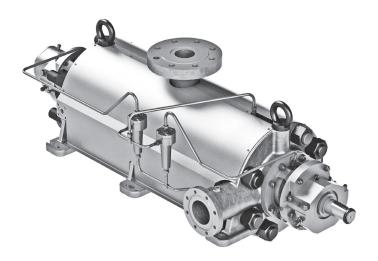




CNSp MULTISTAGE CENTRIFUGAL PUMPS BACK-TO-BACK DESIGN API BB4 type

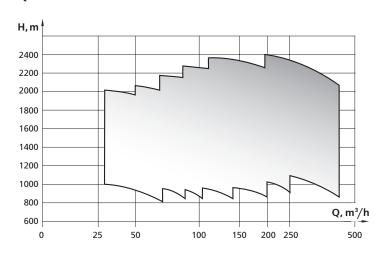


Lifetime

Depending on the pumped liquid the average operation lifetime amounts to:

- Mean time before repair, MTBR: over 40000 hours.
- Casing parts: over 30 years.

QH



Application

Water injection to maintain formation pressure at oilfields.

Pumped Liquid

H₂S content, mg/lup to 400

Design Features

- Horizontal, centrifugal, multistage, ring section pumps with back-to-back design and hydraulically balanced rotor.
- Flow transfer pipe between the stages groups.
- The max number of stages: 16.
- Rotor support by the sleeve bearings with oil bath or forced lubrication.
- Sealing options: API 682 mechanical seal or stuffing box.
- Flanges design according to DIN/ANSI/ISO.
- Nozzles location: suction nozzle horizontally directed, discharge nozzle - vertically upward.
- Cyclone separators (optional, heightened solids content water only) for mechanical seals.
- Elastic diaphragm coupling to reduce vibration and requiring no maintenance.
- Fully interchangeable by connecting sizes with CNS inline type pumps, apart from the discharge nozzle location.

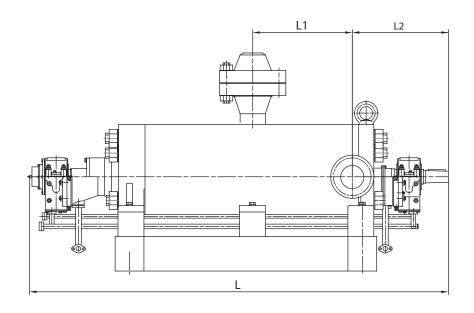
Materials

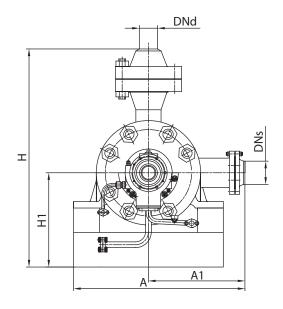
Duplex SS

- Casing Duplex SS, GX2CrNiMoCuN-25-6-3-3;
- Flow part (impeller and diffuser) Duplex SS, GX2CrNiMoCuN-25-6-3-3;
- Shaft Duplex SS, X2CrNiMoN-22-5-3;
- Seals Duplex SS with special surfacing.

Superduplex SS

- Casing Superduplex SS, GX2CrNiMoN-26-7-4;
- Flow part (impeller and diffuser) Superduplex SS, GX2CrNiMoN-26-7-4;
- Shaft Superduplex SS, X2CrNiMoCuWN-25-7-4;
- Seals Superduplex SS with special surfacing.





SPECIFICATIONS															
Pump	Capacity, m³/h	Head, m	NPSH, m	Efficiency, %	Motor, kW*	Rotation speed, rpm	DNs	DNd	Α	A1	Н	H1	L	L1	L2
CNSp45-1050-2	45	1050	5	51	500	3000	150	125	1230	670	1425	565	2402	594	
CNSp45-1422-2		1422			630						1515	655	2782	784	
CNSp45-1900-2		1900			800								3162	974	
CNSp63-1050-2	63	1050	5,5	58	500						1425	565	2402	594	
CNSp63-1422-2		1422			630						1515	655	2782	784	74 94 84 74 94 84 74 94 84 94 84
CNSp63-1900-2		1900			1000								3162	974	
CNSp90-1050-2	90	1050	6	62	630						1425	565	2402	594	
CNSp90-1422-2		1422			800						1515	655	2782	784	
CNSp90-1900-2		1900			1000								3162	974	
CNSp120-1050-2	120	1050	7	73	800						1425	565	2402	594	
CNSp120-1422-2		1422			1000						1515	655	2782	784	
CNSp120-1900-2		1900			1250								3162	974	
CNSp180-1050-2	180	1050		77	800						1425	565	2402	594	
CNSp180-1422-2		1422			1250						1515	655	2782	784	
CNSp180-1900-2		1900			1600								3162	974	
CNSp240-1050-2	240	1050	8	78	1000						1425	565	2402	594	
CNSp240-1422-2		1422			1250						1515	655	2782	784	
CNSp240-1900-2		1900			1600								3162	974	
CNSp315-1050-2	315	1050	9	81	1600		200	150	1275	685	1635	675	2354	594	640
CNSp315-1422-2		1422			2000								2639	784	
CNSp315-1900-2		1900			2500								3019	974	

^{*}Motor power is given for the liquid density value of 1000 kg/m 3

Scope of supply, options, and any custom solutions are the subject of prior confirmation before order placement. Manufacturer: Public JSC «NASOSENERGOMASH Sumy» (HMS Group).

Be our Partner

We are looking for experienced dealers & distributors to sell products and services of HMS Group. Please forward your queries to contact details below:

12, Aviakonstruktora Mikoyana str., Moscow, 125252, Russia. Phone: + 7 (495) 664 8171. Fax: + 7 (495) 664 8172. E-mail: hydro@hms.ru www. grouphms.com www. hms.biz