

USEFUL PAGES

SAFETY INSTRUCTIONS

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CYLINDERS



Always provide a solid support for the entire cylinder base area. For an improved stability, use its accessories.



Make sure that the two areas on which the cylinder develop its force are sufficiently strong and non-deformable.



Never use cylinders without the saddle, as they distribute the load evenly and prevent damage to the piston.



The cylinder saddle must be in contact with the load and the cylinder movement must be in axis with the load movement.



Avoid any lifting of off centred loads which could damage the cylinder. The use of a tilt saddle allows a misalignment of the load $\pm 5^\circ$.



To hold the lifted load use a needle or a pilot check valve in addition to the pump or power pack valve. In case the load has to be held over a long period use a cylinder with a safety lock nut.



Never work near the load supported only by the hydraulic components. The safety lock nut of the cylinders has to be continuously screwed down onto the body of the cylinder during the lifting operation.



Never place any part of your body under the load and for additional safety it's best if you support the load mechanically.



Keep your hydraulic equipment away from temperatures above 65°C (150°F).



EPP components are treated against corrosion. Nevertheless in case of operations in very humid areas or marine environments, please contact our Technical Department for more information.

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Avoid retracting the piston too quickly if it is still under load. A sudden retraction creates pressure shocks in the hydraulic circuit. Slowly turn the hand pump and power pack release valve. when 3 or 4- ways valves are used in a maintained position it is advised to insert a flux regulation valve between the directional valve and the cylinder in order to have a controlled lowering speed of the load. When lowering the load with more than one cylinder working in parallel avoid discharging the pressure one cylinder at a time because this could transfer all the load on the next cylinders which could result dangerously over-charged.



Never exceed the maximum working pressure indicated for any cylinder range.



Do not use any component with a load exceeding their nominal capacity. Always use a gauge to check the circuit pressure or tonnage.



EUROPRESS CYLINDERS HAVE BEEN DESIGNED WITH GREAT SAFETY MARGINS. DESPITE THEIR SAFETY, ALWAYS KEEP IN CONSIDERATION THE LOAD TO BE LIFTED, ALWAYS CHOOSE A CYLINDER WITH AT LEAST 20% MORE CAPACITY THAN THE REQUESTED LOAD.

HYDRAULIC HOSES



Always keep the hoses away from the area under the load.



Do not lift any hydraulic component by the hose.



Before connecting, clean the couplers properly and to avoid contamination use the dust caps when not connected. Be sure to screw the female coupler until it is flush to allow the oil flow in both directions (screw type couplers).



Only disconnect the cylinder from the pump when the rod has fully retracted and the pressure inside has been released.



Do not fold hoses. The bending radius must not be under 70 mm. Do not walk over or drop heavy objects on them.

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PUMPS



Never refill the pump above the indicated level and whilst the pump is connected to a partially extended cylinder.



We recommend to use EUROPRESS hydraulic oil only. Its viscosity and lubrication features guarantee the highest operational efficiency and a longer life of the equipment. The hydraulic oil temperature must not exceed 60°C (140° F). To operate at higher temperatures or with different fluids please contact our Technical Department.



Do not use any extension on the pump handle. It is easy to operate hand pumps when properly handled.



We recommend to read carefully EUROPRESS safety instructions before using products.



Use your fingers to close the release valve, a tool could cause damage.



Use EUROPRESS hydraulic oil only, to keep the seals intact.

This catalogue has been prepared with the utmost care.

All data and information have been checked and verified before printing. In spite of this and due to the continuous improvement and evolution of the EUROPRESS production range, we take the right to modify or abolish any products from this catalogue. Consequently information included here could vary with no prior notice.

Small differences could arise due to production tolerances.

Please contact EUROPRESS if dimensions are essential.