

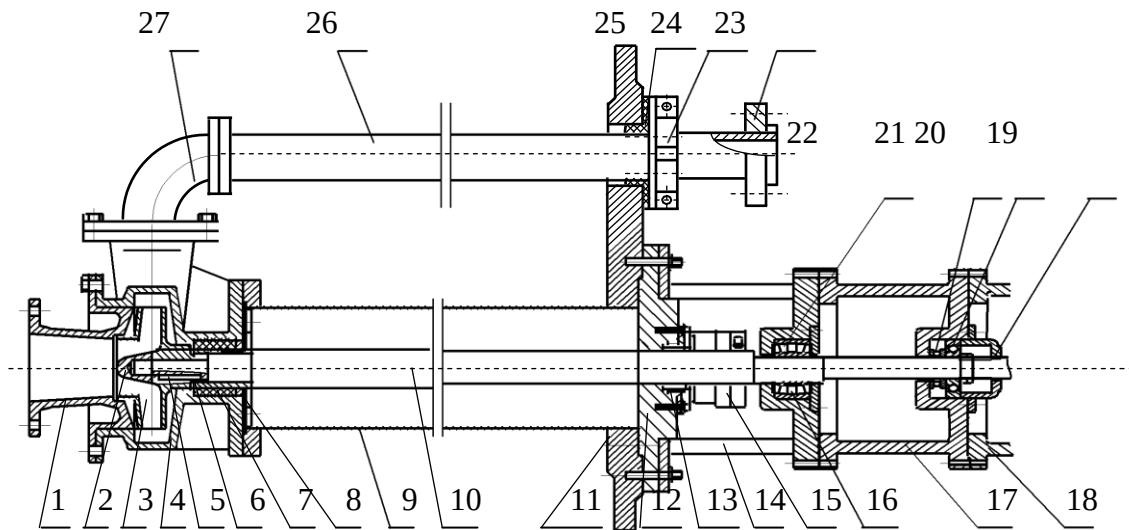
Electrically driven pumps АХПН Q/H.2

Pumps АХПН Q/H.2 – are vertical semisubmersible centrifugal pumps. They allow presence in the pumped fluid of solid particles no greater than 2.00 mm with bulk concentration up to 0.5 %. Immersion depth from support plate is 4 m. On suction connection it is possible to mount a filter up to 0.5 m long. Pumps for aggressive fluids are made with mechanical or gland seals of shaft above the support plate. Flow tube of the pumps is made of stainless steel of types 304 and 316L. Range of flow rates is 3,6-400 m³/hour and range of heads is 15-60 m. Density of the pumped fluid is up to 1800 kg/m³.

Minimal temperature of the pumped fluid is up to -20°C, maximum temperature is up to 105°C.

Model	Liquid consumption, (Q) m³/hour	Head H m	η %	Motors			
				Liquid density (ρ), kg/m³			
				1350		1800	
	2900 r/min						
АХПН 3,6/16.2	3,6	16	22	90S2	1,5	90L2	2,2
АХПН 3,6/25.2		25	21	100L2	3	100L2	3
АХПН 3,6/41.2		41	16	100L2	3	112M2	4
АХПН 6,3 /12,5,2	6,3	12,5	42	90S2	1,5	90L2	2,2
АХПН 7,2/16.2	7,2	16	40	90L2	2,2	100L2	3
АХПН 7,2//26.2		26	35	100L2	3	112M2	4
АХПН 7,2/40.2		40	31	132SA2	5,5	100L2	7,5
АХПН 14/16.2	14	16	53	100L2	3	112M2	4
АХПН 14/25.2		25	50	112M2	4	132SA2	5,5
АХПН 14/40.2		40	42	132SB2	7,5	160MA2	11
АХПН 29/16.2	29	16	58	132SA2	5,5	132SB2	7,5
АХПН 29/25.2		25	55	132SB2	7,5	160MA2	11
АХПН 29/40.2		40	52	160MA2	11	160MB2	15
АХПН 54/15.2	54	15	66	132SB2	7,5	160MA2	11
АХПН 54/24.2		24	65	160MA2	11	160MB2	15
АХПН 54/38.2		38	58	160L2	18,5	180M2	22
АХПН 100/23.2	100	23	68	160L2	18,5	180M2	22
АХПН 100/37.2		37	69	180M2	22	200LA2	30
АХПН 100/57.2		57	63	200LA2	30	225M2	45
АХПН 190/22.2	190	22	72	160MB2	30	200LB2	37
АХПН 190/35.2		35	72	225M2	45	250M2	55
АХПН 400/16.2	400	16	78	225M2	45	250M2	55
АХПН 320/10.2		10	61	180M2	22	200LA2	30

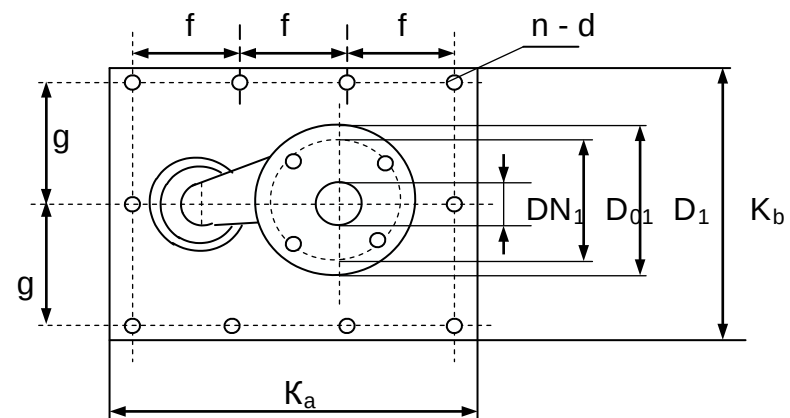
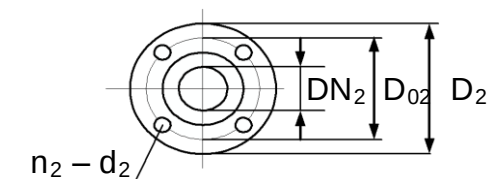
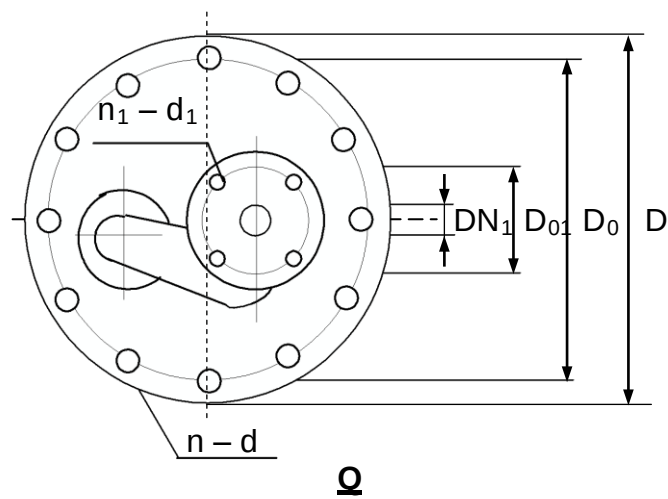
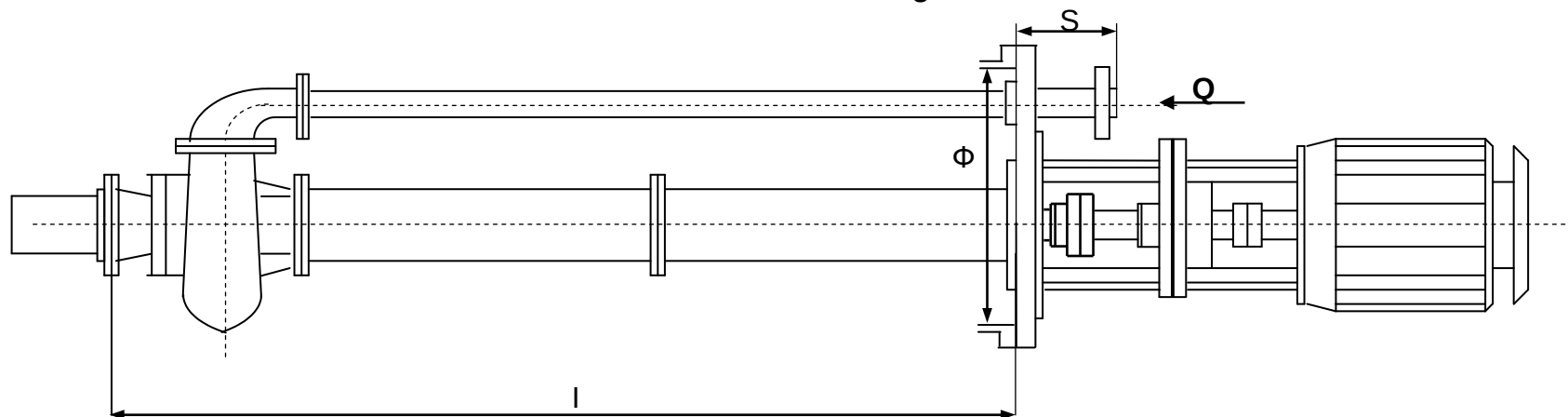
Pump structure



Specification of pump details

No.	Name	Q-ty
1	Inlet fitting	1
2	Nut	1
3	Working wheel	1
4	Pump casing	1
5	Dowel	1
6	Liner	1
7	Bushing	1
8	Pad	1
9	Dipper tube	1
10	Shaft	1
11	Support plate	1
12	Base	1
13	Immovable ring of mechanical seal	1
14	Lower casing	1
15	Moving part of mechanical seal	1
16	Lower bearing	1
17	Undercarriage casing	1
18	Electric motor base	1
19	Top bearing lid	1
20	Top bearing	1
21	Thrust bearing	1
22	Lower bearing	1
23	Flange of discharge connection	1
24	Clamp	1
25	Gasket	1
26	Discharge connection	1
27	Transition	1

Overall and connecting dimensions



Model	Overall and connecting dimensions													
	S	B ₁	Ø	D ₀	D	n - d	DN ₁	D ₁	D ₀₁	n ₁ - d ₁	DN ₂	D ₂	D ₀₂	n ₂ - d ₂
АХПН 3,6/16.2	154	18	415	510	560	8-20	25	100	75	4 - 12	25	100	75	4 – 12
АХПН 3,6/25.2		23												
АХПН 3,6/41.2		35												
АХПН 6,3 /12,5.2	200	35	450	525	565	12-18	65	160	130	авр.14	50	160	125	4 – 18
АХПН 7,2/16.2	170	62	425	540	580	12 - 18	40	130	100	4 -12	40	130	100	4 – 14
АХПН 7,2/26.2		31												
АХПН 7,2/40.2														
АХПН 14,4/16.2	195	40	440	540	580	12 - 18	50	140	110	4 - 14	40	145	110	4 – 18
АХПН 14,4/25.2														
АХПН 14,4/40.2														
АХПН 28,8/16.2	200	32	450	525	565	65	160	130	4 - 14	50	160	125		
АХПН 28,8/25.2														
АХПН 28,8/40.2														
АХПН 54,0/15.2	168	40	530	650	700	16 - 18	80	185	150	4 - 14	65	185	145	
АХПН 54,0/24.2														
АХПН 54,0/38.2														
АХПН 100,8/23.2	203	42	580	650	700	16 - 18	100	205	170	4 - 18	80	205	160	
АХПН 100,8/37.2														
АХПН 100,8/57.2														
АХПН 190/22.2	250	40	900x350	1080	1020	10-24	150	260	225	авр.18	125	240	200	8-18
АХПН 190/35.2														
АХПН 400/16.2		40	1080x680	1220	1160		200	320	280	авр.16	200	320	280	
АХПН 320/10.2														

Immersion depth I and presence of extension filter are determined by customer

Ø – minimal diameter (size) of a hatch in reservoir

Round (by request – rectangular) support plates are manufactured according to customer's dimensions with consideration of minimal diameter Φ (specify dimensions of plates K_a, K_b, g, f, n - d)