

# INFORMATION LETTER

№ 269/HK

Date: 08.09.2015

From: Hramov A.M.

E-mail: [info@nkmz.com.ru](mailto:info@nkmz.com.ru)



LLC «Neftekamsk Machinery Plant»

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Leninsky avenue 15A, Moscow, Russia, 119071  
Phone/Fax: +7 (495) 287 08 25

**Neftekamsk office:**

Magistralnaya street 19, bld. 1, Neftekamsk, Russia, 452683  
Phone/Fax: +7 (34783) 2-11-99, +7 (34783) 2-04-82

Email: [info@nkmz.com.ru](mailto:info@nkmz.com.ru)

**Dear Sirs,**

Neftekamsk Machinery Plant Ltd. (NKMZ) is interested to supply high-pressure pumps equipment for the Your upstream and downstream projects: for oil, oil product and water transportation (BB1 API 610), multi-section pumps (BB3, BB4 API 610) and barrel pumps (BB5 API 610). Supplying of pump equipment is possible with long post-payment (up to 36 month) and using of scheme of financial leasing (up to 7 years).

NKMZ Ltd. is 100% Russian production company, all designs are protected by patents with Russian and international priority. Equipment is produced according to the international standards (NORSOK, API 610, etc.) and is used as import substitution in Russia of the following companies:

- Sulzer (Switzerland);
- Flowserve (USA);
- ITT (USA);
- Ruhrpumpen (Germany);
- Termomeccanica (Italy);
- Ebara (Japan);
- KSB (Germany);
- Sigma (Czech Republic);
- Apollo Goessnitz (Germany).

In 2015 NKMZ starts his new state-of-art NKMZ Testing and Research Complex (NKMZ T&R Complex), which is similar to five largest pump Testing Facilities in the world. NKMZ T&R Complex provides different types of testing and application researches for different pump types, including certification and special test menu for strict customer requirements. NKMZ T&R Complex provides certification of pump equipment with capacity till 25 [MW], flow rate till 23 000 [m<sup>3</sup>/h] and water temperature till +80 [C<sup>0</sup>].

Maximum technical characteristics of pump equipment, which NKMZ can provide and certificate are the following:

- Flow rate 23 000 [m<sup>3</sup>/h];
- Head 3000 [m] (till the end of 2015 we plan to finish modernization for pump equipment with head up to 6000 [m] for deep water offshore projects);
- Up to 6800 [rpm].

The biggest part of our equipment is produced according to the individual orders and totally according to the customer needs (minimum cost price, maximum long-life and performance).

Also NKMZ Ltd. produces equipment according to the general designer of the construction documentation requirements already agreed import equipment as import substitution. We design pump equipment according to the traditional Russian standards named GOST, and for the international market according to the NORSOK, API, ASTM, ASME. Biggest part of our design documentation is produced as bilingual (Russian-English) for comfort work on international market.

NKMZ Ltd. can offer the following types of pump equipment:

### **1. Pump Units type NMPP Series (type BB1)**

Main Application: Refined product and crude oil pipelines; Onshore cooling water; Offshore seawater; FPSO offloading; Closed cycle cooling; Tank Farm boosting; Any other high flow, high head application.

- Flow rate – from 600 till 13 500 [m<sup>3</sup>/h];
- Head – from 70 till 500 [m];
- Up to 3600 [rpm].

### **2. Pump Units type NPG Series (type BB1)**

Main Application: Refined product and crude oil pipelines; Tank Farm boosting; FPSO offloading; Any other high flow, high head application.

- Flow rate – from 500 till 7 000 [m<sup>3</sup>/h];
- Head – from 60 till 180 [m];
- Up to 1 500 [rpm].

### **3. Pump Units type SE Series (type BB1)**

Main Application: Water transport; Pumped hydro storage; Boiler feed boosting; Irrigation; Any other high flow, high head application.

- Flow rate – from 600 till 13 500 [m<sup>3</sup>/h];
- Head – from 70 till 500 [m];
- Up to 3 600 [rpm].

### **4. Pump Units type NPN Series (type BB3)**

Main application: Refined product pipeline; Liquefied Petroleum Gas (LPG) pipeline and CO<sub>2</sub> injection; Boiler feed in all industries; Water injection; High-pressure in general industry.

- Flow rate – from 60 till 2 000 [m<sup>3</sup>/h];
- Head – from 500 till 2 000 [m];
- Up to 3 600 [rpm].

### **5. Pump Units type TSNS Series (type BB4)**

Main Application: Boiler feed in all industries; Condensate extraction service in power stations and industrial power plants; High-pressure unit charge in refining; Liquefied Petroleum Gas (LPG) pipeline and CO<sub>2</sub> injection; Onshore and offshore waterflood; High-pressure in general industry.

- Flow rate – from 40 till 440 [m<sup>3</sup>/h];
- Head – from 600 till 2 800 [m];
- Up to 3 600 [rpm].

### **6. Pump Units type PE Series (type BB5)**

Main application: Boiler feed in all industries; High-pressure unit charge in refining; Ethylene shipping; Onshore and offshore waterflood; Offshore crude shipping; High-pressure in general industry.

#### **ООО НЕФТЕКАМСКИЙ МАШИНОСТРОИТЕЛЬНЫЙ ЗАВОД**

Российская Федерация, 452680, г. Нефтекамск, Магистральная улица, дом 19, стр. 1.  
Тел.: (8-34783) 2-11-99, Email: info@nkmz.com.ru

- Flow rate – from 100 till 1 000 [m3/h];
- Head – from 600 till 4 200 [m];
- Up to 6 800 [rpm].

NKMZ can provide wide range of pump parts materials – from Carbon Steel and basic Stainless Steels till GX2CrNiMoN 26-7-4 (Super Duplex). Working lifetime of flow part (impellers and diffusers) from Super Duplex – from 40 000 till 80 000 hours (the lifetime depends on the type of pumped liquids) with Efficiency loss not more than 0.5% during 8750 hours of work or 1 year.

We invite Your Company Representatives to visit your production facility located in Neftekamsk City, Republic of Bashkortostan, Russia at any convenient time for the discussion of possible partnership in the field of acceptance NKMZ as pump equipment supplier and use of our T&R Complex for repairing and testing of current working pump equipment.

We also ask you to consider the opportunity of a visit of our engineers to make presentation (Russian or English) for the Your specialists at a convenient time.

Thank you in advance for your attention and look forward to long cooperation.

The responsible persons to work with are the following:

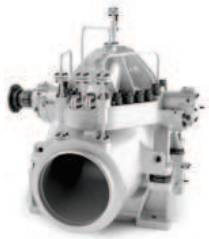
1. Demko Nikolay Mykhailovich, mob. +7 915 274 11 46, [ndemko@yandex.ru](mailto:ndemko@yandex.ru)
2. Kashintsev Vitaly Nikolaevich, w. + 7 495 211 83 59, [vnk77@yandex.ru](mailto:vnk77@yandex.ru)

Brochures and promotional information are attached.

Kind Regards,  
General Manager NKMZ Ltd.

Hramov A.M.





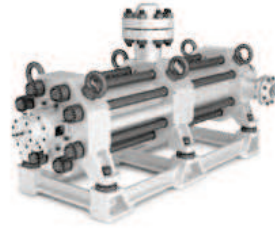
1 NMPP series



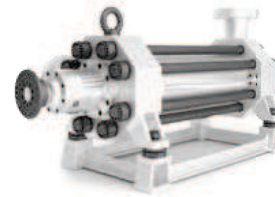
2 NPG series



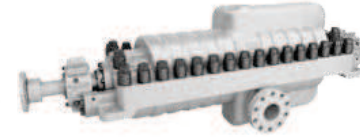
3 SE series



4 TSNS series



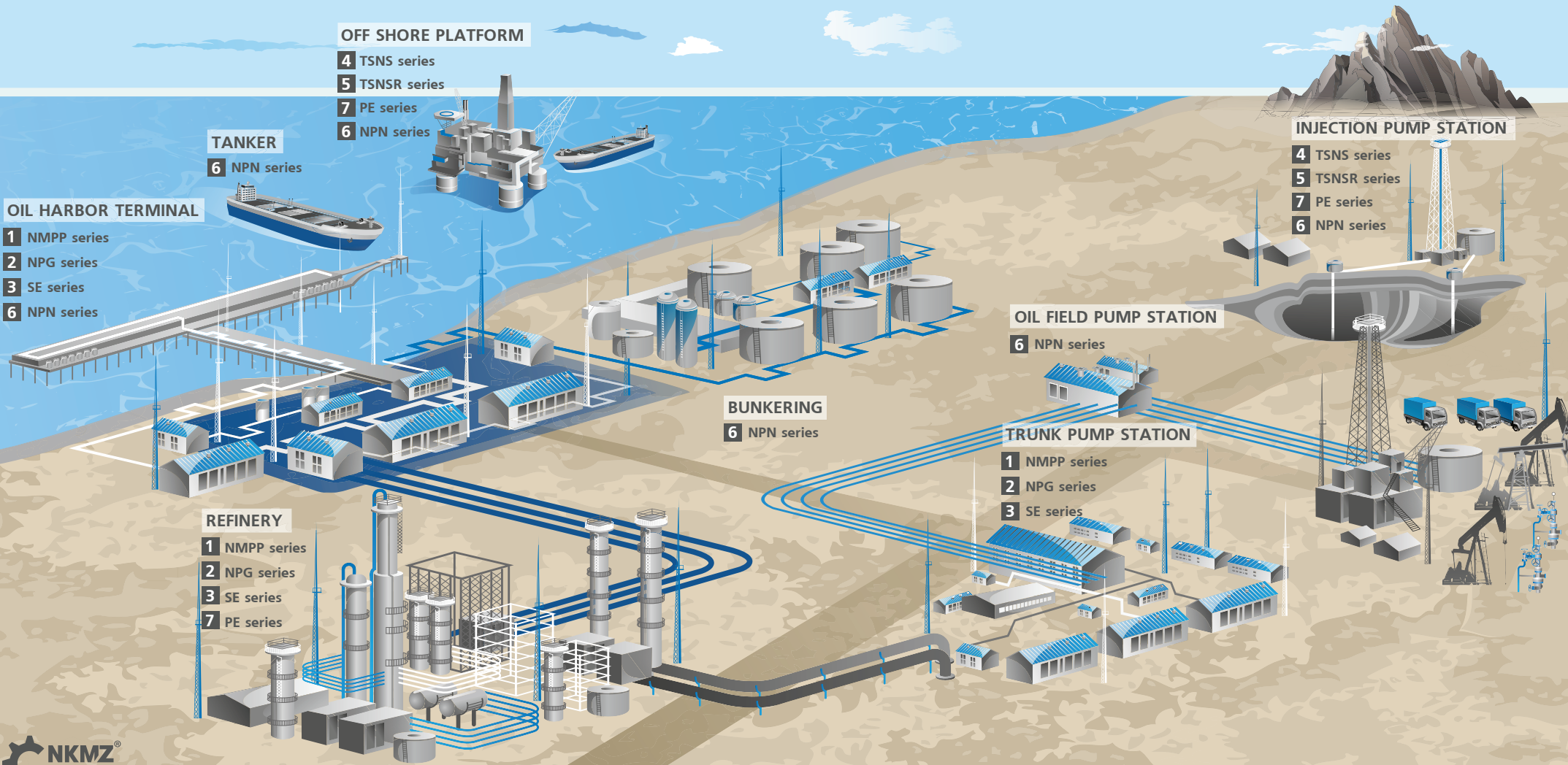
5 TSNSR series

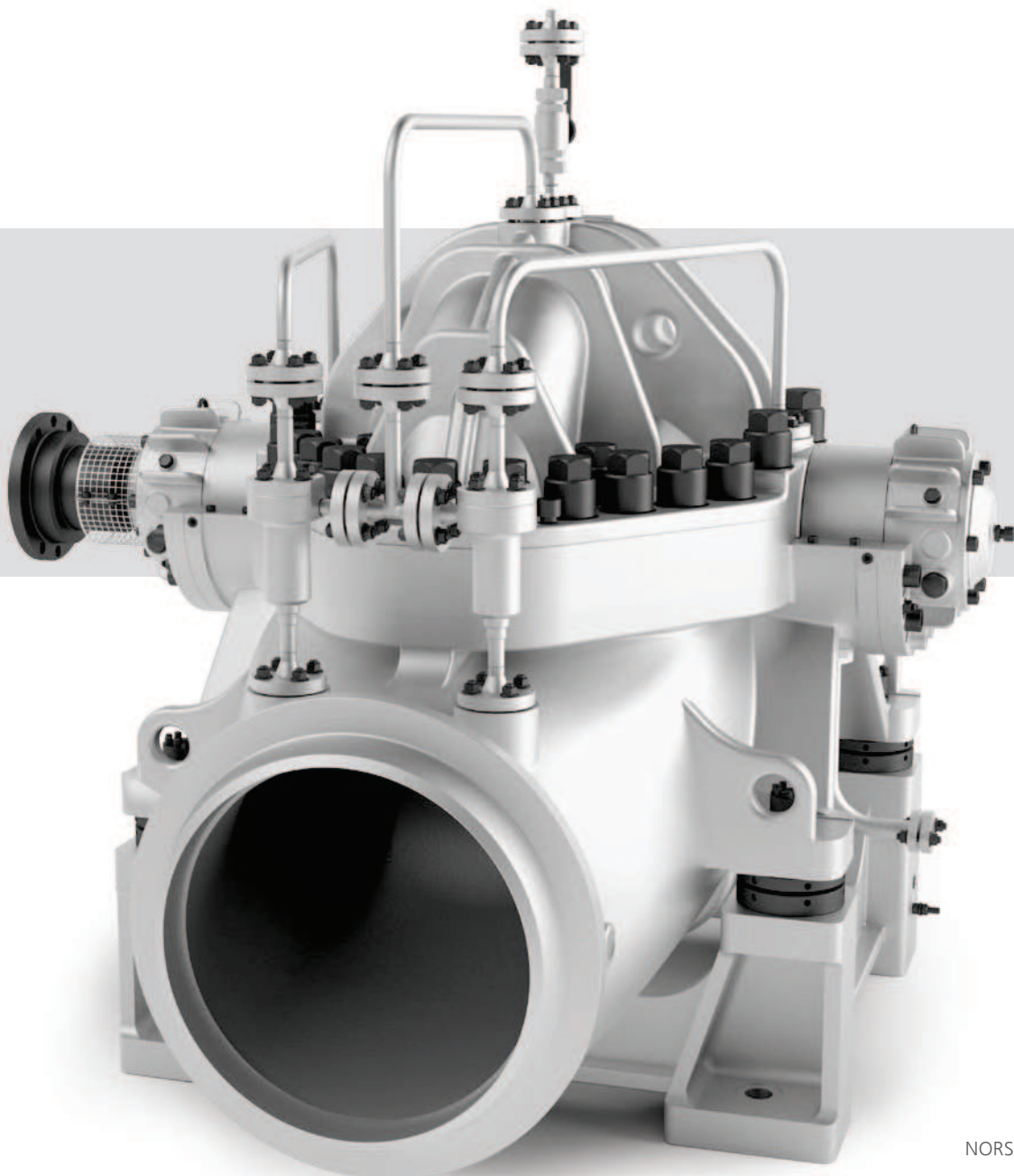


6 NPN series



7 PE series





# NMPP SERIES

for crude oil and oil products transportation by  
main and industrial pipelines



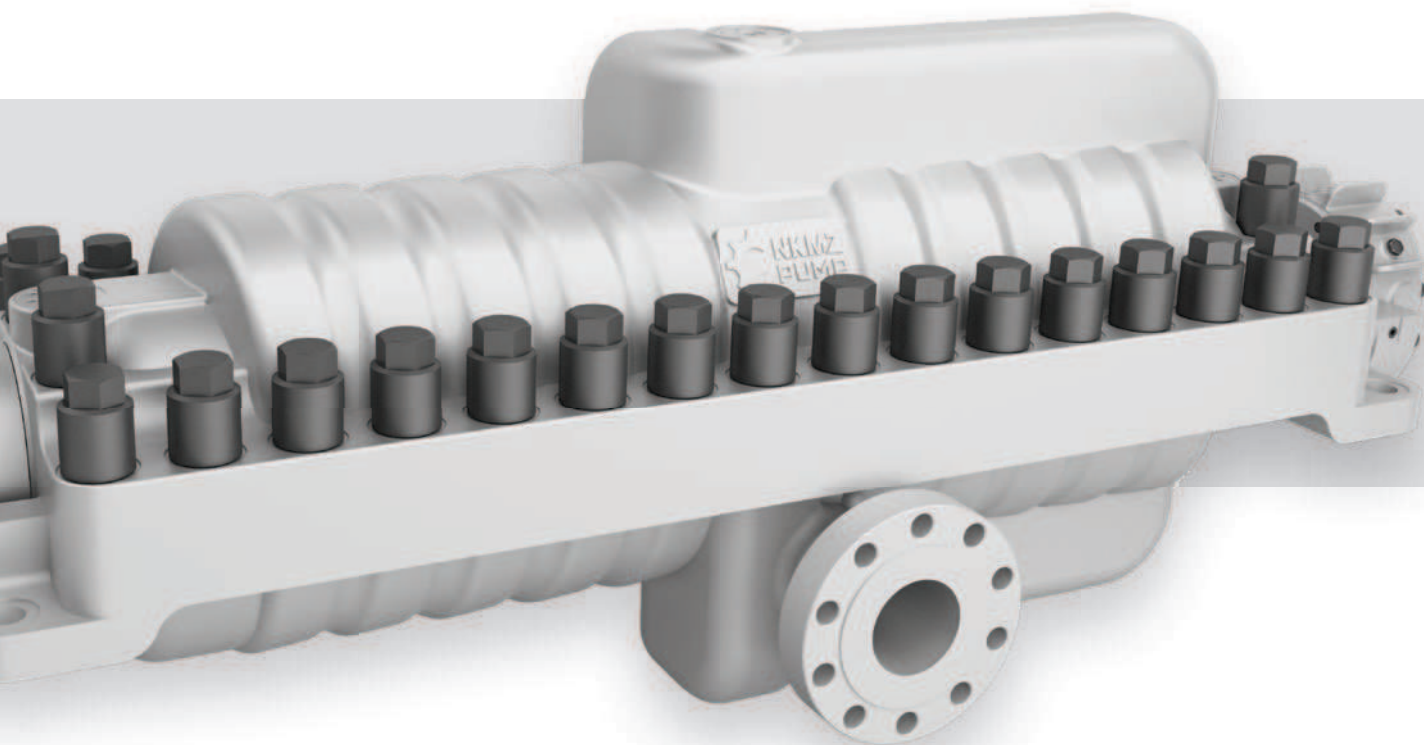
# TSNS SERIES

high pressure pump for water,  
seawater and produced water injection



# NPG SERIES

**for crude oil and oil products transportations  
by main and industrial pipelines  
Type BB1 ISO 13709/API 610**



# NPN SERIES

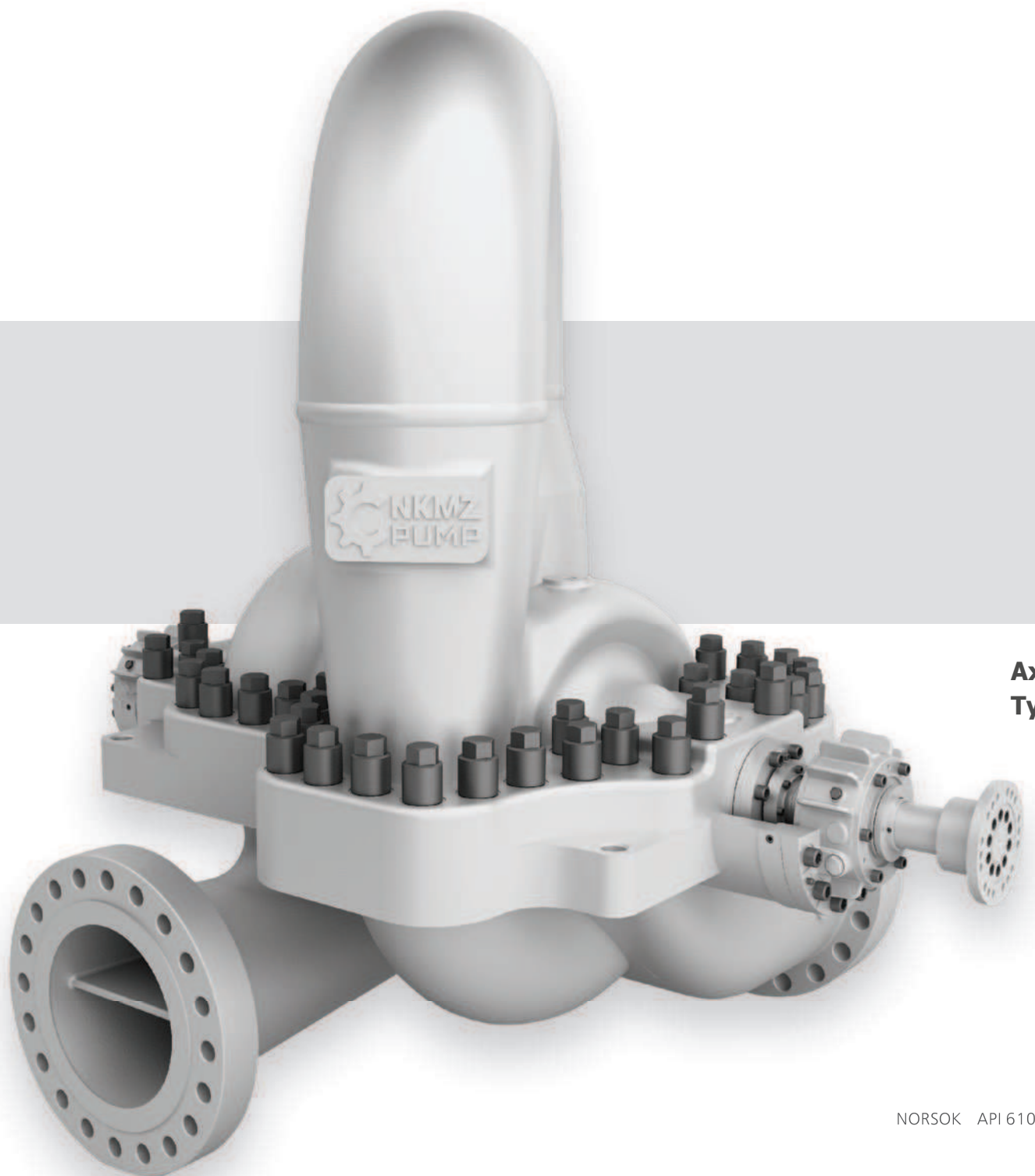
**Medium pressure Stage Casing Pumps  
Type BB3 ISO 13709 / API 610**





# SE SERIES

**Axially-split 1- and 2- stage Centrifugal Pumps  
Type BB1 ISO 13709 / API 610**





# PE I SERIES

**Radially split Multistage Double casing Pumps  
(Barrel Pumps)  
Type BB5 ISO 13709 / API 610**