carbon Steel	1.0503	C 45	A 29/108/576 1045
Chrome Steel	1.4021	X20 Cr 13	A 276 Type 420
Chrome Nickel Steel	1.4301	X5 Cr Ni 18-10	A 276 Type 304
Chrome Nickel Steel (low carbon)	1.4306	X2 Cr Ni 19-11	A 276 Type 304L
Chrome Nickel Molybdenum Steel	1.4401	X5 Cr Ni Mo 17-12-2	A 276 Type 316
Chrome Nickel Molybdenum Steel (low carbon)	1.4404	X2 Cr Ni Mo 17-12-2	A 276 Type 316L
Duplex (austenitic-ferritic) Steel	1.4462	X2 Cr Ni Mo N 22-5-3	A 276 S 31803

Flange Dimensions

EN 1092 - 2

DNe/DNb	Suction & Discharge (PN 16)			
	Df	k	s	n
32	140	100	19	4
40	150	110	19	4
50	165	125	19	4
65	185	145	19	4
80	200	160	19	8
100	220	180	19	8
125	250	210	19	8
150	285	240	23	8
200	340	295	23	12

"n" number of holes

The drawing shows a side view of a flange with dimensions Df (total thickness), k (flange thickness), and DNe/DNb (inner diameter). The top view shows a circular flange with a central hole and n holes around the perimeter, with s representing the hole spacing.