HYDRAULIC VALVES

DIRECTIONAL CONTROL VALVES
Directional control valves can be used for controlling direction of oil flow so as to operate start up, stop and moving direction of actuators in a hydraulic circuit. Their operating modes are solenoid controlled, solenoid operated and pilot controlled, pilot controlled, manual controlled, cam - actuated and so on.

MODEL: DSG 01 & 03
DSHG 04, 06, 10

PRESSURE CONTROL VALVES
Pressure control valves are used for controlling the pressure in a hydraulic system and protect its hydraulic pump and actuators from over-load. Accordingly to their functions, they can be divided into different types such as relief valve, pressure reducing valves, sequence valve and unloading relief valve.

MODEL: BG, BSG, BT, BST, HCG, RCG, BUCG, RG.
SIZE: 03, 06 & 10

MODULAR VALVES
Yukens series modular valves are one kind of valves without pipe connecting, which can meet the requirement of modern hydraulic system in diversity and reasonable design.

They have mounting faces which meet with international standards (ISO 4660-1) and have proper body thickness. According to requirements for control of a hydraulic system, single modules with different types of modular valve with mounting screws.

MODEL: MSW, MRP, MBP, MRA, MPW
SIZE: 01, 03 & 06

LOGIC VALVES
Logic valves comprise cartridge elements and covers with pilot passages. They are suitable in the hydraulic system with high pressure, high low rate and low pressure drop. Application of the valves can implement quick shifting and shockless movements of hydraulic system.

MODEL: LB, LD & LDS
SIZE: 16,25,32,40,50,60,63

PROPORTIONAL ELECTRO-HYDRAULIC VALVES
These valves are one kind of controllers which control pressure or low rate continuously vary in proportion with electric input signal. They are typical mechanical, electrical and hydraulic integral products.

MODEL: EFBG, 03, 06 & 10
EFG 01

FLOW CONTROL VALVES
Flow control valves can be used for controlling revolving or reciprocating speed of actuators in a hydraulic circuit. These valves are pressure and temperature compensating type and can maintain a constant low rate independent of change in system pressure (load) and temperature (viscosity of the liquid).

MODEL: FG, FCG, SRC, ZCG
SIZE: 01,02,03 & 06

(MANUALLY OPERATED) DIRECTIONAL VALVE
Manually Operated Directional Valves These valves may be used to manually shift the spool position and change the direction of oil flow. We keep running stock DMG-01, DMG-03 & DMG-06 size

MODEL: DMG
SIZE: 01,03 & 06

(CAM OPERATED) DIRECTIONAL CONTROL VALVE
Cam Operated Directional Valves These valves may be used to shift the direction of oil flow by depressing the spool by way of a cam.

MODEL: DCG
SIZE: 01 & 03
HYDRAULIC MOTORS

Orbital Hydraulic Motor : TMP

Volume : 50cc/rev to 400cc/rev Max.
Pressure : 140bar to 70 bar Flow
: 40 LPM to 60 LPM

This series motor is equivalent to Danfoss - OMP and M+S-MP

MODEL : TMP

Orbital Hydraulic Motor : TMR

Volume : 50cc/rev to 400cc/rev Max.
Pressure : 140bar to 70 bar Flow
: 40 LPM to 60 LPM

This series motor is equivalent to Danfoss - OMR and M+S-MR

MODEL : TMR

Orbital Hydraulic Motor : TMS

Volume : 80cc/rev to 400cc/rev Max.
Pressure : 175 bar to 70 bar Flow
: 65 LPM to 75 LPM

This series motor is equivalent to Danfoss - OMS and M+S-MS.

MODEL : TMS

Orbital Hydraulic Motor : TMT

Pressure : 200bar to 160 bar Flow
: 100 LPM to 125 LPM

This series motor is equivalent to Danfoss - OMT and M+S-MT.

MODEL : TMT

Radial Piston Motors : TMDG

Series:- TMDG1, TMDG-2, TMDG-3, TMDG-6,
TMDG-11, TMDG-16, TMDG-31
Displacement:- 125cc/rev to 350cc/rev

This motor is equivalent to SAI - GM series and Intermot NHM series

MODEL : TMDG

Sphere Piston Hydraulic Motor : QJM

QJM hydraulic motor that can constitute a hydraulic actuator with different oil pumps, valves and hydraulic parts is able to adapt itself to all kinds of mechanical conditions by reason of some measures taken to its design. The motor has many advantages, e.g. light weight, small size, widespread regulating range, capable of stepping variation, reliable performance and long useful life, etc. It has been widely applied for mine engineering, hoisting transport, metallurgy, ships, plastics injection, etc.

MODEL : QJM

Hydraulic Steering Unit

Hydraulic steering control units(SCU), new design, better performance. Widely applied to low speed and heavy load vehicles E.g. construction machinery, forklift, tractor, harvester and helm control etc.

MODEL : THPL OSPB, OSPC, OSPJ

Hydraulic Transmission : ZCM

ZCM hydraulic transmission is made up of hydraulic motor, multi-disc friction brake and planet gearbox decelerator. Having Characteristics of small, light, large torque, high start and transmission efficiency, low noise, etc. Output shaft can bear large radial force. ZCM1600/B(C)-ZCM600/B(C) is hydraulic transmission with one grade planet decelerating, two grade decelerating be applied in ZCM2.3/B-ZCM2.6/B series, they also constitute of all the part mentioned- Above and valve group with braking function, etc. Hydraulic transmission can be applied in kinds of hydraulic transmission system and rotating facilities.

MODEL : ZCM
PISTON PUMPS : THPL ‘A’ SERIES

A series variable displacement piston pumps has high efficiency, lower noise and accomplished energy-saving characteristic and so widely used in plastic injection machinery, pressure founding machinery, tools machinery, chemical and light industry field and so on. It has two kinds of control type, which are pressure compensatory - pe ("01" type) and proportional electro-Hydraulic load sensing type("04"type).

MODEL : A37,45,56,70,96
(FR - 01 & FR - 04)

PISTON PUMPS : THPL ‘AR’ SERIES

- Compact and minimum weight design
- Low-Carbon Steel Structure
- For normal pressure 160 kgf/cm², max. pressure 210 kgf/cm²
- Available for motor connection directly

MODEL : AR10.AR16.AR22

VARIABLE DISPLACEMENT PUMP

Variable displacement Axial Piston Pump Swash plate design in single, double and triple pump execution.

CC/rev : 28,45,71,100,140
Nominal Pressure PN : 280
Peak Pressure Pmax : 350

MODEL : THPL - A10VSO

FIXED DISPLACEMENT BENT AXIS PISTON PUMP.

CC/rev : 16,23,28,32,45, 56,63,80,90,107, 125, 160, 180
Nominal Pressure up to 450 bar
Nominal Pressure up to 400bar

MODEL : THPL - A2F0

VARIABLE DISPLACEMENT PUMP

Pump THPL A4VSO of swash plate design is design for hydrostatic transmission in open circuit. Flow is proportional to input speed and displacement, and is infinitely variable by adjustment of the swash plate.

Feature:
- slotted control swash plate design, continuous variable displacement, good suction characteristics, permissible continuous operating pressure 350bar; low noise level, long service life, the drive shaft capable of absorbing the axial and radial loads, high power-weight ratio, modular design, the pump combinations possible, pump position optional, mounting position optional, operation on HFC fluids under reduced operational parameter possible in prepare!!

MODEL : THPL - A4VSO

VARIABLE DISPLACEMENT PUMP / MOTOR

Variable displacement motor AV is design for hydrostatic drive. The displacement of infinitely variable in the range Vmax / Vmin = 3.47.

Special features:
- Wide control range of hydrostatic drives. Various control regulating devices. Cost saving through elimination of gear box and possibility of using smaller pumps. compact low until power. Good starting characteristics. Low inertia.

MODEL : THPL - A6V

GEAR PUMP

THPL offers the widest range of gear pump products in the industry but it is above all our ability to provide value-added solutions that differentiates us from other suppliers.

DISPLACEMENT 1cc/rev to 100
cc/rev Pressure Up to 160
BARFRAME SIZE 1A, 2A, 3A
STAGES UP TO 4" STAGE

MODEL : SGP
SIZE : 1Lpm to 250 Lpm

GEAR PUMP

We have a unique understanding of the capabilities of gear pumps that enable us to go beyond traditional limits to meet specific application needs.

4000 PSI series is Specially developed for those customer who have hi pressure application. These series have unique characteristic Which one make him different from other gear pump which is already available in market. in market these series known as VGP

MODEL : VGP
SIZE : 6 Lmp to 100 Lpm
POWER PACK

DC POWER UNIT 12V
- Voltage Rating: 12V
- Power Rating: 1.6kw
- Pump Option: 1.00cc/2.00cc/3.3cc/4.2cc/5.8cc/7.00cc/9.00cc
- Manifold Option: Single Acting / Double Acting
- Tank Option: 8L, 15L, 25L

DC POWER UNIT 24V
- Voltage Rating: 24V
- Power Rating: 2.2kw
- Pump Option: 1.00cc/2.00cc/3.3cc/4.2cc/5.8cc/7.00cc/9.00cc
- Manifold Option: Single Acting / Double Acting
- Tank Option: 8L, 15L, 25L

PUMP MOTOR UNIT - 12V & 24V
- Voltage Rating: 12v & 24V
- Power Rating: 1.6 KW 2.2 KW

DC POWER UNIT 3 KW
- Voltage Rating: 24V
- Power Rating: 3.0 KW
- Pump Option: 1.00cc/2.00cc/3.3cc/4.2cc/5.8cc/7.00cc/9.00cc
- Manifold Option: Single Acting / Double Acting
- Tank Option: 25L, 35 L

AC POWER UNIT (FOR MATERIAL HANDLING EQUIPMENTS)
- Voltage Rating: 230V & 440V
- Pump Option: 1.00cc/2.00cc/3.3cc/4.2cc/5.8cc/7.00cc/9.00cc
- Manifold Option: Single Acting / Double Acting
- Tank Option: 8L, 15L, 25L

AC POWER UNIT (FOR HEAVY DUTY WORK)
- Voltage Rating: 230V & 440V
- Pump Option: 1.00cc/2.00cc/3.3cc/4.2cc/5.8cc/7.00cc/9.00cc
- Manifold Option: Single Acting / Double Acting
- Tank Option: 8L, 15L, 25L

CAR LIFT BLOCK
- Flow Capacity: 30 LPM
- Coil Voltage: 230V & 24V DC

CARTRIDGE VALVE
- Single Acting cartridge poppet valve normally close
- Flow Capacity: 25 LPM
- Coil Voltage: 230V AC & 24V DC
MOBILE HYDRAULIC

**Directional Control Valve : P - 40**

**Technical Parameters:**
- Ambient Temperature: 40C—+60C
- Hydraulic liquid-mineral oil based/hydraulic oil
- Viscosity: 12...800 mm2/s
- Fluid Temperature: 15C—+80C
- Filtration: 10 to NAS1638
- Max. operating pressure, P=250; T=50 bar: A, B = 300 bar
- Leakage (A, B-T): 15 cm3/minute at 120 bar
- Nominal Flow: 40 l/min.
- Spool stroke: 6 mm
- Actuating Force: <200 N
- Modification/Spools: with 1 to 7

**Directional Control Valve : P - 80**

**Technical Parameters:**
- Ambient Temperature: -40C—+60C
- Hydraulic liquid-mineral oil based/hydraulic oil
- Viscosity: 12...800 mm2/s
- Fluid Temperature: -15C—+80C
- Filtration: 10 to NAS1638
- Max. operating pressure, P=250; T=50 bar: A, B = 300 bar
- Leakage (A, B-T): 18 cm3/minute at 120 bar
- Nominal Flow: 80 l/min.
- Spool stroke: +/-7 mm
- Actuating Force: <200 N
- Modification/Spools: with 1 to 6

**SECTIONAL TYPE DIRECTION CONTROL VALVE**

**Technical Parameters:**
- Ambient temperature: 0C—+60C
- Hydraulic liquid-mineral oil based/hydraulic oil
- Viscosity: 12...800 mm2/s
- Fluid temperature: 15C—+80C
- Max. operating pressure, P=250; T=50 bar: A, B = 300 bar
- Leakage: 18 cm3/minute at 120 bar
- Nominal flow: 70 l/min
- Spool stroke: +/-7 mm
- Actuating force: <200 N
- Modification/Sections: up to 8

**SOLENOID CONTROL SECTIONAL AND MONOBLOCK VALVES**

**Technical Parameters:**
- Modification / Spools: with 1 to 7
- Nominal flow: 50 l/min
- Internal leakage A(B)-T: max 100 bar
- Viscosity: 35 cSt
- Coils, connector ISO 4400: 12VDC, 24VDC
- Threads: P/T - G1/2, SAE 10 - A, B - G3/8, SAE 8

**Power Steering Vane Pump – YBZ series**

This pump is suitable to drive steering system of heavy duty trucks

- Displacement: 10-25 ml/r
- Control Flow: 9-28 L/min
- Standard Pressure: 10-17 Mpa
- Speed Range: 500-4000 r/min

**Lubrication Gear Pumps – CB5J50**

This pump can be used for dump systems of trucks and hydraulic system of tractors

- Displacement: 25-63 mL/r
- Max. Pressure: 20 Mpa
- Speed: 2500 r/min

**Hydraulic Hammer – YC series**

Used for breaking works in the industries of metallurgical, mining transportation, construction and municipal engineering, etc.

- Weight: 12-500 kg
- Flow: 21-170 l/min
- Pressure: 7-14 Mpa

**Hydraulic Hose**

We offer hydraulic hose high pressure R1, R2, R3 for various hydraulic applications...

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PRODUCT RANGE

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- Fixed Displacement Axial Piston Pump.
- D.C. Compact Power Pack 12 V & 24 V.
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- Gear Pump
- "Badestnost" Mobile Control Valve.
- Power Pack & Accessories.

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