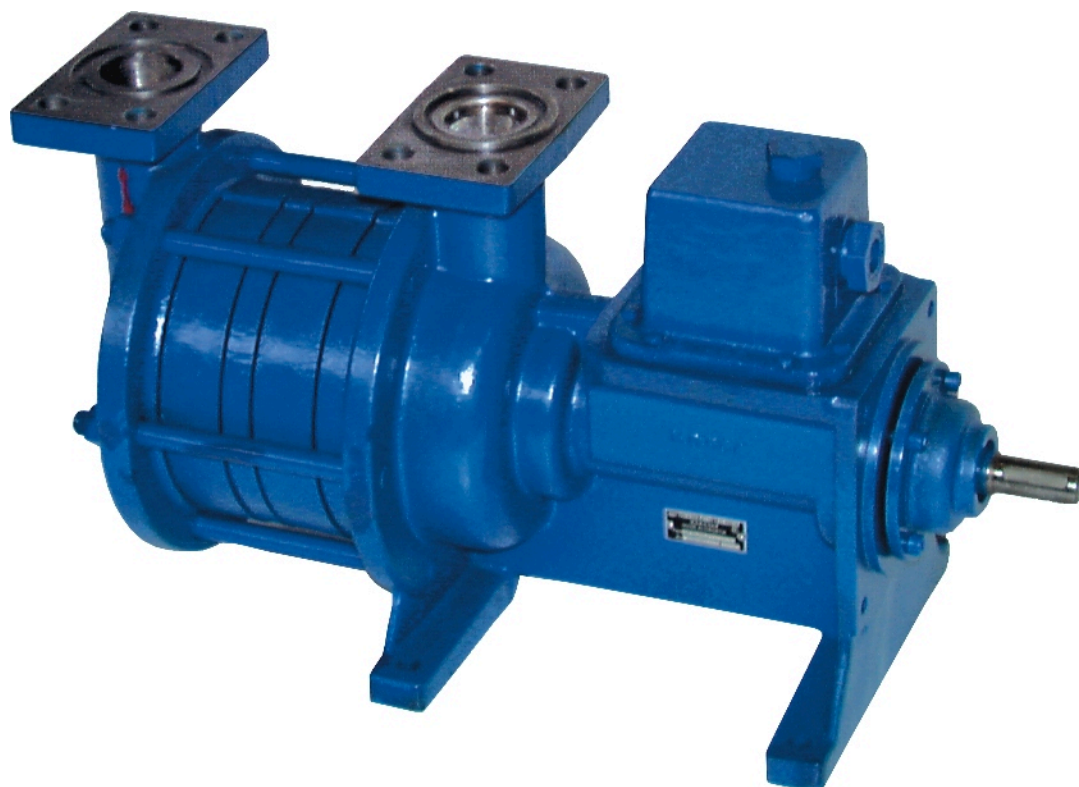


PUMPE ZA AMONIJAK AMMONIA PUMPS



mpd **TVORNICA PUMPI d.d. DARUVAR**
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Pumpe za amonijak su izvedene kao horizontalne jednostepene ili dvostepene centrifugalne pumpe. Pogon pumpi je elektromotorom preko elastične spojke. Pumpa se isporučuje sa protuprirubicama. Osovina pumpe je uležištena u kugličnim ležajevima, a podmazuju se sa uljem.

KARAKTERISTIKE:

- Radna temperatura..... -45°C do + 50°C
- Tlak u sistemu..... do 10 bar
- Visina dizanja i protok prema dijagramu
- Brtvljenje dvostrukom mehaničkom brtvom, tandem izvedba, barijerni fluid - ulje

MATERIJAL IZRADE:

- Kućište pumpe..... SL
- Rotor..... NL
- Osovina..... ugljični čelik

UGRADNJA PUMPE:

- Pumpu postaviti 1m ispod najnižeg nivoa pumpanog medija;
- U usisni cjevovod ugraditi filter finoće 0.2 do 0.4 mm, zaporni ventil, vakuummetar;
- U tlačni vod ugraditi zaporni ventil, nepovratni ventil, manometar i odzračni čep.

Ammonia pumps are designed as horizontal, one or two stage centrifugal pumps. The drive is with electric motor by means of elastic coupling. Pump is delivered with mounted counterflanges. The pumps shaft are with two ball bearings which are lubricated with oil.

PUMP CHARACTERISTICS:

- Working temperature..... -45°C to + 50°C
- System pressure..... up to 10 bar
- Delivery head and capacity acc. to diagram
- Sealing by means of double tandem mechanical seal with oil as barrier fluid.

CONSTRUCTIVE MATERIALS:

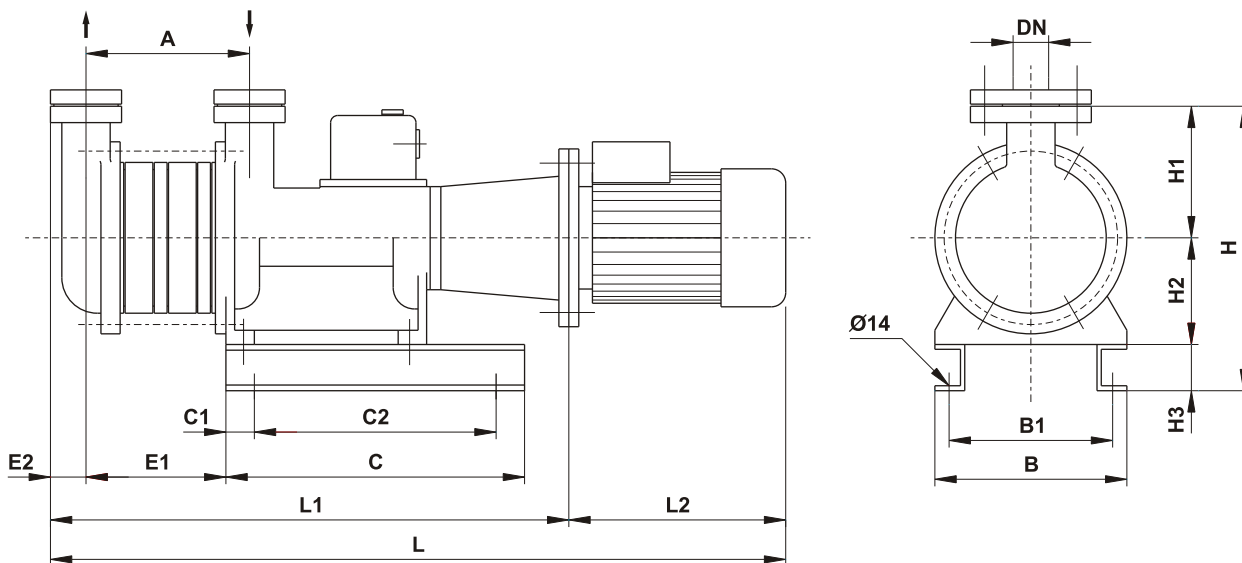
- Pump casing..... Gray cast iron
- Rotor (Impeller)..... Nodular cast iron
- Shaft..... Carbon steel

PUMP MOUNTING:

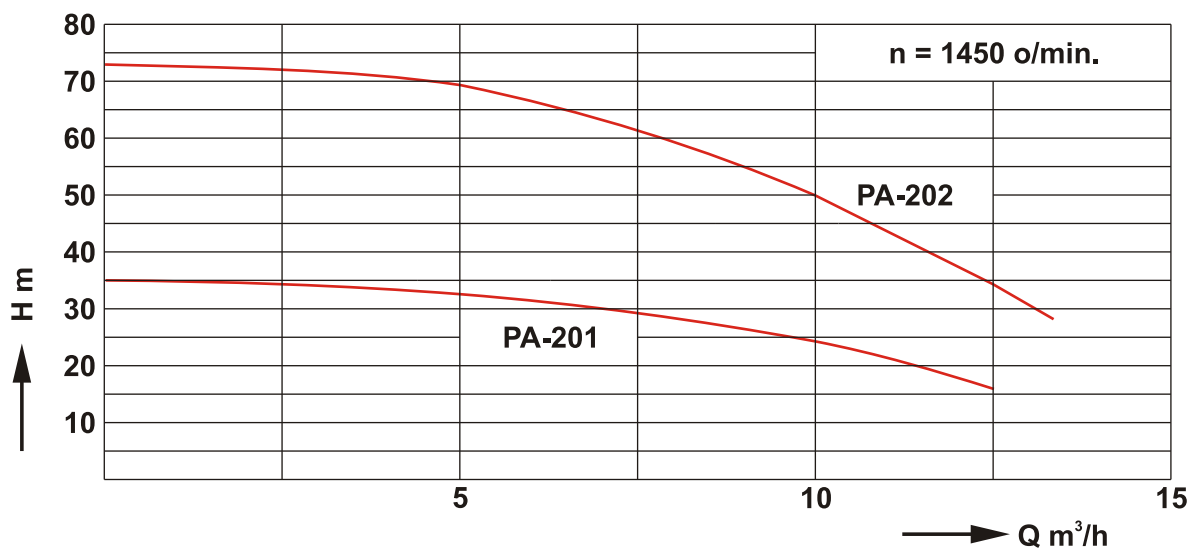
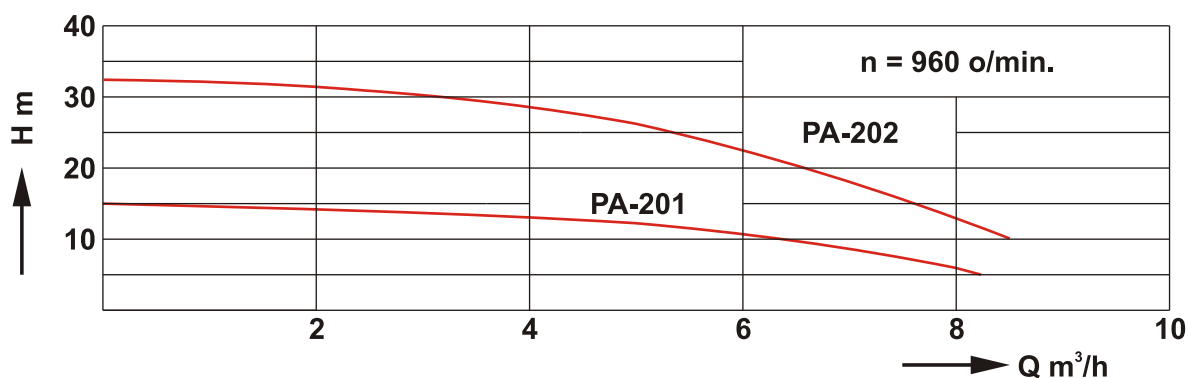
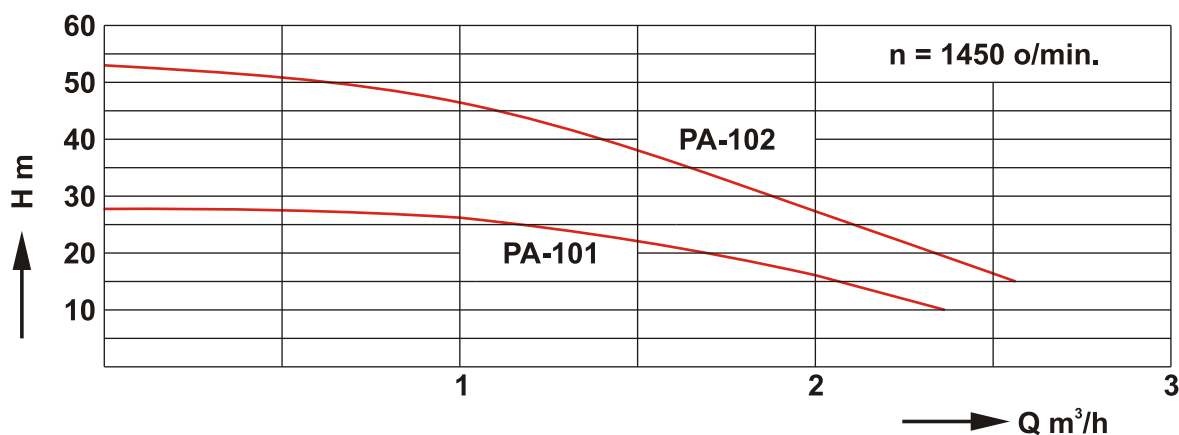
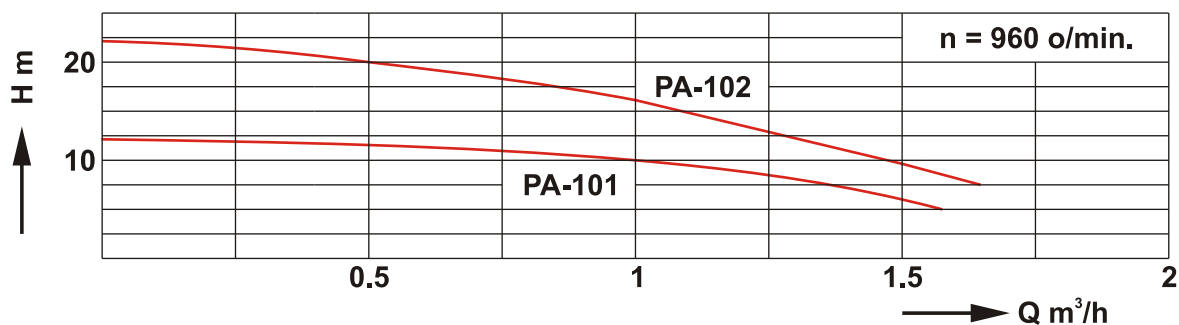
- Pump to be mounted at least 1 m under the minimal level of the working medium;
- Suction filter fineness 0.2 to 0.4 mm, shut off valve and vakuum meter to be mounted in suction pipeline.
- Shut off valve, non return valve and air plug to be mounted in delivery pipeline.

MJERNA SKICA

Dimension scheme



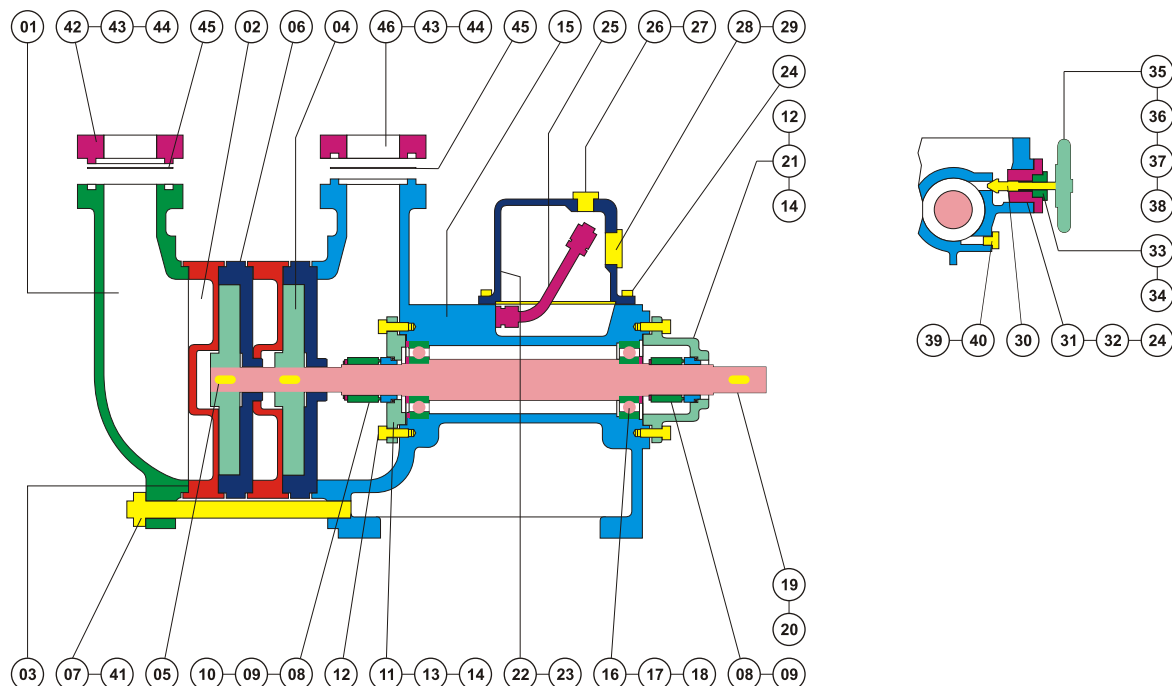
TIP PUMPE Pump type	VEL. MOTORA Motor size	SNAGA Power kW	BR. OKRET. (o/min.) RPM	DN	A	B	B1	C	C1	C2	E1	E2	H	H1	H2	H3	L	L1	L2
PA 101	80 A-6	0.37	900	40	125						150						744	514	230
	80 A-4	0.55	1390			240	200	320	30	260		44	345	150	130	65	784		
PA 102	80 A-6	0.37	900		165						189						781	554	227
	90 S-4	1.1	1390														952		
PA 201	100 L-6	1.5	910	50	168						179						952	647	305
	100 LB-4	3.0	1400			270	230	420	40	340		50	408	185	158	65	1034		
PA 202	100 L-6	1.5	910		230						241						1126	729	397
	132 S-4	5.5	1430																



PRESJEK SA POPISOM POZICIJA

Cross section with item list

K. 1032
02/2004



POZ.	NAZIV	NAME	KOM / PCS	
			PA-101/201	PA-102/202
01	Tlačni poklopac	Pressure cover	1	1
02	Spiralno kućište	Spiral case	1	2
03	Brтва	Gasket	3	5
04	Rotor	Rotor	1	2
05	Klin	Key	1	2
06	Kućište rotora	Rotor case	1	2
07	Svorni vijak	Bolt	6	6
08	Mehanička brtva	Mechanical seal	2	2
09	Podloška	Washer	2	2
10	Uskočnik	Circlip	1	1
11	Poklopac	Cover	1	1
12	Imbus vijak	Socket head screw	8	8
13	Prsten	Ring	1	1
14	Brтва	Gasket	2	2
15	Kućište pumpe	Pump case	1	1
16	Kuglični ležaj	Ball bearing	2	2
17	Prsten	Ring	2	2
18	Uskočnik	Circlip	2	2
19	Osovina	Shaft	1	1
20	Klin	Key	1	1
21	Poklopac	Cover	1	1
22	Poklopac	Cover	1	1
23	Brтва	Gasket	1	1
24	Imbus vijak	Socket head screw	12	12
25	Odzračni priključak	Air release connection	1	1
26	Čep	Plug	1	1
27	Brтва	Gasket	1	1
28	Uljudkaz	Oil level indicator	1	1
29	Brтва	Gasket	1	1
30	Vreteno	Spindle	1	1
31	Uložak	Insert	1	1
32	Brтва	Gasket	1	1
33	Matica	Nut	1	1
34	O - prsten	O - ring	2	2
35	Točak	Hand wheel	1	1
36	Zatik	Pin	1	1
37	Podloška	Washer	1	1
38	Vijak	Screw	1	1
39	Čep	Plug	1	1
40	Brтва	Gasket	1	1
41	Matica	Nut	6	6
42	Prirubnica	Flange	1	1
43	Vijak	Screw	8	8
44	Matica	Nut	8	8
45	Brтва	Gasket	2	2