



HYDROSILA
HYDRAULICS YOU CAN TRUST



MANUFACTURER OF HYDRAULIC COMPONENTS



Quality

The company uses a full range of modern production technologies. Our quality management system conforms to ISO 9001 that allows to maintain an excellent quality level.

Price

Extensive experience, advanced production technologies and large production volumes give us an opportunity to offer the best prices on the market.

Experience

A leading manufacturer of hydraulic components for mobile machines with an experience of over 90 years. We export to over 50 countries.

Lead time

Extensive production capacities and well organized logistics through our Polish warehouse give our customers an opportunity to enjoy one of the shortest lead time in the market.

Contact
www.hydrosila.com




K-series

Displacement: group 1 - 1...10 cm³, group 2 - 4...28 cm³, group 2.5 - 16...45 cm³, group 3 - 20...90 cm³, group 4 - 63...200 cm³

Rated pressure - up to 250 bar

Max. pressure - up to 290 bar

Aluminum alloy gear pumps. Dimensions according to SAE, DIN, EUROPEAN, GERMAN standards. Multiple pumps available.

PROFIT-series

Displacement:

group 1 - 1...10 cm³,

group 2 - 4...28 cm³

Rated pressure - up to 230 bar

Max. pressure - up to 250 bar



Group 1 gear pumps are a specially designed solution for hydraulic power packs.

Group 2 gear pumps are a simple, reliable and cost-effective solution for agricultural machinery.


T-series

Displacement: group 3 - 34...100 cm³, group 4 - 63...150 cm³

Rated pressure - up to 290 bar

Max. pressure - up to 320 bar

Cast iron PTO gear pumps. Dimensions according to ISO and UNI standards. Multiple pumps available.

T-series gear pumps are interchangeable with OMFB NPH, LTH, HYVA Brite, Jihostroj QHD, Casappa Formula, Aber B3/B35 series, Hydrocar FZ0, FZ1, FZL, FZP, Bezares BEX, Kazel 30/40 series.

AXIAL PISTON PUMPS
PBF20TH-series

Displacement - 56, 63, 80, 107 cm³

Rated pressure - 350 bar

Max. pressure - 400 bar

Fixed displacement axial piston pumps for truck applications. Dimensions according to ISO standard.

PBF20TH pumps are interchangeable with OMFB HDS, MDS, HDT, Bosch Rexroth A17FO series 10, Sunfab SPC, ABER BI, PZB EOS, Parker F1, Bezares FR, Casappa BAP, Hydrocar FOX, KAZEL ISO FEYZ, Hidromas PEX, Hydramech HMPP.


PBF20-series

Displacement - 56, 80, 107 cm³

Rated pressure - 400 bar

Max. pressure - 450 bar

Fixed displacement axial piston pumps, multi-purpose application.

PBF20 pumps are interchangeable with Bosch Rexroth A2FO series 6.

PVC-series

Displacement - 18, 28, 45, 63, 71 cm³

Rated pressure - 280 bar

Max. pressure - 350 bar

Variable displacement axial piston pumps for open circuit hydraulic systems, multi-purpose application.

PVC pumps are interchangeable with Bosch Rexroth A10VO series 52, A10VO series 53, Parker P1/PD, Danfoss series 45, Eaton X20.


PVK-series

Displacement - 100 cm³

Rated pressure - 420 bar

Max. pressure - 480 bar

Variable displacement axial piston pumps for closed circuit hydraulic systems. Hydromechanical (MH) and electric proportional (ER) control.

PVK pumps are interchangeable with Bosch Rexroth A4VG series 32, A4VG series 40, Danfoss 90 series, Danfoss H1P series, PMP PMH P series.



GEAR MOTORS

K-series

Displacement: group 2 - 6,3...25 cm³, group 3 - 20...71 cm³
 Rated pressure - up to 250 bar
 Max. pressure - up to 280 bar

Aluminum alloy gear motors. Dimensions according to SAE, DIN, EUROPEAN, GERMAN standards. Built-in valves available.



AXIAL PISTON MOTORS



MBF20-series

Displacement - 56, 80, 107 cm³
 Rated pressure - 400 bar
 Max. pressure - 450 bar

Fixed displacement axial piston motors, multi-purpose application.
 MBF20 motors are interchangeable with Bosch Rexroth A2FM series 6.

MBV20-series

Displacement - 160 cm³
 Rated pressure - 400 bar
 Max. pressure - 450 bar

Variable displacement axial piston motors. Hydraulic proportional and electric proportional control. Cartridge and ISO versions, according to ISO 3019/2.

MBV20 motors are interchangeable with Bosch Rexroth A6VM, A6VE, AA6VM series 63, Danfoss H1 series, Dana Brevini S9HV.



MFK-series

Displacement - 100 cm³
 Rated pressure - 420 bar
 Max. pressure - 480 bar

Fixed displacement axial piston motors are used as part of a hydrostatic transmission.
 MFK hydraulic motors are interchangeable with Danfoss 90 series, PMP PMH M series.

HYDRAULIC CYLINDERS

Piston and plunger hydraulic cylinders

Piston diameter - 25...100 mm
 Rod diameter - 16...60 mm
 Stroke - up to 1000 mm
 Max. pressure - up to 250 bar

Single- and double-acting hydraulic cylinders for agricultural, utility, construction machines and equipment.



QUICK RELEASE COUPLINGS

QS



QR



QT



QF



Quick release couplings

- Quick release couplings QS-series are interchangeable according to ISO 7241-A standard. One-way connection-disconnection. Max. working pressure - 250 bar. Sizes 3/8" and 1/2".
- Quick release couplings QR-series are interchangeable according to ISO 7241-A standard. Push-pull option. Max. working pressure - 250 bar. Sizes 1/2" and 3/4".
- Screw-to-connect QT-series couplings are interchangeable according to ISO 14541 standard. Max. working pressure - 450 bar. Sizes 1/4".
- Flat face quick release couplings QF-series are interchangeable according to ISO 16028 standard. Max. working pressure - 350 bar. Sizes 1/2" and 3/4".

FITTING

Fitting for high pressure hoses of various types: DKM, DKR, DKRO, DKOL, DKOS, ORFS, JIC 37°, BANJO and fittings CM, CEL, CES, CORFS, CJIC 37°. Can be made with threaded connections (metric and inch) and connections for flanges with a bend angle from 0° to 90°.

Fitting



SPARE PARTS FOR AXIAL PISTON PUMPS AND MOTORS



Spare parts for axial piston pumps and motors Sauer 20 series, Danfoss 90 series, Eaton 1 series.


MASTER-series gear pumps

Displacement: group 2 - 6, 10, 14, 16 cm³; group 3 - 25, 32, 40, 50 cm³;
group 4 - 100 cm³

Rated pressure - up to 200 bar

Max. pressure - up to 250 bar

Gear pumps with aluminum alloy or cast iron body. Used for tractors MTZ, YuMZ, LTZ, DT-75, T-150, T-25.

ANTEY-series gear pumps

Displacement: group 3 - 32, 50 cm³; group 4 - 71, 100 cm³

Rated pressure - 160 bar

Max. pressure - 200 bar

Gear pumps with aluminum alloy body. Used for tractors T-150, Kirovets K-700, K-701.


HMШ-series gear pumps

Displacement - 25, 32, 50 cm³

Rated pressure - 16 bar

Max. pressure - 25 bar

Low pressure gear pumps with aluminum alloy or cast iron body. Used for transmission lubrication systems of agricultural tractors MTZ, T-150, Kirovets K-700, K-701.

Control valves MP80

Flow - 100 lpm

Rated pressure - 200 bar

Max. pressure - 250 bar

Used for agricultural tractors MTZ, YuMZ, LTZ, DT-75, T-150, T-25.


Hydraulic cylinder C100/40x200-3.44(515)

Piston diameter - 100 mm

Rod diameter - 40 mm

Stroke - 200 mm

Mounting size - 515 mm

Max. pressure - 200 bar

Used for hydraulic lift of MTZ, YuMZ agricultural tractors.

Hydraulic cylinder C75/30x110-3.44(380)

Piston diameter - 75 mm

Rod diameter - 30 mm

Stroke - 110 mm

Mounting size - 380 mm

Max. pressure - 200 bar

Used for hydraulic lift of T-25 agricultural tractors.



**Quality management system conforms to ISO 9001:2008 standards
(by Bureau Veritas)**

