

Center of modern hydraulics

www.nak.ua



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Official distributor



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INDUSTRIAL-TRADING COMPANY NAK LTD

We propose

A wide range of hydraulic equipments for the enterprises of machine-building, metallurgical, chemical, wood working, mining, agricultural, and energy industry.

Our business

Development and implementation of solutions based on hydraulic components of leading companies combined with experience and the latest technologies.

We produce and design

Hydraulic cylinders, power packs, filtration systems, hydraulic seals, high pressure hoses of different technical difficulty, Centralized lubrication system, Component parts for hydraulic cylinders

Supply

Hydraulic tubes and tube fittings, filters, valves and components for hydraulic systems, hydraulic pumps and motors, hydraulic accumulators and coolers, components for pneumatic systems, hydraulic hose processing equipment, industrial hoses, fire-resistant and head-resistant materials

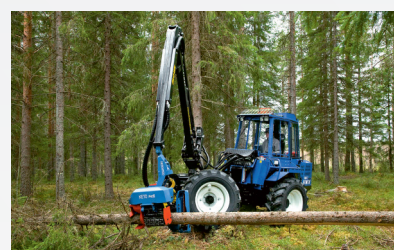
We have experience

In developing and modernizing hydraulic and lubrication systems projects; in seminars and trainings on installation and operation of hydraulic equipment themes.

Our advantages

The current quality management system in accordance with the international standard ISO 9001:2015; Experienced and qualified staff.

We are always one step ahead!



Hydraulic accumulators



- Diaphragm accumulators
Volume: from 0,075 l to 3.5. Working pressure: up to 250 bar
- Piston accumulators
Volume: up to 1500 l. Working pressure: up to 350 bar
- Bladder accumulators
Volume: up to 50 l. Working pressure: up to 350 bar

Fire-resistant and heat-resistant materials



The sleeves, tapes, fabrics.
We offer you defence for the hoses, cables, tubes, connectors, equipment and personnel from flame and high temperature impact, from metal spray and every hostile environment.
Resistant to flame and temperature impact:

- up to +260° C - continuously;
- up to +1090° C - 15-20 min.;
- up to +1650° C - 15-30 sec.

oil coolers



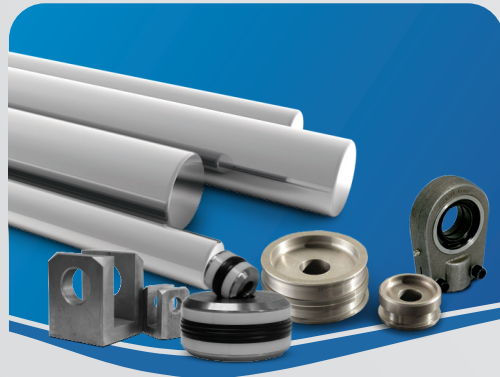
- Air coolers
- Water coolers
Capacity: up to 300 l/min.
Working pressure: up to 45 bar
Drive: electrical, hydraulic.

Norgren pneumatics



Qualitative pneumatic elements of Norgren group (Germany): valves, cylinders, air preparation units.

Components for hydraulic cylinders manufacturing



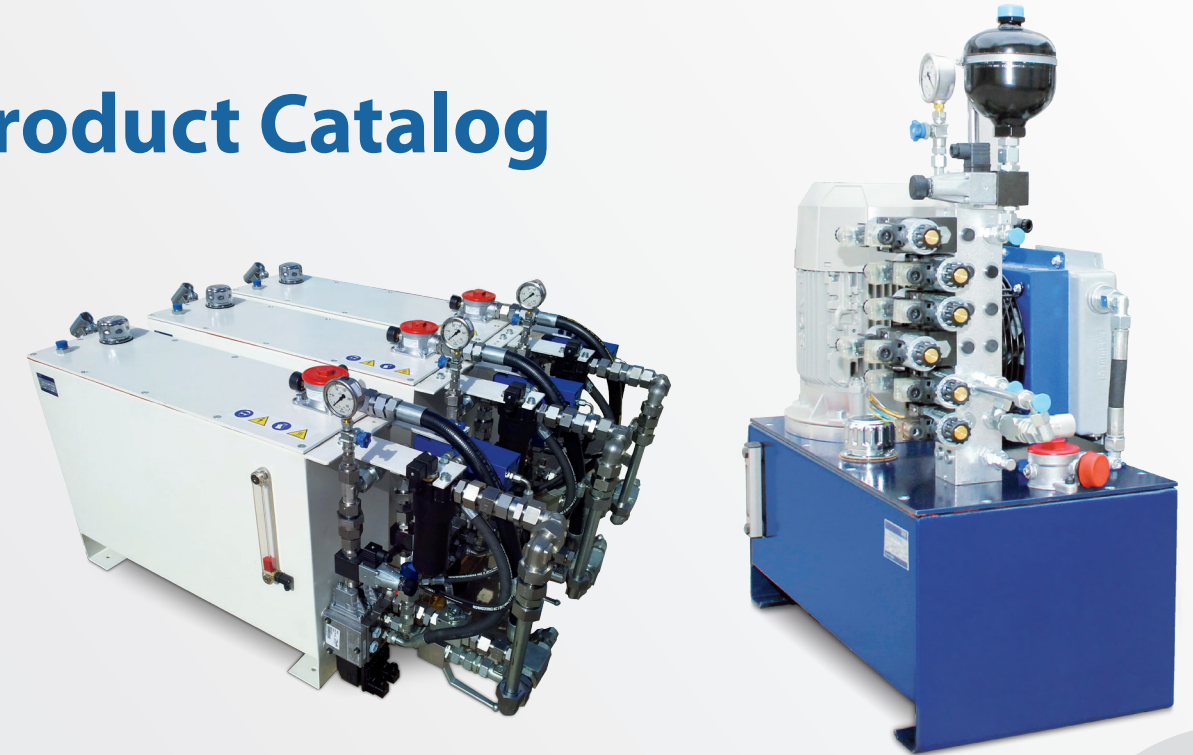
- Seamless and welded cylinder tubes
ID: 20 – 500 mm
- Chrome plated bars / tubes
OD: 4 – 350 mm
- Pilot boss, Ø 30 – 300 mm
- Piston, Ø 30 – 300 mm
- End caps, Ø 10 – 250 mm

HPH manufacturing equipment UNIFLEX



Equipment for manufacturing and repairing of reinforced hoses of Uniflex manufacturing (Germany).
There are cutting, skiving and crimping machines, test benches, cleaning machines, nipple inserters, marking machines.

Product Catalog

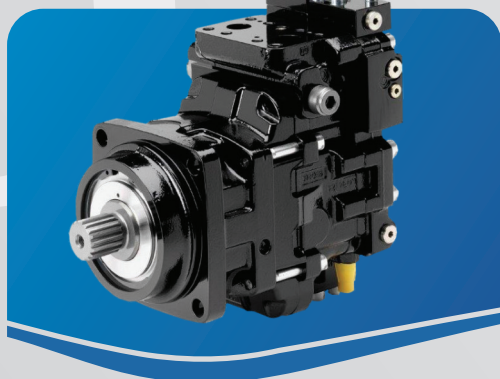


Power-packs

We design and produce power-packs for different industries according to individual requirements specification.

Power-packs are assembled with the following components: tanks, motors, pumps, filters, valves.
Working pressure: up to 420 bar
Capacity: up to 400 l / min

Hydraulic pumps and motors



- Hydraulic pumps and motors
- Working displacement: up to 800 ccm
- Working pressure: up to 420 bar
- Output speed: up to 4000 rpm
- Motors
- Working displacement: up to 800 ccm
- Working pressure: up to 420 bar
- Output speed: up to 4000 rpm
- Rotation power: up to 2500 Nm

Industrial valves



- Direction control valves
- Proportional control valves
- Pressure valves
- Flow valves
- Sandwich valves
- Accessories



Hydraulic cylinders

We design and produce hydraulic cylinders for different industries according to individual requirements specification.

- Working pressure: up to 700 bar
 - Diameters of bars: 4 - 350 mm
 - Diameters of pistons: 20 - 500 mm
 - Piston stroke: 8000 mm
- We provide technical support and service.

Advanced hydraulic solutions

Hydraulic seals



We design and produce hydraulic seals

- V-Packing Seals
- Wipers
- Rod and Piston Seals
- Rod and Piston Guide Rings
- O-Rings

Technical characteristics:

Working pressure: up to 700 bar
Working temperature: from -190 °C to +230 °C
Sliding speed: up to 15 m/sec.
Materials: NBR, PU, PTFE, FKM Vitton®, POM

Up to 580 mm O.D.

High pressure hoses, hydraulic fittings



- Hose type 1SN, 1ST, 2SN, 2ST according to DIN EN 853<
- Inside diameters: 5 - 51 mm; working pressure: 40 - 400 bar
- Hose type 4SP, 4SH, 3SP according to DIN EN 856
- Inside diameters: 12 - 51 mm; working pressure: 165 - 500 bar
- Polyflex hose type according to DIN 20022
- Inside diameters: 2 - 51 mm; working pressure: up to 4000 bar
- Connections STORZ and CAMLOCK characterized by ease of maintenance and construction.
- Materials: aluminum, brass (bronze) steel.

Low pressure hoses (Industrial)



There are a wide range of low pressure hoses for application in various industries. Continuous stocks replenishment by different diameters (5-400 mm) of industrial sleeves enable us to make the best decisions in the shortest possible time.
Connections STORZ and CAMLOCK
Inside diameters: 5 - 400 mm

Filtration units



Mobile and Fixed

Filtration Units are designed to purify the hydraulic systems and remove mechanical impurities from the oils.
Tolerable level of contamination is ensured, the long-term service performance and the high chemical resistance is guaranteed.

Centralised lubrication systems



The lubricating equipment ensures a longer service life of production capacities and a reduction of ongoing maintenance expenses.
Depending on your individual needs, we can supply both the single component and the whole lubrication system through preparing the complex technical.

Filters and cartridges (filter elements)



- Cartridges (Filter elements)
- Filtration ratings 3-1000µ
- Materials: inorganic fiber, stainless steel mesh, paper
- Pressure filters
- Working pressure: up to 600Bar
- Max. Flow: up to 2000 L/min
- Return-line filters
- Max. Flow: up to 2000 L/min
- Suction filters
- Mobile and stationary filtration units
- Max. Flow: 5-500 L/min
- Equipment for liquids measurement and diagnosis

Hydraulic tubes and tube fittings



- Seamless, precision, cold drowned tubes are used in hydraulic systems of industrial and mobile machinery.
- Outside diameters: 4 - 65 mm
- Wall thickness: 0,5 - 8 mm
- Quick coupling connectors according to DIN, SAE, ISO.
- Working pressure: up to 1000 bar
- Materials: galvanized steel, stainless steel, brass, plastics.
- There are pipe fittings according to DIN 2353, ISO 8434-6, SAE J514.
- Thread types: BSPP, BSPT, NPT, UNF, ORFS.
- Working pressure: up to 800 bar
- Materials: steel, stainless steel, aluminium, brass, copper