FIELDS OF EXPERTISE

APPLICATION EXAMPLES

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**VALV-O-MATIC SINGLE-FUNCTION CONTROL VALVE**

*IN-LINE 3 WAY, PRESSURE COMPENSATED PROPORTIONAL FLOW CONTROL VALVE*

- **MOD. RFP-3WPC-E_2A-ILV**
  3 way, pressure compensated proportional flow control valve (IN-Line Version)

- **MOD. FTC-L1S**
  Unidirectional control lever

- **MOD. EC-PWM-A1-MPC1**
  Single channel PWM driver

HARVESTERS
VALV-O-MATIC SINGLE-FUNCTION CONTROL VALVE

FLANGE-MOUNTED 3 WAY, PRESSURE COMPENSATED PROPORTIONAL FLOW CONTROL VALVE

MOD. EC-VIS-G-G-D128X64-M-C
Alpha-numeric display with built-in PWM driver for ground-speed oriented control of a hydraulic motor

MOD. RFP-3WPC-E_2A-FLV
3 way, pressure compensated proportional flow control valve (FLANGED version)

SEED DRILLS
VALV-O-MATIC SINGLE-FUNCTION CONTROL VALVE

FLANGE-MOUNTED 2 WAY OR 3 WAY LIFT & LOWER ELECTRO-HYDRAULIC PROPORTIONAL CONTROL FOR STACKERS

- Single effect mast cylinder
- Power unit and proportional control manifold block
- Proportional roller switch for manual lift & lower control
- Lift & lower electronic control and PWM driver

1. Non-pressure compensated LIFT & LOWER proportional control with fixed displacement pump at constant RPM
2. Pressure compensated LIFT & LOWER proportional control with fixed displacement pump at constant RPM
3. Non-pressure compensated LIFT & LOWER control with variable electric motor/pump RPM controller for LIFT and electro-hydraulic proportional control for LOWER

TECNORD PAGE 5
VALV-O-MATIC MULTI-FUNCTION CONTROL VALVE

COMBINED ON-OFF (FUNCTION SELECTION & DIRECTIONAL CONTROL) WITH PROPORTIONAL 2 WAY/METER-OUT CONTROL OF A SINGLE EFFECT MAST CYLINDER

MOD. JLP-FTC
Fingertip control levers

MOD. MMS-1521
MMS (Machine Management System)

MOD. VOM-4F-32-FRS2G
Electro-hydraulic control manifold

HYDRAULIC DIAGRAM

Electrical Diagram

FORK LIFTS
TDV100 ELECTRO-HYDRAULIC VALVE, OPEN LOOP PROPORTIONAL CONTROL WITH HEAVY DUTY MANUAL LEVERS

TDV100-LMPP.4F-DIRECTIONAL CONTROL SECTION WITH OPEN LOOP BY MEANS OF PROPORTIONAL PRESSURE REDUCING VALVE. THE TDV100 IS OPERATED BY DUAL AXIS JOYSTICKS WITH TWO PROPORTIONAL ROLLERS, MULTI-CHANNEL PWM DRIVER AND HARNESS.

MOD. JHM-L4D/MS-2FPR
Dual-axes Joystick controller with 2 ea FPR

MOD. EC-PWM-P12

MOD. TDV100-LMPP
Directional control section with open-loop by means of proportional pressure reducing valve (IP-DAR 43)

ROUGH TERRAIN FORK LIFT

HYDRAULIC DIAGRAM
TECNORD DIRECTIONAL VALVE WITH DIRECT ACTING PROPORTIONAL CONTROL SOLENOIDS

MEDIUM-FLOW/MULTI-FUNCTION DIRECTIONAL-PROPORTIONAL CONTROL SYSTEM WITH LOAD SENSE FOR ELECTRIC FORK LIFT TRUCKS

MOD. JLP-FTC
Fingertip control levers

MOD. MMS-1521
MMS (Machine Management System)

MOD. VOM-3F
Special MEDIUM FLOW inlet section for single effect LIFT & LOWER control

FORK LIFTS

TECNORD
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FIELDS OF EXPERTISE
APPLICATION EXAMPLES
TECNORD DIRECTIONAL VALVE WITH DIRECT ACTING PROPORTIONAL CONTROL SOLENOIDS

MEDIUM-FLOW/MULTI-FUNCTION DIRECTIONAL-PROPORTIONAL CONTROL SYSTEM WITH LOAD SENSE FOR ELECTRIC FORK LIFT TRUCKS

MOD. MMS-1521
MMS (Machine Management System)

MOD. VOM-3F+1
Special HIGH FLOW inlet section for single effect LIFT & LOWER control

FORK LIFTS

TECNORD DIRECTIONAL VALVE WITH DIRECT ACTING PROPORTIONAL CONTROL SOLENOIDS

MEDIUM-FLOW/MULTI-FUNCTION DIRECTIONAL-PROPORTIONAL CONTROL SYSTEM WITH LOAD SENSE FOR ELECTRIC FORK LIFT TRUCKS

MOD. JHM-L4C/HR

TECNORD DIRECTIONAL VALVE WITH DIRECT ACTING PROPORTIONAL CONTROL SOLENOIDS

MEDIUM-FLOW/MULTI-FUNCTION DIRECTIONAL-PROPORTIONAL CONTROL SYSTEM WITH LOAD SENSE FOR ELECTRIC FORK LIFT TRUCKS

MOD. JHM-L4C/HR
VALV-O-MATIC MULTI-FUNCTION CONTROL VALVE

ELECTRO-HYDRAULIC MANIFOLD WITH 4 ON-OFF BIDIRECTIONAL SELECTOR VALVES

MOD. JLP (or FTC)
Fingertip control levers

MOD. MMS-1521
MMS (Machine Management System)

MOD. VOM-4F-32-FRS2G
Meter-in controlled valve block, combining directional and proportional 4 sections electro-hydraulic functions

Truck-mounted Aerial Platform
VALV-O-MATIC MULTI-FUNCTION CONTROL VALVE

ELECTRO-HYDRAULIC/MULTI-FUNCTION ON-OFF CONTROL FOR SCISSOR LIFT APPLICATION

MOD. JMF-L2S
Single axis joystick with rocker switch for steering and variable output signal for electric traction motor

MOD. EC-PWM-08-MPC4
MMS (Machine Management System)

MOD. VOM-3F-TRACT

AERIAL PLATFORMS

HYDRAULIC DIAGRAM
VALV-O-MATIC MULTI-FUNCTION CONTROL VALVE

ELECTRO-HYDRAULIC 4-FUNCTIONS SYSTEM WITH DUAL PATTERN/METER-IN
PROPORTIONAL CONTROL AND ON-OFF SELECTION OF BIDIRECTIONAL FUNCTIONS

MOD. VOM 4F DUAL PROPORTIONAL
4-functions manifold block with
solenoid-operated ON-OFF cartridge valves
and DUAL PATTERN pressure compensated,
3 way proportional control valves system
ELECTRO-HYDRAULIC PROPORTIONAL SELF-LEVELING SYSTEM WITH MULTIPLE OUTPUTS FOR COMBINED OUTRIGGERS AND STABILIZERS CONTROL OF TRUCK-MOUNTED AERIAL PLATFORMS

MOD. TDV100-LMFD
Proportional directional systems with electro-hydraulic proportional actuator and built-in electronics

MOD. MMS-2218
Electronic control unit with built-in leveling sensor
VALV-O-MATIC MULTI-FUNCTION CONTROL VALVE

COMBINED ON-OFF (FUNCTION SELECTION & DIRECTIONAL CONTROL) WITH PROPORTIONAL 3 WAY/METER-IN CONTROL OF PUMP FLOW

MOD. JHM-L4C-MG-A4P9
Multi-function, dual axes joystick with 4 push buttons for function selection

MOD. VOM-3F-32-1M
3 bidirectional functions with 3 way proportional pressure compensated meter-in control of pump flow and a 3 way-2 pos. flow diverter to feed a hydraulic motor in series connection with the other functions

MOD. EC-MMS-1012-H
MMS (Machine Management System)

HYDRAULIC DIAGRAM

TRIMMERS & STRIPPERS

AG Trimmers & Strippers

Front and Rear Implements for Vineyard Tractors
TDV100 TECNORD DIRECTIONAL VALVE WITH MLT/FD5 CLOSED LOOP POSITION ACTUATOR SYSTEM

TDV100-MLT-4F DIRECTIONAL/PROPORTIONAL STACKABLE CONTROL VALVE WITH LOAD SENSE AND MLT/FD5-CLOSED LOOP/PILOT OPERATED REMOTE CONTROL SYSTEM

MOD. JLP-FTC
Fingertip control levers

MOD. MMS-1521
MMS (Machine Management System) for individual function tune-up

MOD. TDV100-LMFD
Electro-hydraulic proportional actuators with built-in electronics allow direct connection with in-cabin remote control joysticks
RETROFITTING CONTROL SYSTEM

MLT/CE16 ELECTRO-HYDRAULIC REMOTE CONTROL SYSTEM FOR TRUCK MOUNTED/KNUCKLE BOOM CRANES. THE SYSTEM IS EQUIPPED WITH LMI (RATED CAPACITY INDICATOR) FOR OVERTURNING MOMENT CONTROL.

MOD. RX-CAN-2G4
CANbus radio receiver

MOD. MLT/CE16
Hydraulically operated push-pull type servo-piston rods for mechanical linkage to the spools of the original manual control system

LMI SERIES
Electronic load limiter device

MOD. PTM-4F-CAN-2G4
Multifunction proportional radio control system
2.4 GigaHertz transceiver radio

EMERGENCY BYPASS

BOOM EQUIPMENT
SINGLE AXIS INCLINOMETER ±90° OR ON-OFF TILT DEVICE
PRESSURE TRANSDUCER
LIGHT TOWER WITH BUZZER
VALV-O-MATIC MULTI-FUNCTION CONTROL VALVE

COMBINED ON-OFF (FUNCTION SELECTION & DIRECTIONAL CONTROL) WITH PROPORTIONAL 3 WAY/METER-IN CONTROL OF PUMP FLOW AND 4 ON/OFF FUNCTIONS METER-IN SHW TRANSMITTER

MOD. VOM-AF-32
Electro-hydraulic manifold block with 4 ea ON-OFF bidirectional selector valves and 3 way, pressure compensated flow regulator for meter-in control of pump flow

MOD. EC-MMS-0713-H

MOD. RX-CAN-2G4
CANbus radio receiver

MOD. RC-SHW-4F
Single-hand radio controller with CANbus interface

MOD. VP

MOD. VB1

MOD. VB2

MOD. VB3

MOD. VB4

MOD. VA1

MOD. VA2

MOD. VA3

MOD. VA4

MOD. +V

MOD. –V

HYDRAULIC DIAGRAM

Service Crane
COMPLETE ELECTRO-HYDRAULIC CONTROL SYSTEM
FOR MOWER/EDGE CUTTER MACHINES

Customized ARM REST control panel with JHM-L4C/MG-ZFPR multi-function joystick

MOD. MMS-1521
MMS (Machine Management System)

4-functions manifold block with solenoid-operated ON-OFF cartridge valves and DUAL PATTERN pressure compensated, 3 way proportional control valve system

HYDRAULIC DIAGRAM
ECOMATIC SYSTEM - GROUND-SPEED ORIENTED/CLOSED LOOP CONTROL SYSTEM FOR DE-ICING SALT & CHEMICALS SPREADERS

MOD. ECOMATIC SYSTEM
Ground-speed oriented spreading control system

MOD. VOM 3F SERIES
3-uctions pressure compensated proportional manifold for auger, water pump, spinner

HYDRAULIC DIAGRAM

Salt Spreaders
TDV100 TECNORD DIRECTIONAL VALVE WITH MLT/FD5 CLOSED LOOP POSITION ACTUATOR SYSTEM

TDV100-MLT-4F DIRECTIONAL/PROPORTIONAL STACKABLE CONTROL VALVE WITH LOAD SENSE AND MLT/FD5-CLOSED LOOP/PILOT OPERATED REMOTE CONTROL SYSTEM

MOD. JHM

Medium-size Telehandlers

PROPORTIONAL DIRECTIONAL SYSTEMS WITH ELECTRO-HYDRAULIC PROPORTIONAL ACTUATOR AND BUILT-IN ELECTRONICS

Medium-size Telehandlers
CROSS-BRAND CONTROL VALVE WITH MLT/FD5 CLOSED LOOP PROPORTIONAL ACTUATOR SYSTEM

HDS30/LARGE FLOW-DIRECTIONAL/PROPORTIONAL STACKABLE CONTROL VALVE WITH LOAD SENSE AND MLT/FD5-CLOSED LOOP/PILOT OPERATED REMOTE CONTROL SYSTEM

MOD. HDS30/5F-MLT-FD5
Large-flow / 5-functions directional/proportional control valve with load-sense and MLT/FD5 closed loop proportional control system

MOD. JHM-L4D/MS-2FPR
Dual-axes joystick controller with 2 ea FPR

MOD. EC-VIS-GC
Graphic display unit

MOD. MMS-1521
MMS (Machine Management System) for individual function tune-up

MOD. MMS-1521
MMS (Machine Management System) for individual function tune-up

HYDRAULIC DIAGRAM
TDV100 TECNORD DIRECTIONAL VALVE WITH MPP OPEN LOOP POSITION ACTUATOR SYSTEM

TDV100-MPP-4F-DIRECTIONAL/PROPORTIONAL STACKABLE CONTROL VALVE WITH LOAD SENSE MULTI-FUNCTION RADIO CONTROL SYSTEM 2.4 GHZ WITH CAN

MOD. TDV100-LMPP
Directional control section with open-loop by means of proportional pressure reducing valve (IP-DAR 43)

MOD. RX-CAN-2G4
CANbus radio receiver

MOD. PTM-4F-CAN-2G4
Multifunction proportional radio control system - 2.4 GigaHertz transceiver radio

MOD. EC-PWM-P12

Un-Manned Crawler Vehicle for Hazardous Environment Operation