

TECNORD

SERVOCOMANDI E REGOLAZIONE

Electro-Hydraulic Components

Electronic Controllers

Machine Management Systems



TOHIO

Working out integration
between related technologies

MECHANICAL CARTRIDGE VALVES



- Check valves***
- Relief valves***
- Flow regulators****
- Pressure reducing valves***
- Sequence valves**
- Pressure compensators****
- Flow dividers-combiners***
- Logic elements****

SOLENOID OPERATED ON-OFF CARTRIDGE VALVES



- 2w-2pos NC & NO/Spool type**
- 2w-2pos NC & NO/Poppet type****
- 3w-2pos/Spool type***
- 4w-2pos/Spool type***
- 4w-3pos/Spool type**
- Transmission & Brake valves
- New range 2w-2pos NC & NO/Poppet type up to 350 bar**

PROPORTIONAL CARTRIDGE VALVES



- Pressure relief valves**
- Direct acting pressure reducing valves*
- Pilot-operated pressure reducing valves**
- 2-way NC & NO flow Controls/Spool type***
- 2-way NC & NO flow Controls/Poppet type****
- 3-way priority type flow regulators***
- 2way-press. compensated flow regulators***

Flow Ratings: * Up to 20 lt/min ** Up to 45 lt/min *** Up to 75 lt/min **** Up to 150 lt/min



PWM DRIVERS



Single coil proportional output
Dual coil /bidirectional proportional output
Up to 4 bidirectional proportional outputs with PC interface for PWM with parameters programmability (customized software on request)

JOYSTICK CONTROLLERS



Fingertip proportional control levers and roller switches
Heavy duty/multi-axis joysticks with Hall effect sensor (direct PWM outputs and CANbus interface available)
Multi-functions ergonomic grips

MACHINE MANAGEMENT SYSTEMS



Electronic controllers with up to 62 digital/analog inputs and 52 power/signal outputs
Customized software for managing all machine functions

CABLE REMOTE CONTROL BOX



Shoulder-strap remote control (customized based on application)

RC-DBM RADIO REMOTE CONTROL



Combined ON-OFF / PWM or Multi-function proportional Radio Control with shoulder-strap or single-hand transmitter

RC-TRL RADIO REMOTE CONTROL CANbus



Multi-function proportional Radio Control with shoulder-strap Receiver with CANbus interface (CANopen or J1939 protocol)

*HYDRAULIC INTEGRATED
CIRCUITS (HIC)*



Fields of expertise:

Access Platforms

Car lifts

Fork lifts

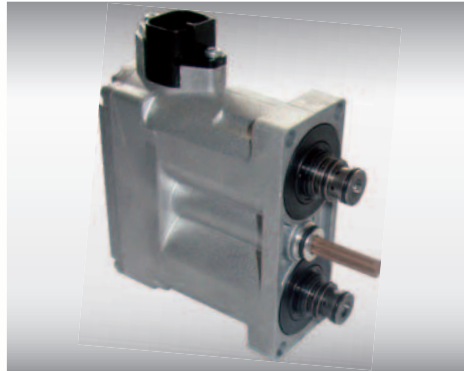
Salt spreaders

Harvesters & Combines

Sweepers

Edge cutters

*MULTIDROM PROPORTIONAL
ACTUATOR*



Electro-hydraulic proportional actuator for closed loop position control with built-in electronics and position sensor, CANbus interface available

Machined interface adapters and servo-piston kits for any make of directional control valves

*TDV 100
DIRECTIONAL VALVES*



Up to 90 l/m (inlet flow)

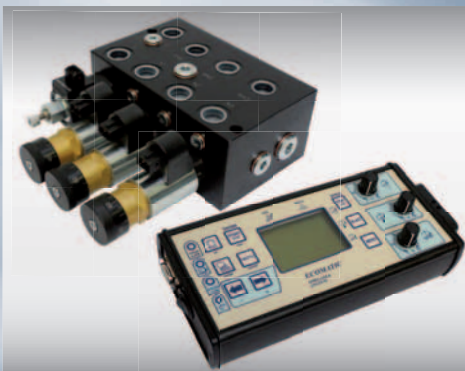
Inlet section for fixed or variable displacement pumps

Load sensing configuration with pressure compensation on each single section

Electro-hydraulic proportional actuators Multidrom-type

Electro-hydraulic ON-OFF actuators

ECOMATIC SYSTEM



GPS ground-speed oriented electro-hydraulic system for salt spreaders

ARM-REST CONTROLLER



Arm-rest control unit for Hedge Cutter

*TDV 30
DIRECTIONAL VALVES*



Up to 50 l/m (inlet flow)

Direct acting proportional solenoids

Load sensing configuration with pressure compensation on each single section

Meter-in control available

TECNORD COMMITMENT TO ELECTRO-HYDRAULICS



Since 1982, the perception of the potential benefits deriving from the integration of hydraulics and electronics, has been guiding our choices towards the development of innovative product lines that have become widely accepted standards in the hydraulic Industry.

Whether it's forklifts, access platforms, tele-handlers or farm tractors drivetrains, at TECNORD we support the needs of design engineers with quality products that help to gain the highest performance and reliability from their electro-hydraulic systems.

With two manufacturing locations in Modena-ITALY and Rockford, Illinois-USA, as well as a strong international distribution network in vir-

tually every corner of the world, we can assure focus on your projects for a perfect balance of preliminary estimate, problem solving and production roll-out.

So, whenever your projects require electro-hydraulics that help turn, lift, dig, haul, shift or lock, TECNORD products and systems are ready to enhance efficiency, productivity and safety of your equipment.

Are you looking for suppliers that share your spirit of innovation?

You are on the right track.

... We're here to put our new ideas and technologies to work for you!



TECNORD COMPREHENSIVE PRODUCT LINE



TECNORD srl

Via Malavolti, 36 - 41122 Modena - Italy
Tel. +39 059/254895 - Fax +39 059/253512
www.tecnord.com
mail: tecnord@tecnord.com



DELTA POWER COMPANY

4484 Boeing Drive Rockford, IL 61109 - USA
Phone +1 (815) 397-6628 - Fax +1 (815) 397-2526
www.delta-power.com
mail: delta@delta-power.com

SOLENOID OPERATED ON-OFF CARTRIDGE VALVES
MECHANICAL CARTRIDGE VALVES
PROPORTIONAL CARTRIDGE VALVES
TRANSMISSIONS & BRAKE VALVES
HYDRAULIC INTEGRATED CIRCUITS

PWM DRIVERS
MACHINE MANAGEMENT SYSTEMS
CUSTOMIZED SOFTWARE
JOYSTICK CONTROLLERS
CABLE REMOTE CONTROL BOX
RC-DBM RADIO REMOTE CONTROL
RC-TRL RADIO REMOTE CONTROL CANBUS

MULTIDROM PROPORTIONAL ACTUATORS

TDV 100 DIRECTIONAL VALVES
TDV 30 DIRECTIONAL VALVES

PRE-ENGINEERED SYSTEMS
ECOMATIC SYSTEM
ARM-REST CONTROL UNIT

MARCH 2013

