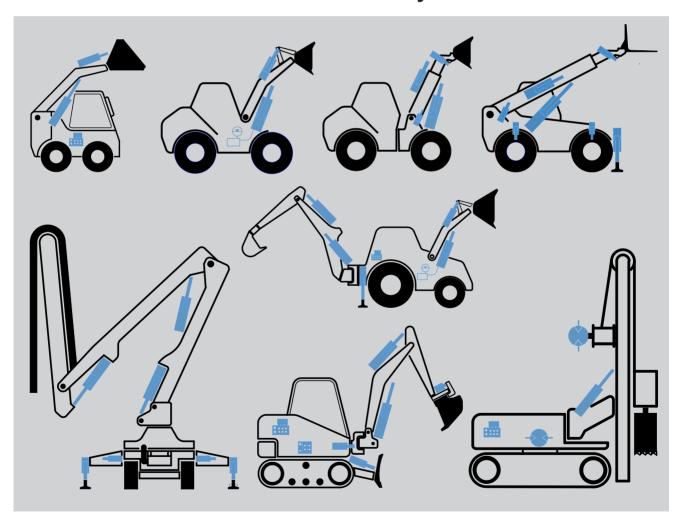


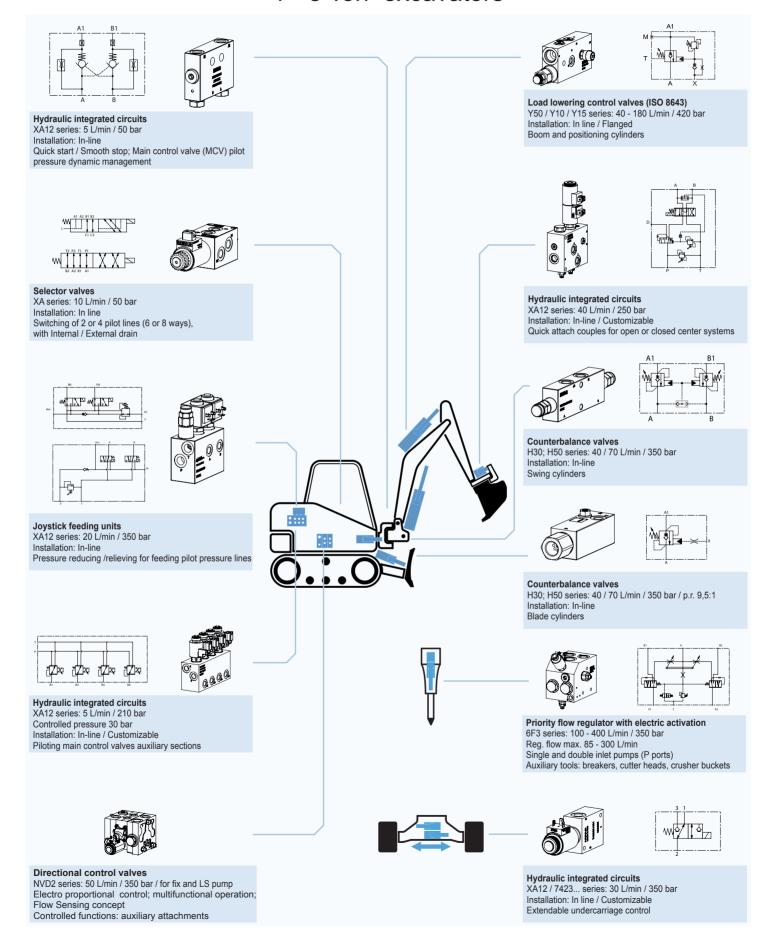
Solutions from NEM ...

... for Construction Machinery



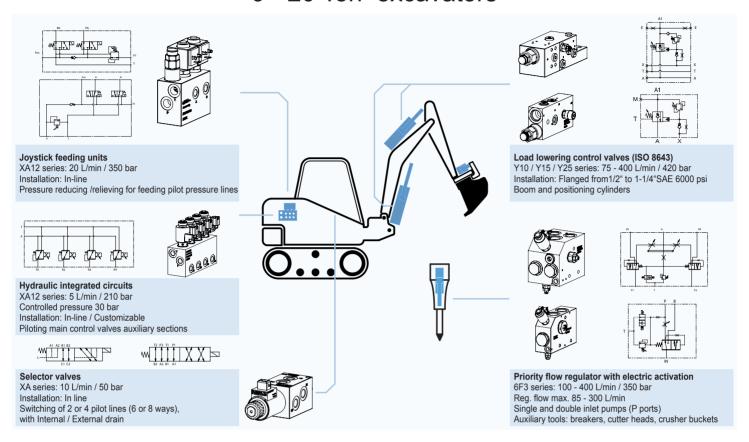


1 - 8 Ton excavators

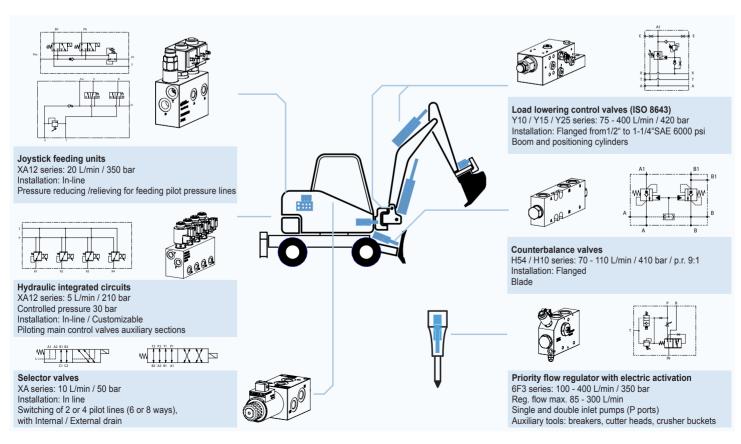


Solutions for Construction Machinery

9 - 20 Ton excavators

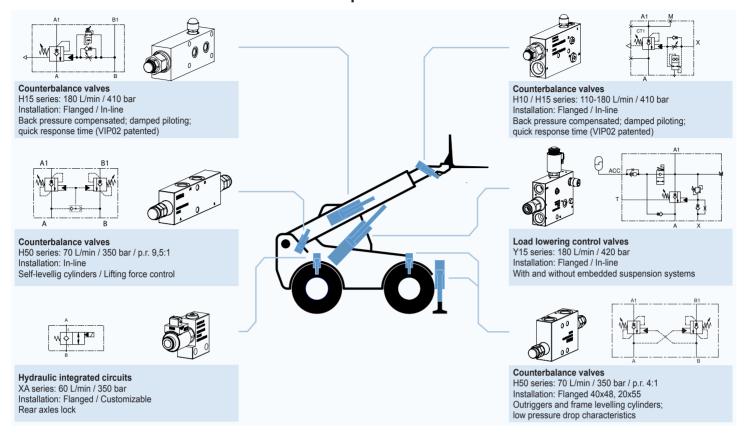


Wheel excavators

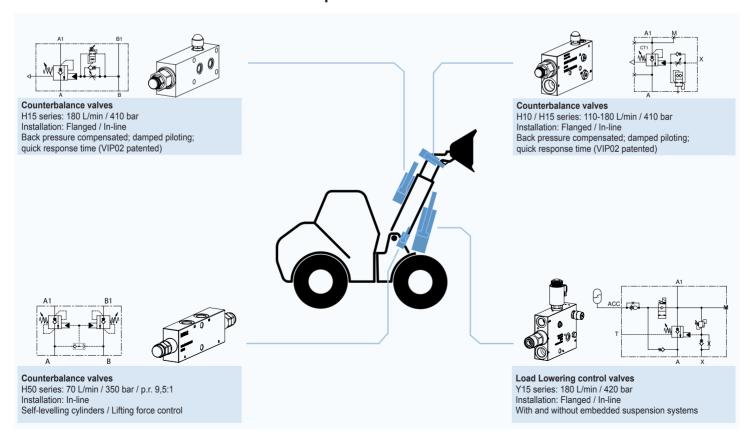




Telescopic handlers

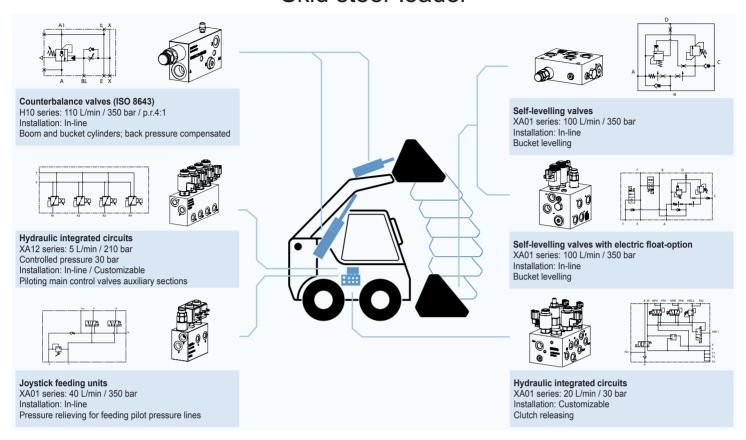


Telescopic wheel loaders

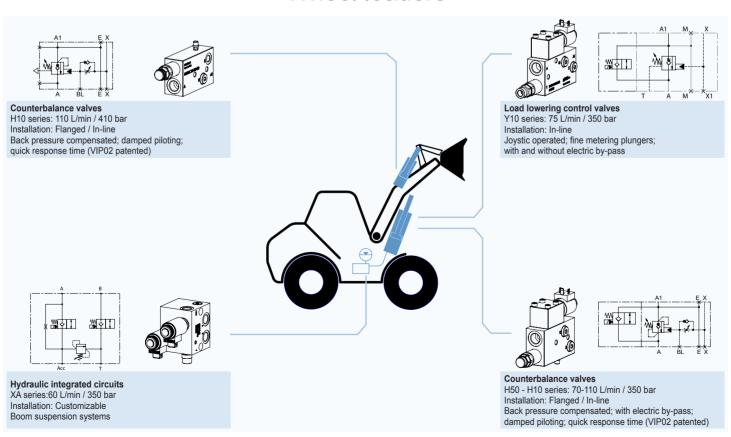


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Skid steer loader

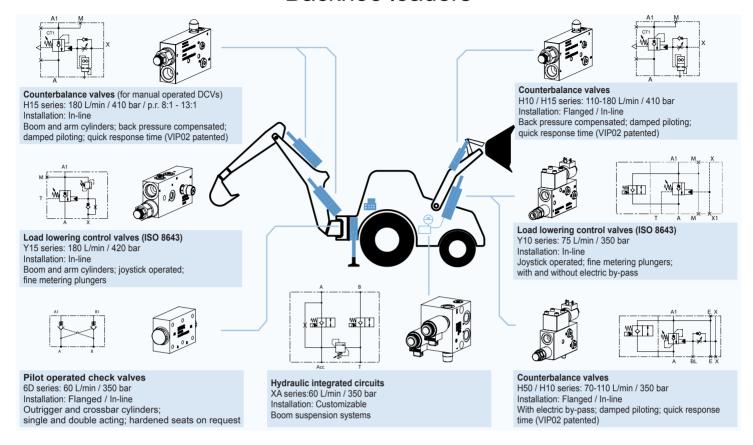


Wheel loaders

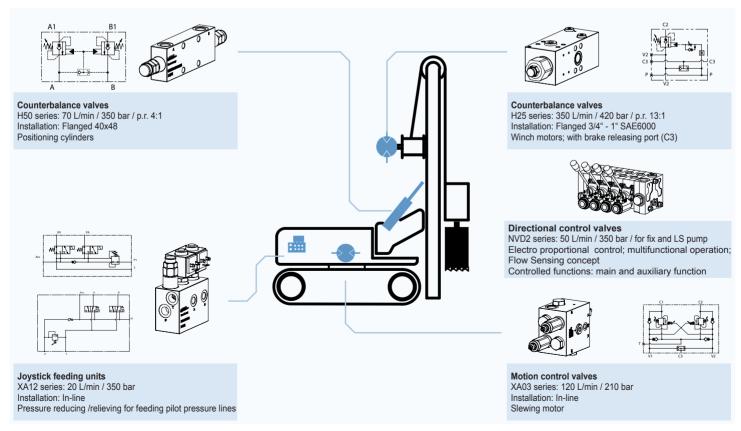




Backhoe loaders

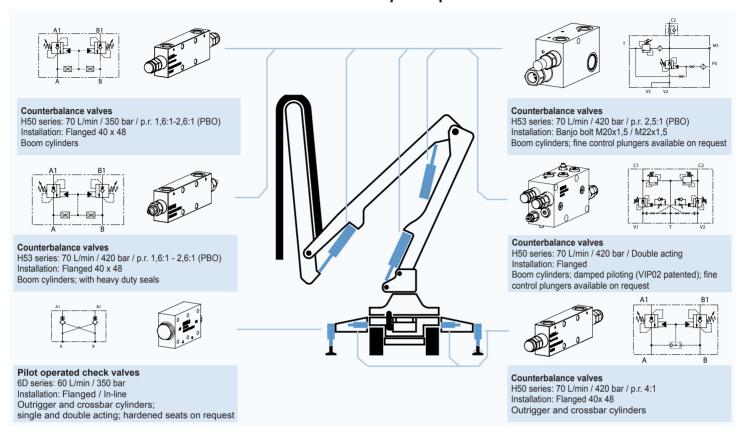


Drilling



Solutions for Construction Machinery

Concrete pumps



New developments and special features



LHD-Y series

NEM's range of load lowering control valves (ISO 8643)

NEM's joystick operated load lowering control valves, the Y series (EN474; ISO 8643), are definetly a step forward in matching the directional valve spool metering characteristics without any compromise. Extended plunger strokes and accurate fine metering allow to fix their opening pilot pressure closest to the joystick's starting position. This way the operators can operate safely without feeling any difference in comparison with the standard versions without load lowering control valves.



VIP-02

Valve to Intercept Pilot signals European patent - EP2342253

When the machine's boom lowering stability is an issue, NEM can provide a patented pilot dampening device that ensures the stability of hydraulic lifting equipment during lowering manoeuvres, especially on those applications characterized by load sensing flow control systems or by variable displacement pumps.

This device (VIP-02) allows a stable piloting and quick opening in order to reach a stable performance and a fast response time regardless of oil viscosity.



U-valves concept

Energy saving & electrification from NEM motion control valves

Energy saving and electronics Vs reliability, a challenge that NEM engineers are ready to play by the U-valves program.

The U-valves program promotes functional principles that: bring the gravity to drive load lowering operations and the motion control valves electrification.

Through the U-valves program NEM's engineers support our customers in developing innovative energy saving solutions.



NVD2

New: flow sensing control valve with on-off actuation

NVD2 is a highly innovative directional control valve, its technology (patented) impressively joins constructive simplicity and high functional performance.

The flow sensing working principle which characterizes the NVD2 valves makes the flow control independent from simultaneous loads with a great stability.

In addition to the typical electroproportional controls, is now available an On/Off actuated version, which allows to simplify the electric control without compromising the Flow Sensing multifunctional working features.

Products to fit any of your needs Ideas to enhance your performance

NEM, founded in 1995, is a valve manufacturer specialising in the development of hydraulic solutions for mobile, agricultural and industrial applications.

Our goal is to be a reliable partner, providing our customers a state of the art service, delivered by highly qualified technical staff, to achieve customized solutions.

At NEM we are aware that the future of the hydraulic industry is in system engineering. Therefore we are developing and manufacturing top quality products, which can be fully integrated into many different applications. NEM components ensure the highest level of performance and safety in any application; this, together with our focus on innovation, has gained us the trust and appreciation of leading machine manufacturers worldwide

NEM's products can count on a wide range of options, from cartridge valves and hydraulic integrated circuits to Parts-In-Body counterbalance valves and flow control valves.

All our products can be selected from our catalogues or customised by NEM's application engineers to develop a selection of valves specifically designed for different applications in order to respond to any of our customer needs.

Last but not least, NEM can also provide its own range of compact directional control valves, rated for metered flows up to 70 L/min.

All these products, together with our innovative solutions for load and flow sensing control valves demonstrate our attitude towards engineering fluid power solutions.

Mechanical and Electrical Cartridge Valves

Pressure control valves p_{\max} 350 bar Counterbalance valves Q_{\max} 300 L/min Directional control valves Cavity up to SAE 20

Flow control valves



Parts-in-Body Valves

Load holding / Motion control valves
Boom lowering control valves
PO check valves

Pressure control valves
Flow control valves

o_{max} 420 bar Q_{max} 500 L/min

s up to 11/, SAE6000



Hydraulic Integrated Circuits

Weight lifting $p_{\rm max}$ 350 bar Earth moving $Q_{\rm max}$ 200 L/min

Agricultural vehicles Industrial vehicles



Directional Control Valves

Flow sensing $p_{\rm max}$ 350 bar Load sensing $Q_{\rm max}$ 70 L/min Load independent Ports BSP 3/8"



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