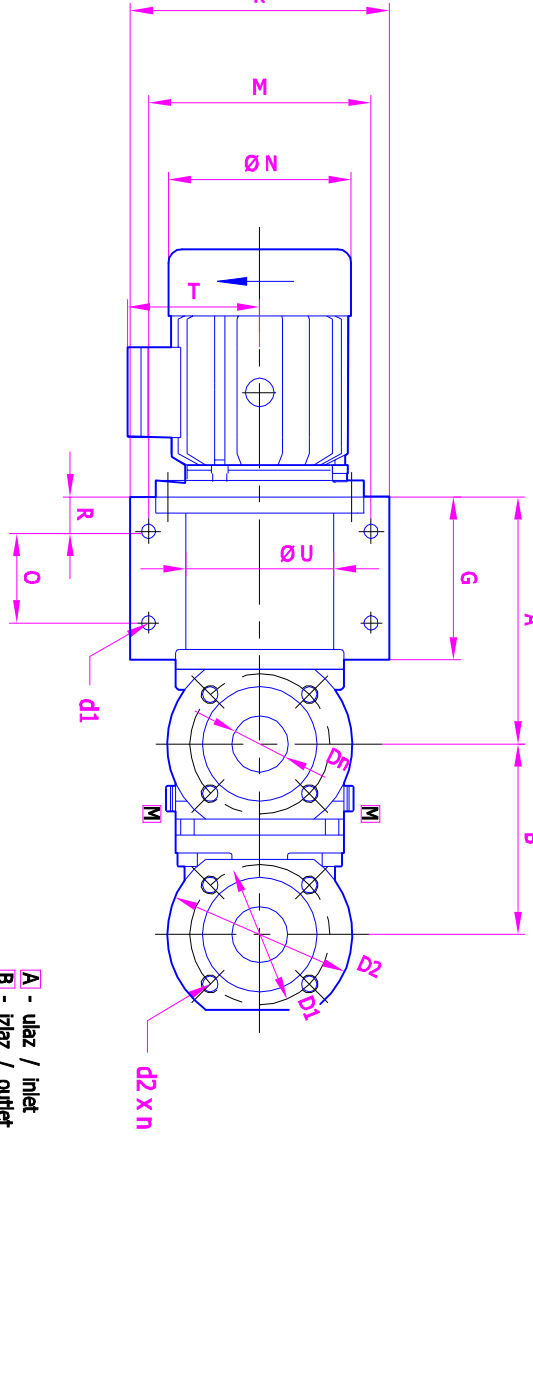
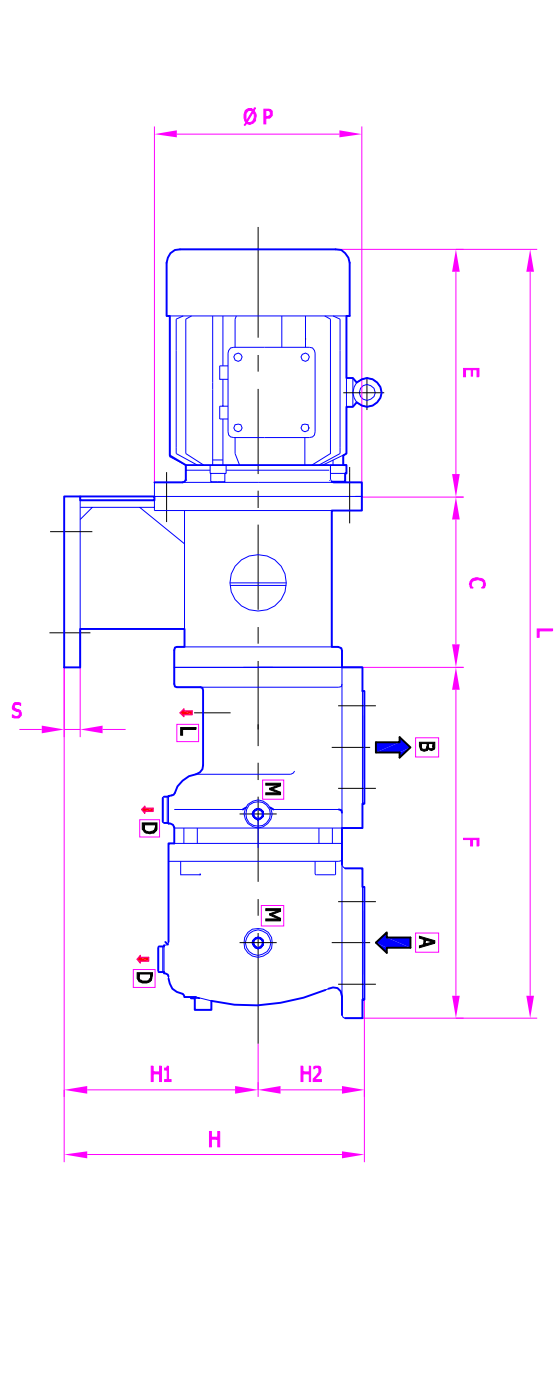




Mjere u mm / Dimensions in mm

Vel. E.M. E.M. size	A	B	C	Dn	D1	d1	D2	d2xn	E(max)	F	G	H	H1	H2	K	L(max)	M	N	O	P	R	s	T	U	Mass kg Mass
PAS - 45 - 2_M																									
90	175		97						275							676	176		200				130		50
100	170		107	50	125	18	165	M16x4	305	304	160	265	170	95	250	716	210	194	120	250	20	18	160	140	63
112	200								323							734	218			250			172		74
PAS - 52 - 2_M																									
90	200		112						275							727	176		200				130		x
100	245	190	122	65	145	18	185	M16x4	305	340	170		275	170	105	250	767	194	130	250	20	18	160	168	x
112									323							785	210	218					172		x
132	245		143						397				330	225		880		258		300			168		x
PAS - 60 - 2_M																									
100	228		117						305							807	194		250				160		90
112	205		80	160	18	200	M16x8	323	385		160	282	170	112	250	825	210	218		20	18	172	168	102	
132	248		137						435		180	312	200		300	957	250	258	140	300			168		125

VIJČANE PUMPE TIP A PAS Screw pumps type PAS



Description - working characteristic for pumps

Primjena

Za manipulaciju sa podmazivim fluidima, koji ne sadrže abrazivne supstance. Fluidi - ulja za podmazivanje, laka i teška goriva, hidraulička ulja, emulzije i sl.

Konstrukcija

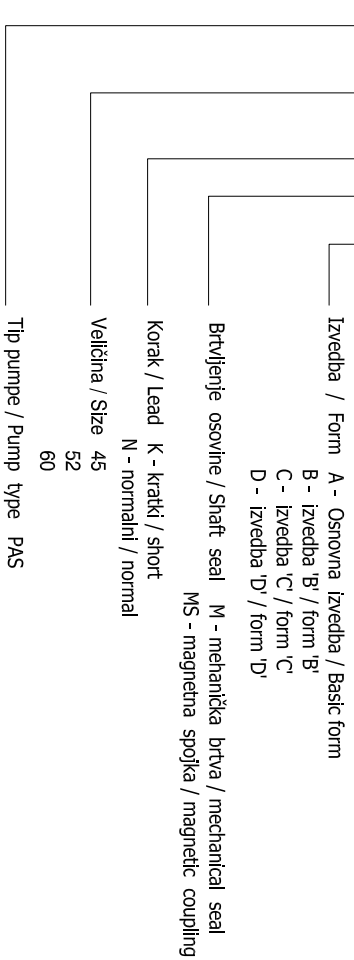
Samousisna trovretna vijčana pumpa sa montažnom priručnicom. Pogonski vijak se standardno brtvi mehaničkom brtvom. Na zahtjev je moguća izvedba pomoću magnetne spojke, pri čemu je pumpa hermetički izolirana. Rotacija se sa pogonskog motora na pogonski vijak pumpe prenosi posredstvom permanentnih magneta, bez mehaničkog kontakta. Pogonski vijak je ulješten u vanjski kuglični ležaj, jednostrano zatvoreni, podmazivan mašću, koja se periodički dopunjuje pomoću mazalice. Druga strana je zatvorena osovinškom brtvom, koja ujedno sprečava i prodor radnog fluida u ležaj u slučaju kada procuti mehanička brtva. Između ležaja i mehaničke brtve je prstenasta komora koja ima zadatak da spreči rasprskavanje i nekontrolirano isjecanje fluida u slučaju kada procuti mehanička brtva. Na komori postoji navojni priključak za kontrolu curenja, tako da prigradnjom čevčice možemo iscurjelu tekućinu odvesti privremeno u priručnu posudu. Kućište pumpe je dvostrajeno i može se zakretati tako da su ulazni i izlazni priključak međusobno pod 0°, +/-90°, 180°. Uložak pumpe je lako izmjenjiv i sa radnim vijcima predstavlja rezervni radni set. U usisnu komoru je ugrađen ventili za ograničenje tlaka. Pogoni se najčešće sa elektromotorom direktno ili preko reduktora, kao i reguliranim pogonom pomoću frekventnog regulatora broja okretaja. Na zahtjev je moguć pogon hidromotorom, pneumatskim motorom i diesel / benziskim motorom.

Radne karakteristike

- Protok50 - 560 l / min. ;
- Ulazni tlak..... do 7 bar ;
- Izlazni tlak..... do 16 bar ;
- Diferencijalni tlak do 10 bar ;
- Radna temperatura - 20 do 180 °C ;
- Viskozitet standardno 3 do 1500 cSt.

Označavanje / Coding system

PAS - 52 - 2 N M . A



Application

For manipulation of lubricating fluids which don't contain abrasive substances like - lubrication oils, light and heavy fuel oils, hydraulic oils, emulsion etc.

Design

Self-priming, three screw pump with mounting flange. Main working screw is standardly sealed with mechanical seal. Also is available on request performance with magnetic coupling where the pump is hermetically tight. Power transfer from driving motor to pump working screw is transferred by means of powerful permanent magnet without contact. Working screw is supported by outside ball bearing, single side closed, lubricated with grease periodically supplied by grease gun. Other side is closed by shaft seal wich also prevents penetration of working fluid in bearing in case of mechanical seal leakage. There is connection on chamber for leaking control - by mounting of suitable pipe, fluid can be led to temporal container. Pump casing is designed in two pieces and can be turned around so suction and pressure connection are 0°, +/-90°, 180° one to each. Insert pump is easily replaced and together with working screws make spare working set. In suction chamber is placed pressure relief valve. The pump is usually driven by electric motor or by reducer, also by frequency speed controller. On request is possible by hydraulic motor, pneumatic motor or diesel and gasoline motor drive.

Working characteristics

Flow.....50 - 560 l/min. ;

Inlet pressure.....up to 7 bar;

Outlet pressure.....up to 16 bar;

Differential pressure.....up to 10 bar;

Working temperature..... - 20 to 180°C;

Viscosity.....standardly 3 to 1500 cSt.

Working performances

VELIČINA Size	DIF. TLAK Different. pressure bar	20 cSt		400 cSt		20 cSt		400 cSt	
		PROTOK Flow l / min.	SNAGA Power kW	PROTOK Flow l / min.	SNAGA Power kW	PROTOK Flow l / min.	SNAGA Power kW	PROTOK Flow l / min.	SNAGA Power kW
45 - 2K	5	50	0.7	59.3	1.25	63	0.87	72.3	1.43
	10	45	1.2	58.2	1.92	58	1.5	71.2	2.1
45 - 2N	5	62.4	0.9	74	1.4	78.7	1.02	90.4	1.72
	10	56.1	1.5	72.7	2.1	72.4	1.88	88.9	2.6
52 - 2K	5	80.5	1.1	92.3	1.67	100.7	1.3	112.4	2.13
	10	74.4	1.9	90.8	2.5	94.5	2.3	111	3.12
52 - 2N	5	107	1.4	121.6	2.2	125.9	1.64	140.5	2.6
	10	99.3	2.5	119.9	3.3	118.2	2.9	138.7	3.9
60 - 2K	5	130	1.6	143	2.5	152	1.8	166	2.8
	10	121	2.8	141	3.7	143	3.2	164	4.2
60 - 2N	5	160	2	178	3.1	188	2.3	207	3.4
	10	150	3.6	176	4.7	177	4	205	5.2
1450 RPM									
45 - 2K	5	82.6	1.1	91.9	1.9	102.2	1.41	111.5	2.46
	10	77.6	1.9	90.8	2.8	97.2	2.38	110.4	3.47
45 - 2N	5	103.2	1.4	114.9	2.4	127.6	1.76	139.3	3.08
	10	96.9	2.4	113.5	3.5	121.4	2.97	137.9	4.35
52 - 2K	5	131	1.7	142.6	2.9	178.7	2.3	190.3	4
	10	124.8	3	141	4.2	172.5	3.9	188.9	5.7
52 - 2N	5	163.7	2.1	178.3	3.6	201.4	2.7	216	4.6
	10	156	3.7	176.5	5.2	193.7	4.52	214.2	6.5
60 - 2K	5	205	2.4	219	3.4	243	2.7	257	3.8
	10	196	4.1	217	5.2	234	4.9	255	6
60 - 2N	5	256	2.9	275	4.2	302	3.3	322	4.8
	10	245	5.2	272	6.6	291	6	319	7.5
2900 RPM									
45 - 2K	5	177.2	2.6	186.5	4.8	209.8	3.1	219.1	6
	10	172.2	4.2	185.4	6.5	204.8	5	217.5	7.9
45 - 2N	5	221.4	3.2	233.1	6	262.2	3.86	273.9	7.45
	10	215.2	5.2	231.7	8.1	256	6.2	272.5	9.9
52 - 2K	5	277	3.8	288.6	7.1	327.3	4.6	338.9	8.7
	10	270.7	6.3	287.2	9.7	321	7.5	337.5	11.8
52 - 2N	5	346	4.8	360	8.8	409	5.8	423.6	10.9
	10	328.5	7.9	358	12.1	401.3	9.4	421	14.7
60 - 2K	5	430	5.8	445	10.4				
	10	420	9.6	442	14.5				
60 - 2N	5	536	7.2	555	13				
	10	525	11.9	552	18				
3500 RPM									