# FIELDS OF EXPERTISE APPLICATION EXAMPLES

JUNE 2016

# TECNORD SERVOCOMANDI E REGOLAZIONE

# FIELDS OF EXPERTISE APPLICATION EXAMPLES















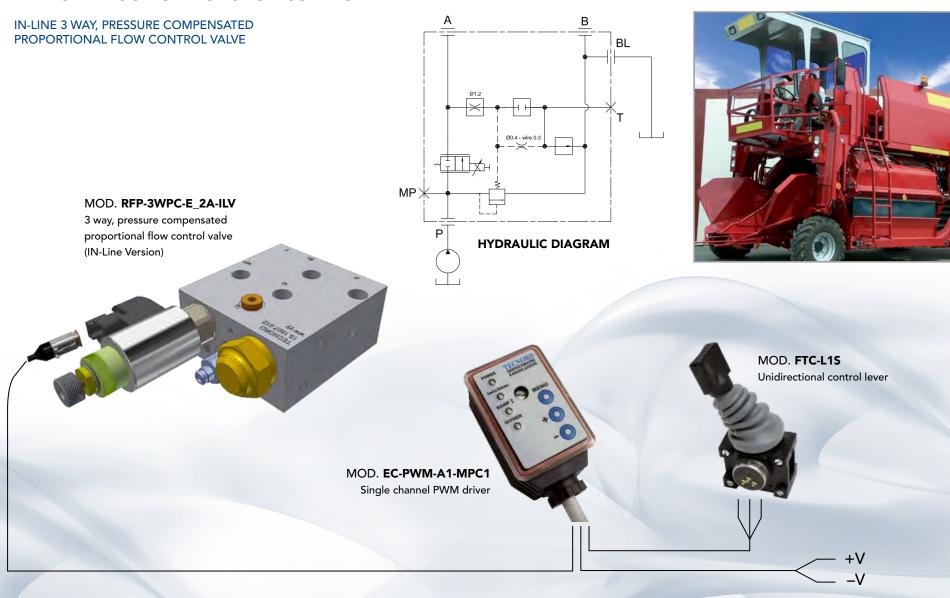


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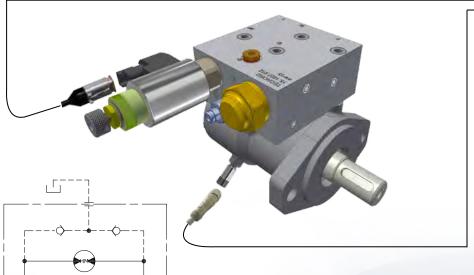
# **VALV-O-MATIC SINGLE-FUNCTION CONTROL VALVE**

HARVESTERS



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

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

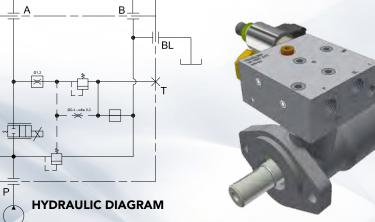




# MOD. EC-VIS-G-G-D128X64-M-C

Alpha-numeric display with built-in PWM driver for ground-speed oriented control of a hydraulic motor

SEEDER



MOD. RFP-3WPC-E\_2A-FLV 3 way, pressure compensated proportional flow control valve (FLANGED version)



# VALV-O-MATIC SINGLE-FUNCTION CONTROL VALVE

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

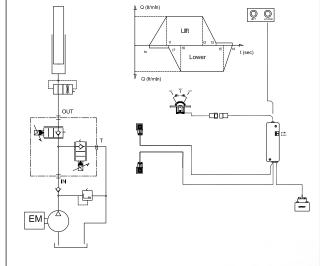


for manual lift & lower control

Lift & lower electronic control and PWM driver

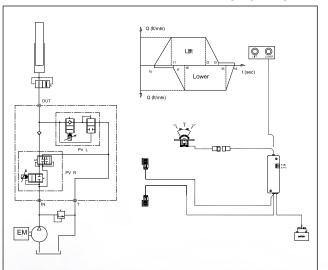
Power unit and proportional control manifold block

Single effect mast cylinder



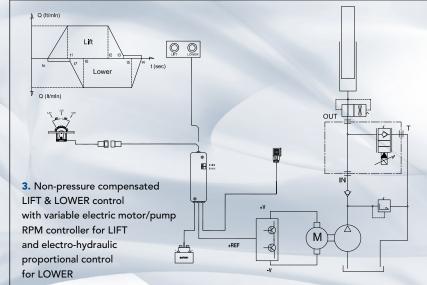
1. Non-pressure compensated LIFT &LOWER proportional control with fixed displacement pump at constant RPM

# HYDRAULIC DIAGRAM

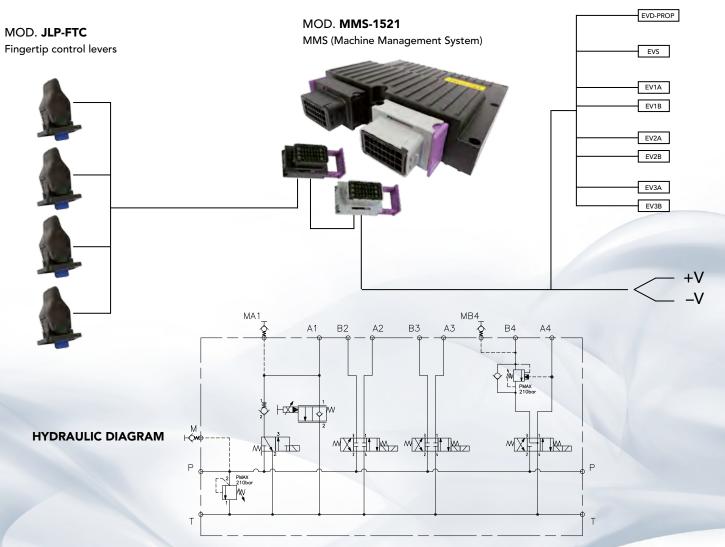


2. Pressure compensated LIFT &LOWER proportional control with fixed displacement pump at constant RPM

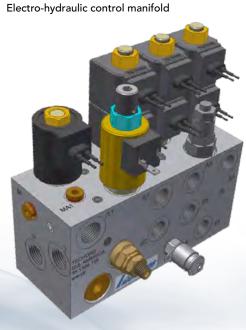




COMBINED ON-OFF (FUNCTION SELECTION & DIRECTIONAL CONTROL) WITH PROPORTIONAL 2 WAY/METER-OUT CONTROL OF A SINGLE EFFECT MAST CYLINDER



MOD. VOM-4F-32-FRS2G



**ELECTRIC FORK LIFT TRUCK** 



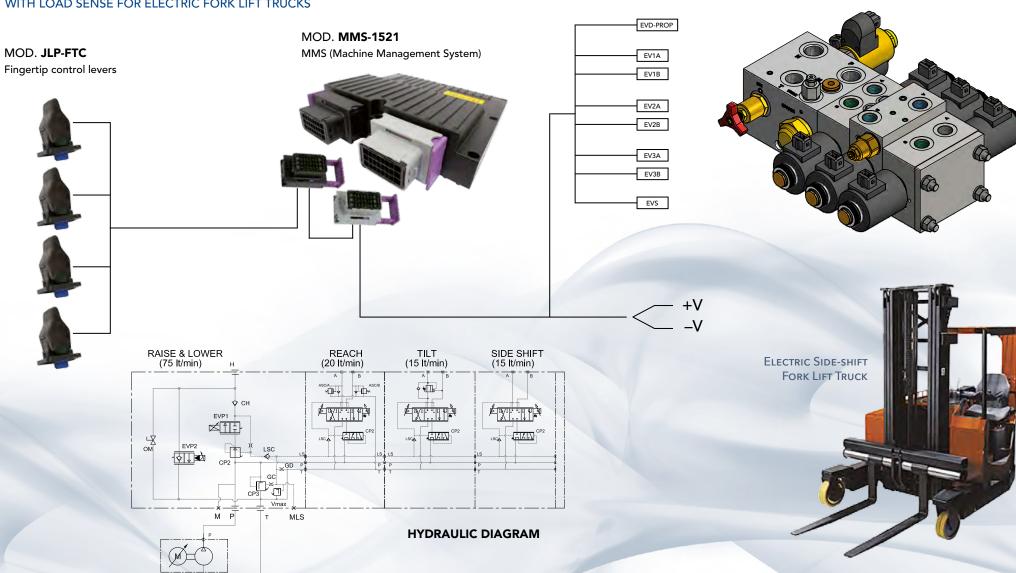
# TDV100 TECNORD DIRECTIONAL VALVE WITH MPP OPEN LOOP POSITION ACTUATOR SYSTEM

TDV100-MPP-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-CHANNELL PWM DRIVER AND HARNESS



# TDV30 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



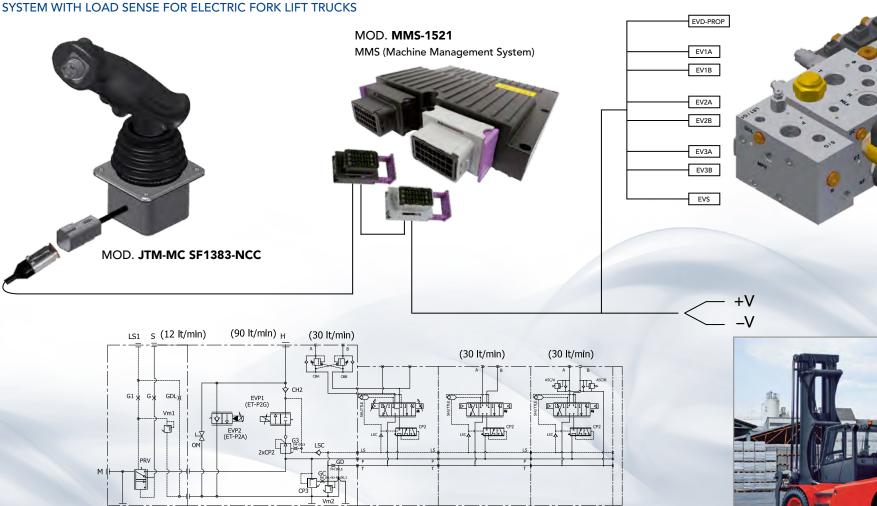
MOD. TDV30-3F

effect LIFT & LOWER control

Special MEDIUM FLOW inlet section for single

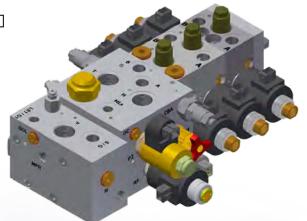
# TDV30 TECNORD DIRECTIONAL VALVE WITH DIRECT ACTING PROPORTIONAL **CONTROL SOLENOIDS**

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



**HYDRAULIC DIAGRAM** 

Special HIGH FLOW inlet section for single effect LIFT & LOWER control



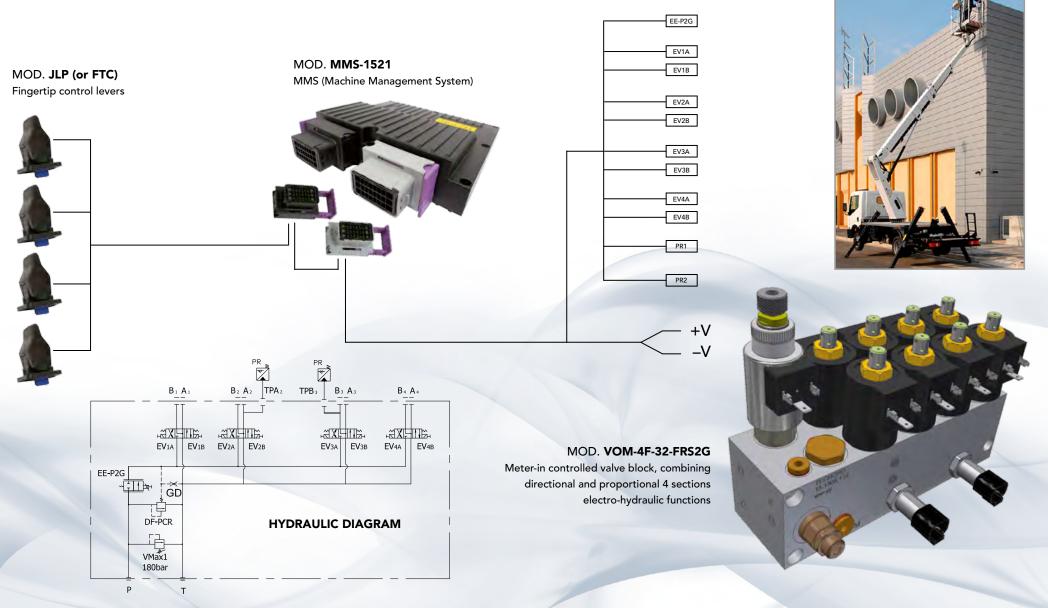
**DIESEL FORK-LIFT TRUCK** 



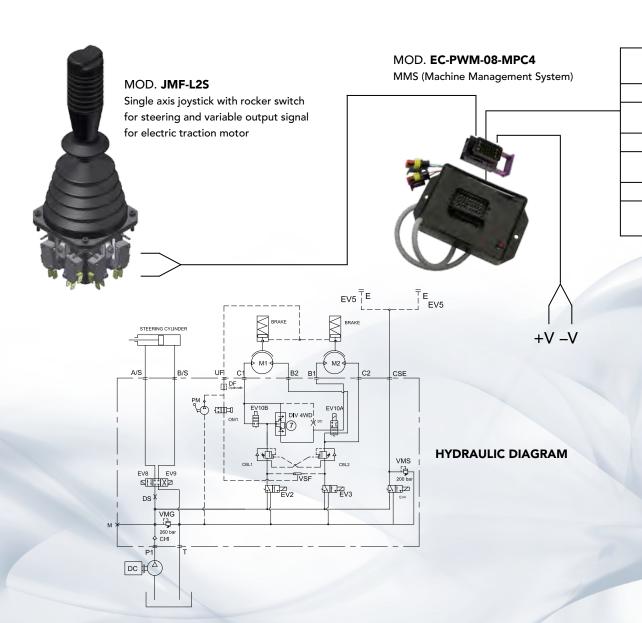
Steering Priority Valve

# TRUCK-MOUNTED AERIAL PLATFORM





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



# MOD. VOM-3F-TRACT

TL

EV8

EV9

EV2 EV3

EV10A EV10B

EV4

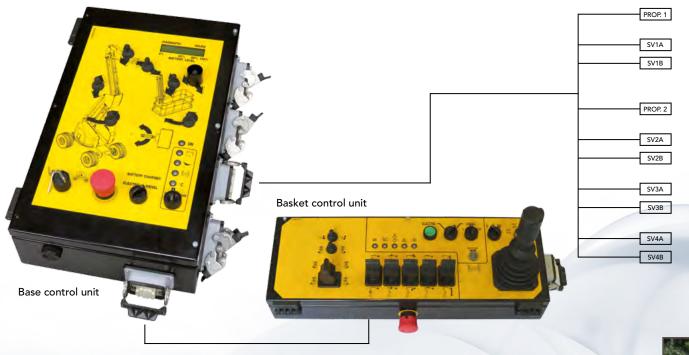




# **AERIAL PLATFORMS**

# **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





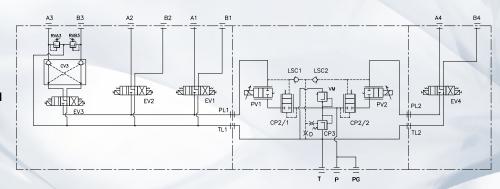
# MOD. VOM 4F DUAL PROPORTIONAL

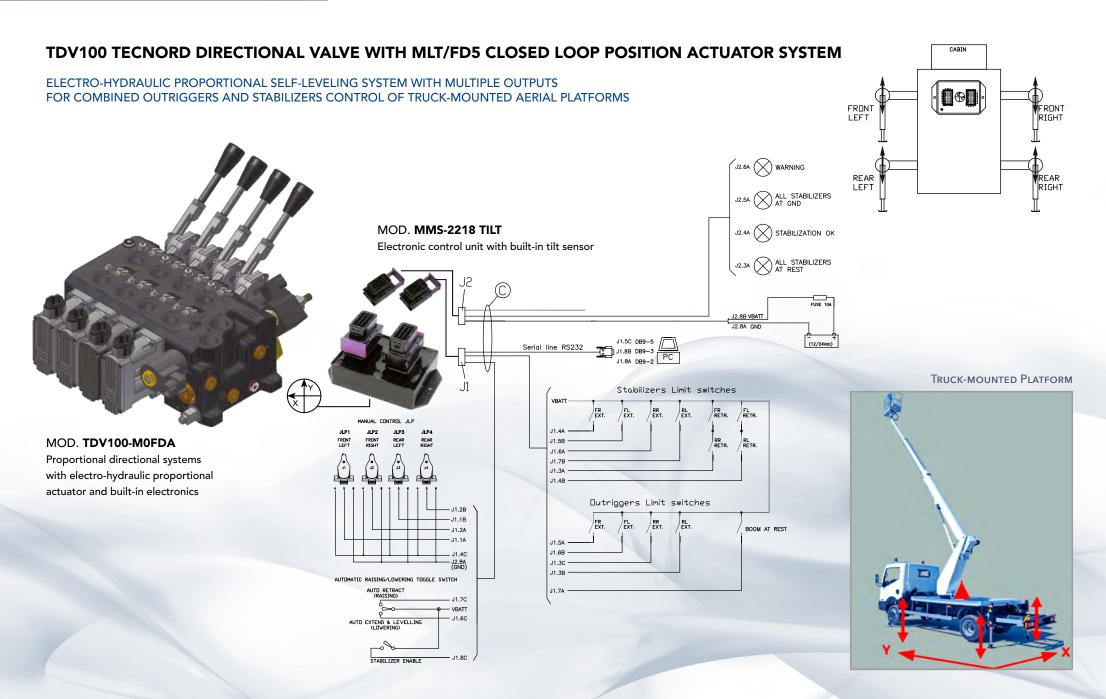
4-functions manifold block with solenoid-operated ON-OFF cartridge valves and DUAL PATTERN pressure compensated, 3 way proportional control valves system

SELF PROPELLED AERIAL PLATFORM



**HYDRAULIC DIAGRAM** 





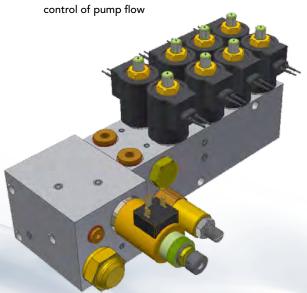


COMBINED ON-OFF (FUNCTION SELECTION & DIRECTIONAL CONTROL) WITH PROPORTIONAL 3 WAY/METER-IN CONTROL OF PUMP FLOW AND 4 ON/OFF FUNCTIONS METER-IN SHW TRANSMITTER

# MOD. EC-MMS-0713-H VB1 TECNORD VA1 MOD. RX-CAN-2G4 VB2 CANbus radio receiver VA2 VB3 VA3 MOD. RC-SHW-4F VB4 Single-hand radio controller VA4 with CANbus interface VB1 A В VB2 M-11 HYDRAULIC DIAGRAM VA1 M8 Jic+M8 FLT A4 B4 A3 B3 A2 B2 A1 B1

# MOD. VOM-AF-32

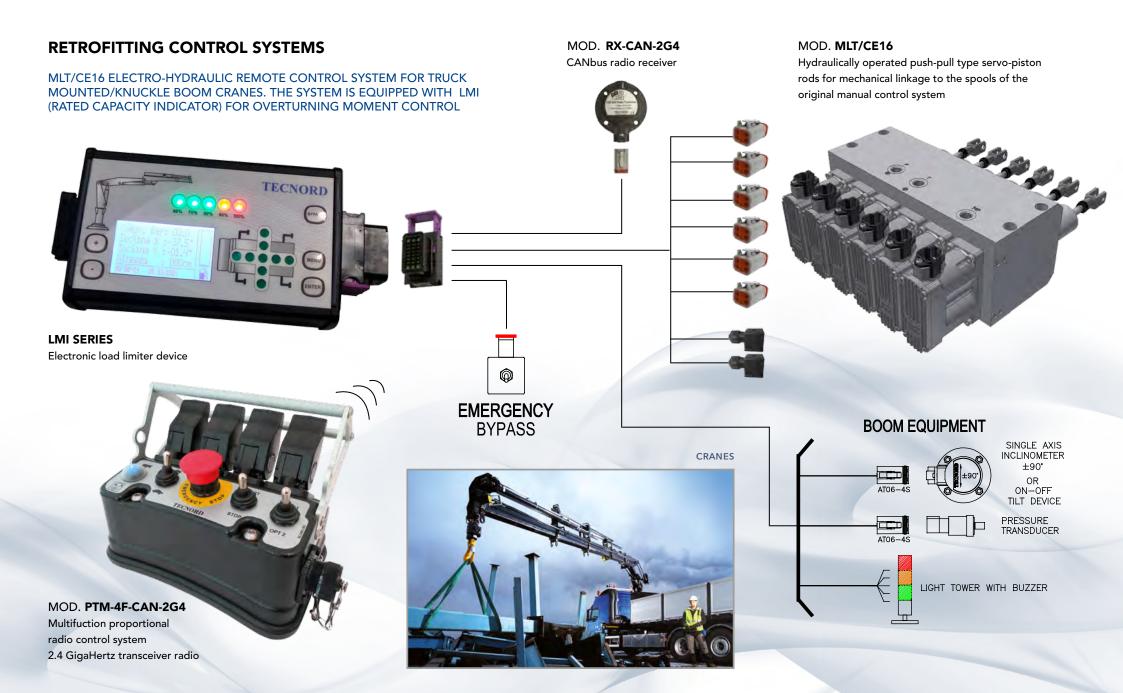
Electro-hydraulic manifold block with 4 ea ON-OFF bidirectional selector valves and 3 way, pressure compensated flow regulator for meter-in

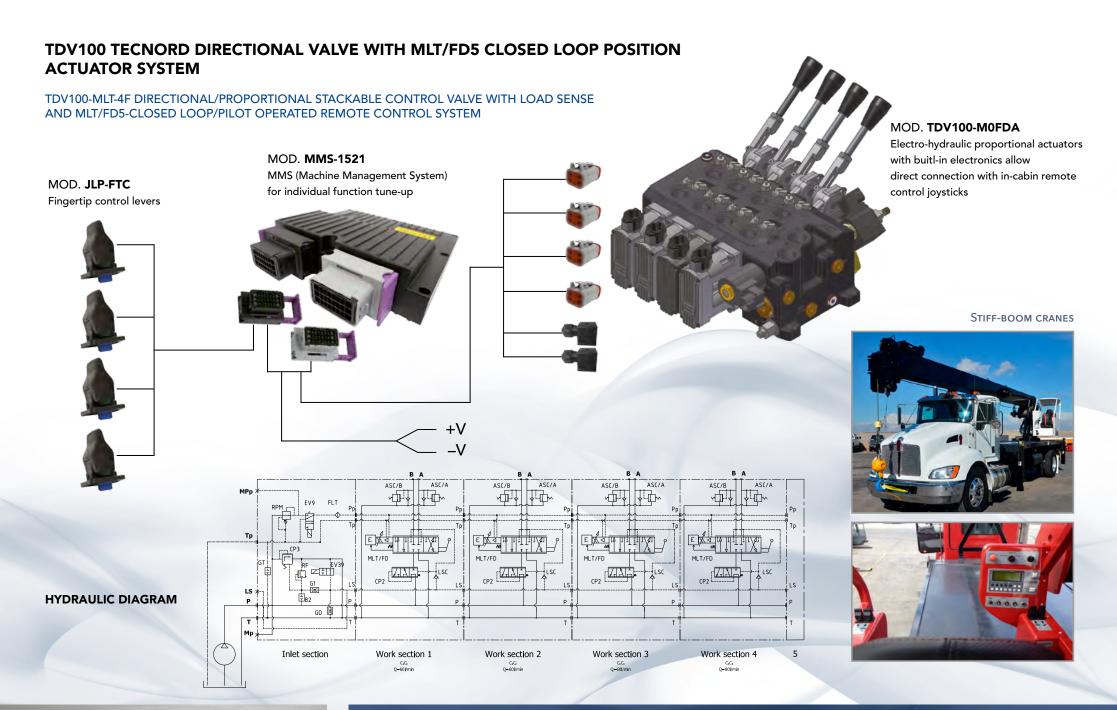


SERVICE CRANE



# **CRANES**



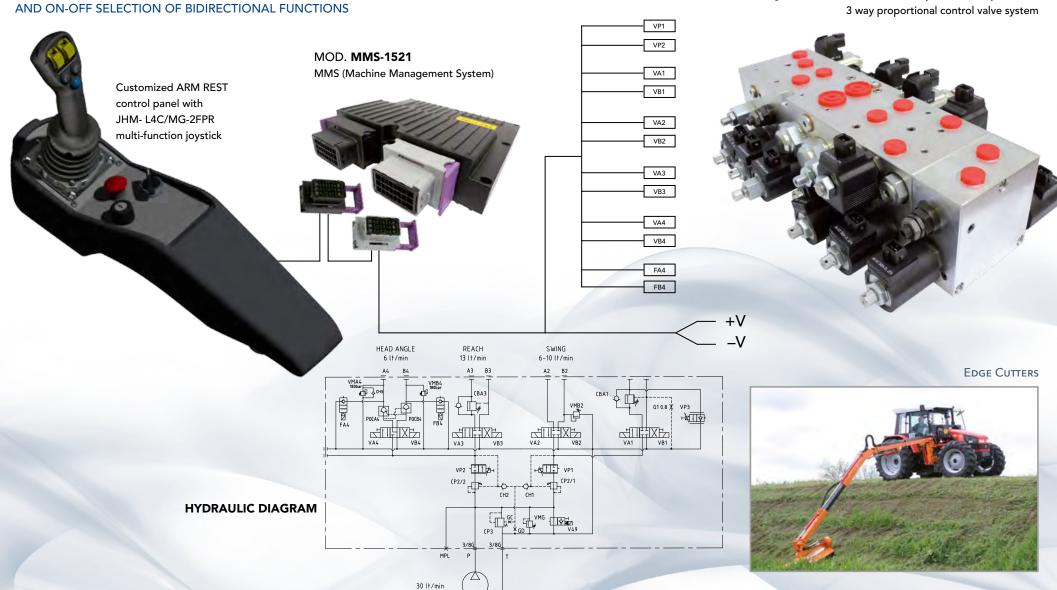


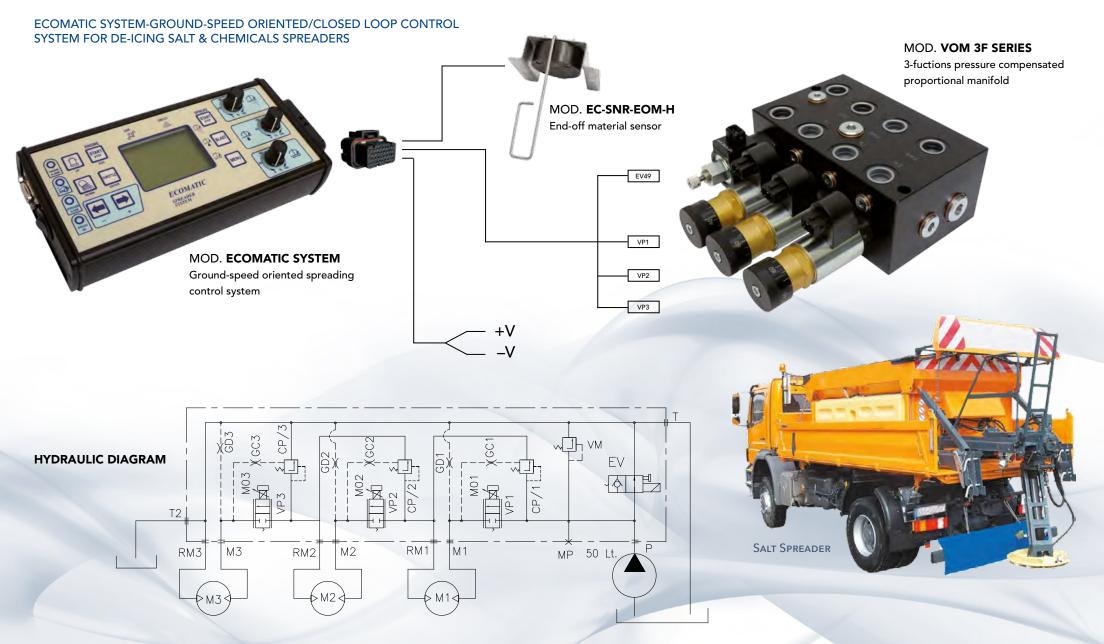
ELECTRO-HYDRAULIC 4-FUNCTIONS SYSTEM WITH DUAL PATTERN/METER-IN PROPORTIONAL CONTROL

# VALV-O-MATIC MULTI-FUNCTION CONTROL VALVE

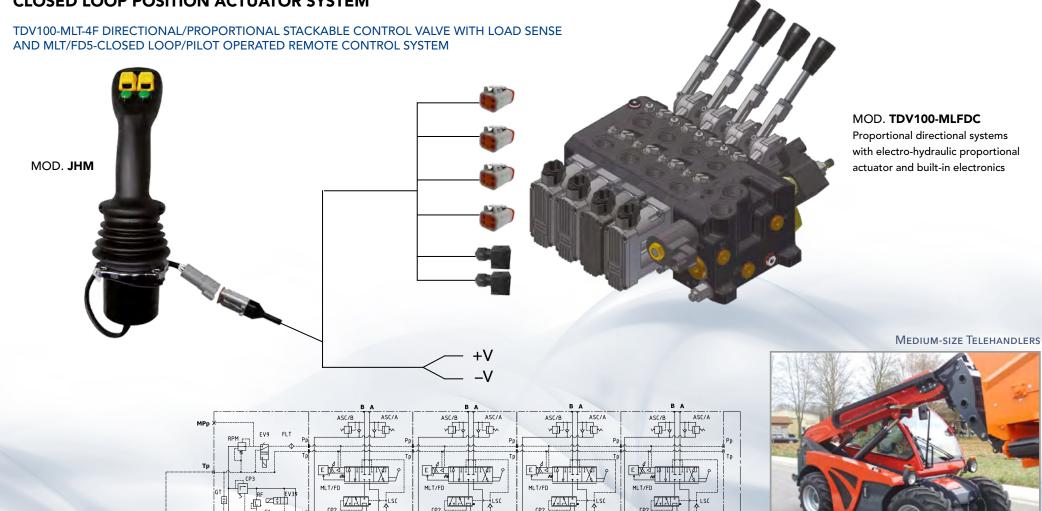
## MOD. VOM-AF-DUAL-PROP.

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









**HYDRAULIC DIAGRAM** 

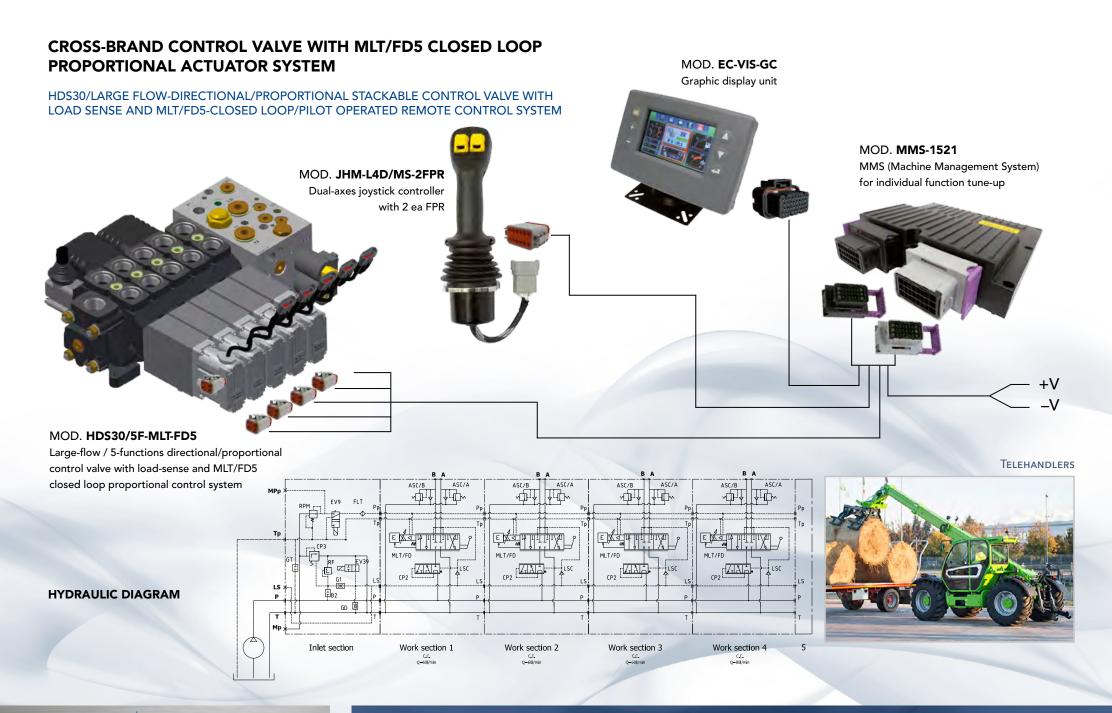
Inlet section

Work section 1

Work section 2

Work section 3

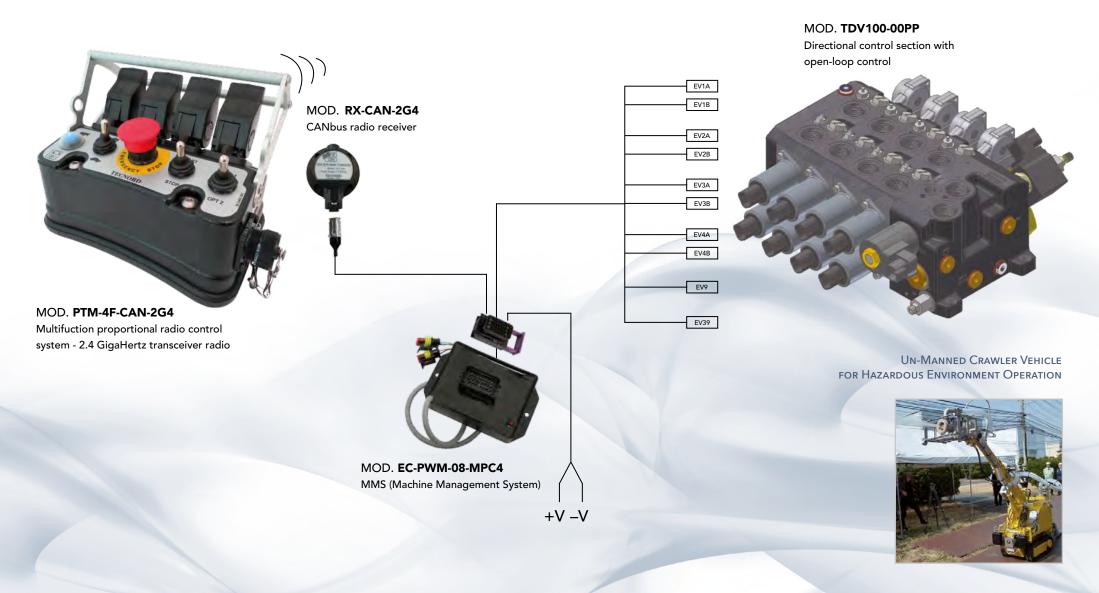
Work section 4



# **CRAWLER VEHICLES**

# 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



# FIELDS OF EXPERTISE APPLICATION EXAMPLES



