

## Hydraulic Valves

- 1. Direction Control Valves:**  
5 sizes from NG 6 to NG 32. Flow up to 2000 lpm, 350 bar. Electric, hydraulic and pneumatic actuation.
- 2. Low Watt Direction Control Valves:**  
Electrical connection to DIN 43650 or M12X1 and DESINA Version.
- 3. Electric Control Pilot Operated:**  
4 sizes from NG10 to NG 32, Flow up to 2000 lpm, 350 bar, Manifold mounting according to DIN, ISO, CETOP, NFPA.
- 4. Proportional Valves:**  
5 sizes from NG 6 to NG 32. Flow up to 2000 lpm, 350 bar, Manifold mounting according to DIN, ISO, CETOP, NFPA. Interfaces with integrated electronics. High response for closed loop application.
- 5. Digital Electronics for Valve amplifier:**  
Digital and reproducible input signals, ramps parameters. Double PWM amplifiers. High safety and compliant with EMV specifications. RS 232 serial interface. For Electrohydraulic axis regulators.
- 6. Pressure, flow and check valves:**  
4 sizes for NG 6 to NG32. Flow up to 350 lpm, 350 bar, manifold mounting, mechanically adjustable, Electrically dischargeable or proportionally adjustable through integrated or external electronics.
- 7. Flow Control Metering and shut off valves:**  
Manatrol color flow series: 9 Sizes from 1/8 inch to 2 inch BSP. Flow up to 600 lpm, 350 bar. Inline & manifold mounting.
- 8. Sandwich Type Manapak Valves:**  
4 sizes NG 6 to NG 25. Up to 350 bar. RM Pressure relief Valve. PRM pressure reduction valve, FM flow control valve. CM directly operated check Valve, CPOM Pilot operated check Valve.
- 9. Pressure Switches:**  
Flange & treaded connection. Switching pressure range 3 -250 bar, Pressure capability 315 bar. Adjustments with hollow hexagonal screw or scaled knob. AC/DC power supply. Optional locking knob.
- 10. Pressure Intensifiers:**  
Mounting pattern NG 6. Check valves NG 6 and NG 10 with subplate mounting option. Maximum pressure up to 500 bar. Transmission ratio 1:2 and 1:4. Continuous flow increases with minor pulsation effect.
- 11. Threaded Cartridge Valves:**  
Directional pressure, flow and shut-off valves. Housing optional. 5 sizes up to 250 lpm, 210 bar.  
Solenoid or proportional actuation. Industrial or mobile applications.
- 12. Slip-in Cartridge valves:**  
DIN 24342. 8 sizes NG 16 to NG 100, Flow up to 10000 lpm, 350 bar, Modular construction system for pilot valves and cartridges. Also as safety valve with position control position control.