

صنایع پمپ سازی نوید سهند

Navid Sahand Co.



NSP Co.

سازنده انواع پمپ های صنایع نفت، گاز و پتروشیمی

Manufacturer of Oil, Gas & Petrochemical Pumps

HEAVY DUTY PUMP

According to API 610
Type BB3



Tehran sales office: Unit 15, 4th East Floor, Arian Tower, # 228, Mirdamad-Blvd., Tehran- Iran

Tel : (+9821) 22258285~7 Fax: (+9821) 22258288

Tabriz office: No. 27, Golgasht St., Azadi Ave., Tabriz- Iran

Tel: (+98411) 3358163 - 3355481 - 3354210 Fax: (+98411) 3361859

Web Site: www.NavidSahand.com

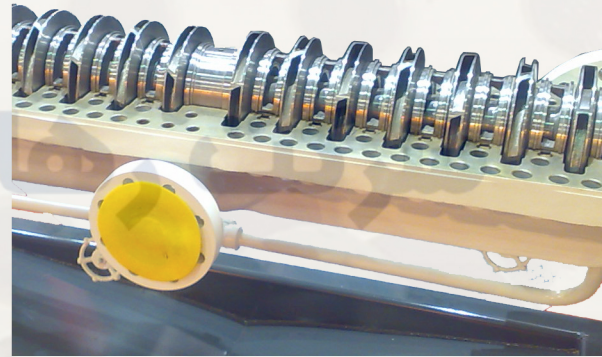
Email: Info@NavidSahand.com

دفتر مرکزی: تهران، بلوار میرداماد، برج آرین، پلاک ۲۲۸، طبقه چهارم شرقی، واحد ۱۵
تلفن: ۰۲۱-۲۲۲۵۸۲۸۵-۷ فاکس: ۰۲۱-۲۲۲۵۸۲۸۸

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تلفن: ۰۳۳۵۵۴۸۱ - ۳۳۵۴۲۱۰ - ۳۳۵۸۱۶۳ فاکس: ۰۴۱۱) ۳۳۶۱۸۵۹

Design specifications:

- *Horizontal, axially split multi stage pump*
- *Dual volute, with overflow return channels*
- *Stiff shaft supported by internal, product lubricated sliding bearings*
- *Opposed side suction and discharge nozzles in bottom half of the casing*
- *Dismantling without breaking pipe lines*
- *Mechanical seal (single, double, tandem)*



Applications:

Pumping of:

- *Crude oil*
- *Petrochemical products*
- *Seawater*
- *Feed water*

Exploitation:

- *Pipeline pumps*
- *Injection pumps*

Advantages:

- *Control of all clearances and setting due to inner case design*
- *Only one external high pressure seal*
- *High compensation of hydraulic axial thrust*
- *Small axial thrust bearing*
- *Lower leakage loss through piston, resulting in higher efficiency*
- *Dynamically balanced rotating assembly*
- *Higher critical speed due to the supporting effect of centre stage piston*
- *Impeller shaft and wear parts remove as complete unit*
- *Easy to inspect*

Maximum Head	Up to 2000 m
Shaft seal type	Gland packing, Mechanical seal
Maximum discharge-side pressure	150 bar
Maximum drive rating	3300 kW
Maximum flow rate	3200 m ³ /h
Minimum flow rate	80 m ³ /h
Maximum speed of rotation	3500 1/min
temperature	-20 to 200 °C