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## HYDRAULIC BUFFER INSTRUCTION MANUAL



ABT EYL - HT6 and HT7 hydraulic buffers should be used in energy-consuming hydraulic buffer lift installations. It is designed to comply with the 95/16 / EC directive and EN 81-20: 2015, EN 81-50: 2014 standards as cabin and counter weight buffer and to be used in all elevators as it is within the limits of usage area. Use for other purposes is not appropriate.



In case the elevator exceeds the navigating distance, halting of the elevator is provided by a collapse on the buffer. When the cabin or counterweight sits on the buffer, it applies pressure to the piston. With this pressure, oil in the cylinder passes through the holes in the cylinder wall and is transferred to the outer cylinder. The measurements of the holes, the number of the holes, the amount of oil and the stroke amount are designed in the right proportion by providing the braking. When the buffer moves down, a mechanical switch trips into the circuit to shut off the electric. With the discharge of the load on the hydraulic buffer, switch returns to the operating position by the spring pressure.



The hydraulic buffer is an approved safety device as per the standards. It must be used, assembled, commissioned, the elevator shaft must meet the standards required, and no changes should be made to the shipped product in preparation for operation. Maintenance should be done at least twice a year at regular intervals, installation style and tightness of bolts, oil level control, oil marking, drop or crack control should be done by hand and eye contact.



The function of the safety switch must be checked, if possible by pressing it manually, the resistance against the resistance must be felt and it should be seen that the safety switch turned back and forth is turned on and off. If a defect occurs, it must be replaced with a new one as it will prevent the functions from being performed.