

AND INDUSTRIAL EQUIPMENT



SALEO HOLDING PRODUCT LINE

- Hydrostatic steering units of a displacement from 50 to 800 cc/rev, including LS static and dynamic models, with priority valves which allow one delivery pump to feed two loads;
- Axial piston hydraulic pumps and motors of various displacements;
- Hydrostatic transmissions:
- Mechanically, hydraulically and electromagnetically actuated distributing valves of a flow of 16 to 2501/min;
- Piston, plunger and telescopic hydraulic cylinders;
- Electrohydraulic control units for various hydraulic systems;
- Mobile machinery hydraulic components;
- Industrial hydraulics;
- High pressure hoses.

Our production facilities are equipped with state-of-art machinery of the world's best manufacturers: Mazak, Blohm, Melchiorre, Studer, Kadia, Stama, Arthur Klink, etc.

Computerized test benches and laboratory equipment are used to control the quality of products.

Quality Management System conforms to requirements of ISO 9001-2009, ISO 9001:2008 (Certificate of TÜV Thüringen e.V., Germany, No. TIC 15 100 159221).



STEERING SYSTEMS



DOC-SERIES STEERING LINIT

- open centre non-reaction steering unit has got two anti-cavitation, two anti-shock, a relief and a check valve in P-line; and a check valve in P-line;
- displacement, cc/rev: 50...800;
- relief valve adjustment pressure, MPara 8...17.5:
- steering control torque, Nm: 25...3.5:
- outlet pressure, max. MPara 25.

DOC-SERIES DOUBLE DISPLACEMENT

- open centre. Allows emergency steering
- when delivery pump is off;
 displacement (pump on), cc/rev: 160, 450;
- emergency displacement (pump off),
- cc/rev: 50...125.





DOW-SERIES STEERING UNIT

 open centre non-reaction steering unit, with a check valve in P-T-line;
 allows steering when pump is off;
 combines with OVP-type valves blocks.

DOPB-SERIES STEERING UNIT

- open centre non-reaction steering unit, additional EF-port, without valves;
- allows one delivery pump, without a priority valve, to feed two loads with the priority of steering;
- can be optionally provided with a relief,
- anti-cavitation and anti-shock valves.



STEERING SYSTEMS

DIS-SERIES STEERING HINIT

- closed centre non-reaction static LS steering unit. Provided with two anti-cavitation, two anti-shock and a check valve in P-T-line:
- displacement cc/rev: 50 800:
- if combined with SKP-type priority valves it allows one delivery pump to feed two loads with the priority of steering.



DLD-SERIES STEERING UNIT

- closed centre non-reaction dynamic
LS steering unit;
- displacement, cc/frev: 50...400;
- if combined with DKP-type priority valves it allows
one delivery pump to feed two loads with
the priority of steering.

DLD-SERIES DOUBLE DISPLACEMENT STEERING UNIT

- closed centre non-reaction dynamic LS steering unit;
- displacement, cc/rev: 160...450;
- emergency displacement, cc/rev: 50...125.





DLSX-SERIES STEERING UNIT

closed centre non-reaction steering unit;
 combines with OSQ-type flow boosters;
 displacement, cc/rev: 160...630.
 it is used in heavy vehicles:

STEERING SYSTEMS



PRIORITY VALVE SKP

- static signal priority valve.
Allows one delivery pump to feed two
loads with the priority of steering;
- inlet flow, max., I/min: 160;
- rated pressure. MPa: 16.5.

PRIORITY VALVE DEP

- dynamic signal priority valve.
- Allows one delivery pump to feed two loads
- with the priority of steering;
- inlet rated flow, I/min: 40, 80, 120;
- rated pressure, MPa: 16.5.





SINGLE-ACTING STEERING HYDRAULIC CYLINDER

piston diam., max, mm: 50;
 rod diam., max, mm: 25;
 stroke, max, mm: 400;
 pressure, max, MPa: 20.

DOUBLE ROD ENDED STEERING HYDRAULIC CYLINDER

- piston diam., mm: 57...68;
- rod diam., mm: 32...45; - stroke, max, mm: 235;
- rated pressure, max, MPa; 20.



HYDRAULIC CYLINDERS

PISTON HYDRAULIC CYLINDERS

- piston diam., max, mm: 180;
- rod diam., max, mm: 100
- rated pressure, max, MPa: 30.



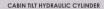
TELESCOPIC HYDRAULIC CYLINDERS

- number of stages: 2...6; - stages diam., max, mm: 180; - stroke, max, mm: 6000; - rated pressure, max, MPa: 20.

PLUNGER HYDRAULIC CYLINDER

- plunger diam., max, mm: 100;
- stroke max mm: 2000:
- rated pressure, max, MPa: 30.





- integrated valves; - piston diam., mm: 45...55; - rated pressure, MPa: 18; - rated push force, kN: 22.9...31.6; - rated pull force, kN: 17.8...25.1.



DISTRIBUTING VALVES



DISTRIBUTING VALVE RGE

- actuating method: electromagnetic; - rated flow, max, I/min: 60; - inlet pressure, max, MPa: 32.

DISTRIBUTING VALVE RIA

- nominal internal diam., mm: 8:
- rated pressure, MPa: 16;
- rated flow, I/min: 16:
- relief valve adj. pressure range, MPa: 5...20;
- number of sections: 1...3;
- number of spool positions: 3 or 4.





- rated flow, I/min: 70; - number of sections: 1...10; - number of spool positions: 3 or 4 (with a "float" position).



DISTRIBUTING VALVE RGR100

- rated flow, I/min:100:
- relief valve pressure, max, MPa; 30;
- number of sections: 1...10:
- actuating method: manual, cable,
- mechanical joystick:
- sectional valves: combined, anti-cavitation, anti-shock:
- number of spool positions: 3 or 4 (with a "float" position).



DISTRIBUTING VALVES

DISTRIBUTING VALVE RGG250

- rated flow, I/min: 250;
- relief valve pressure, max. MPa: 30:
- number of sections: 1...10:
- actuating method: hydraulic, proportional.





ELECTROHYDRAULIC CONTROL UNIT EHR

 proportional electrohydraulic control unit is purposed for automatic plow depth control.
 combines with distributing valves RP70, RGR100.

DISTRIBUTING VALVE R80

- design: monoblock;
- rated flow, I/min: 80;
- relief valve pressure, max, MPa: 20;
- number of spools: 3:
- actuating method: manual:
- number of spool positions: 4.





DISTRIBUTING VALVE KS-3579

- rated flow, I/min: 80; - nominal internal diam., mm: 20; - rated pressure, MPa: 25; - number of sections: 4;

- number of spool positions: 3.

AXIAL PISTON HYDRAULIC PUMPS AND MOTORS



A1-SERIES AXIAL PISTON PUMPS

- displacement, cc: 32...140; - rated pressure, max, MPa: 35; - integrated relief valve; - integrated flush valve; - for open and closed circuits

A2-SERIES AXIAI PISTON PIIMPS

- displacement, cc: 10...28:
- rated pressure, max. MPa: 32:
- Integrated block of check valves;
- application: steering emergency pump.



A3-SERIES AXIAL PISTON MOTORS

- displacement, cc: 90...112; - rated pressure, max, MPa: 35; - integrated relief valve; - integrated flush valve; - for closed circuit

B3-, B3.1- AND B3.2-SERIES AXIAL PISTON VARIABLE PUMPS

- displacement, cc: 71...140;
- working pressure, max, MPa; 32;
- integrated displacement control:
- for open circuit.



AXIAL PISTON PUMPS AND MOTORS

AA-SERIES AYIAI PISTON PIIMPS

- displacement cc: 71 112:
- rated pressure max MPa: 28:
- for open circuit:
- application; PTO of trucks.



RS- AND RS 1-SERIES AXIAI PISTON VARIABLE PLIMPS

 displacement, cc: 45...130; - rated pressure, max. MPa: 42: - integrated displacement control: - for closed circuit



AA- AND AAA-SERIES AXIAI PISTON MULTISECTION PUMPS

- for open circuits:
- standard displacements, cc:
- 112+112: 56+56: 28+28:
- 112+56: 112+28: 56+28:
- 112+56+28: 56+56+28: 56+28+28



A-SERIES AXIAL PISTON PUMPS

- displacement (1 section), cc: 10...135; - mounting seat for tandem section; - for open circuits.



HYDROSTATIC TRANSMISSIONS



GST 44-44

Hydrostatic transmission GST 46-46 is a closed hydraulic system which comprises a variable hydraulic pump B5-45... with max displacement of 45 cc and a fixed hydraulic motor A1-46FV6... with displacement of 46 cc. Max pressure: 25 MPa. It is equipped with integrated overland rorder time system.

GST 112-112

Hydrostatic transmission GST 112-112 is a closed hydraulic system which comprises a variable hydraulic pump BS.1-112... with max displacement of 112 cc and a fixed hydraulic motor A3-112... with displacement of 112 cc. Max pressure: 45 MPa. It is equipped with integrated overload protection system.



GST 130-130

Hydrostatic transmission GST 130-130 is a closed hydraulic system which comprises a variable hydroulic system comps 85.4-130... with max displacement of 130 cc and a fixed hydraulic motor AS-130... With displacement of 130 cc. Max pressure: 45 MPa. It is equipped with integrated overload protection system.



HYDRAULICS FOR CLUTCH AND BRAKE SYSTEMS CONTROL

BOOSTERS.

MAIN CYLINDERS.

WORKING CYLINDERS.



HYDRAULICS FOR MOBILE MACHINERY

HYDRAULIC CONTROL UNIT

- inlet pressure, max, MPa: 4:
- reduced pressure, MPa: 0.58...1.95.



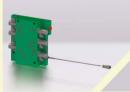
POWER SUPPLY

- reducing valve adjustment, MPa: 2...6; - inlet pressure, max, MPa: 35.

HYDRAULIC CONTROL BLOCKS

- inlet rated pressure, MPa: 16; rated flow, max, I/min: 50.





HYDRAULIC CONTROL BLOCKS FOR GEARBOXES

inlet rated pressure, MPa: 1.3;
 rated flow, max, I/min: 16.

HYDRAULICS FOR MOBILE MACHINERY



STEERING REVERSE VALVE

- rated flow, I/min: 33;
- inlet working fluid pressure,
max_MPa: 18

VALVE 85-4216115

- pressure, max, MPa: 3; - internal spool leakage,

PRESSURE AND DRAIN FILTERS

- filtration rating, um: 10...25:
- rated flow, I/min: 40...200.

RREATHERS

- nominal filtration rating, µm: 25;
- air flow, max, I/min: 168;
- air flow resistance, max, Pa: 37.



INDUSTRIAL HYDRAULICS



INDUSTRIAL DISTRIBUTING VALVES

- actuating method: manual and electromagnetic; - rated flow, max, I/min: 60; - inlet pressure, max, MPa: 32.

CHECK VALVES.

RELIEF VALVES.

PRESSURE VALVES.





INDUSTRIAL HYDRAULICS

HYDRAULIC LOCK VALVES THROTTLES

- screw-in and flange;
- rated flow 1/min: 80







PRESSURE GAUGE SWITCHES

inlet pressure, MPa: 32;
 internal leakage, 150 cc/min;
 control force, max, N: 60.

HIGH PRESSURE HOSES

HIGH PRESSURE HOSES

- nominal internal diam., mm; 6...50;
- working pressure, max. MPa: 25.



FIFTH WHEEL COUPLING



FIFTH WHEEL COUPLING

- weight, kg: 150;
- class of device: G50-X;
- tilt angles, min:
- around X ± 12°, around Y ± 90°,
- around the longitudinal axis ± 3°;
- tongue weight, 1: 20.



SALEO Holding

MANUFACTURING OF HYDRAULICS
FOR MOBILE MACHINERY
AND INDUSTRIAL EQUIPMENT

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