

ZOK-80 CUT-OFF VALVE

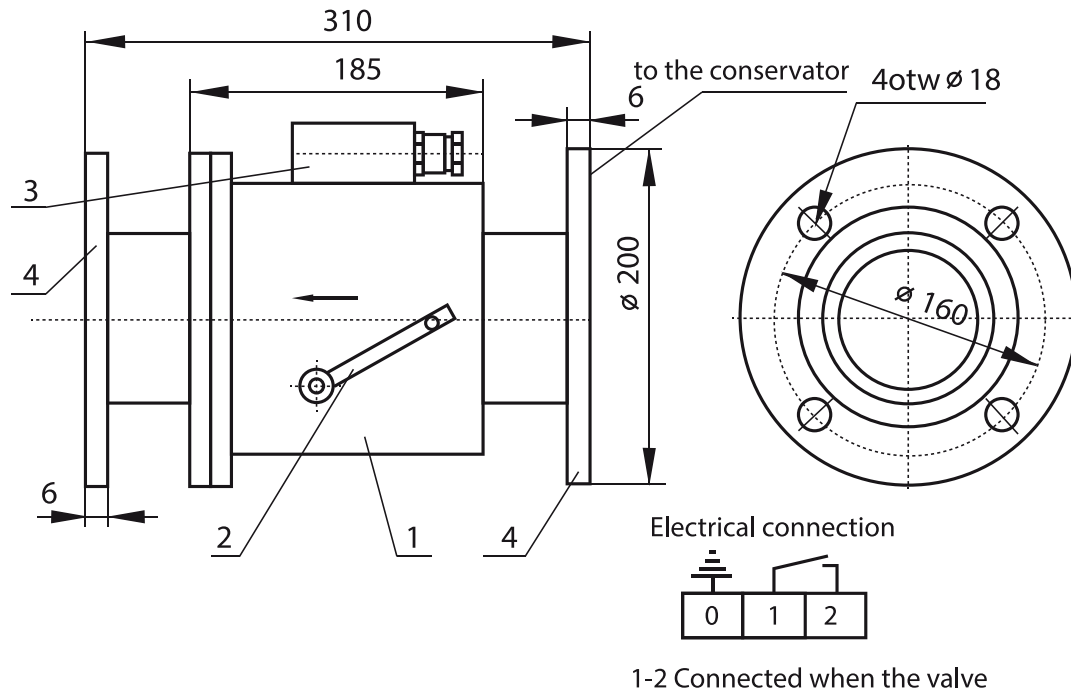
APPLICATION

The ZOK Cut-Off Valve is designed to stop outflow of oil from a transformer conservator in case of a sudden outflow of oil from the transformer tank due to its impairment. The valve is provided with an optical indicator and electric contacts, which allow remote observation of its closed position. The valve is suitable for fitting in a pipe connecting the conservator with the tank cover.



TECHNICAL DATA

Operating temperature	from -30°C to +100°C
Inlet and outlet size	80 mm
Flow to shut the valve	85 ± 5 dcm / min
Electric contacts rating	1A 230 V
Dimension	see drawing
Mass	15.5 kg
Climate	no limitation
Maintenance	no required



DESIGN AND OPERATION

A steel case 1 houses a spring operated flap which remains open under normal operating conditions to allow bi-directional limited oil flow between the conservator and tank, resulting from the oil temperature variations. Under abnormal conditions (tank damage) the oil flow and consequently the oil pressure rapidly increase causing the flap to close. The valve closed position is indicated by a red area, visible through a suitable sight-glass on the valve case. With normal condition restored the valve is to be open manually by moving lever 2 downwards as far as possible. The valve is also provided with a reed switch operated by a magnet, fitted to the valve flap. On closing the valve, the magnet actuates the red switch. The switch contacts can be used for remote observation of the valve closed position. Electric cable enter the terminal box 3 through a 13.5 gland. The valve case is provided with two, of same size, connecting flanges 4. Note: special versions of the valve are available on request.