

## REMOTE LEVEL INDICATOR

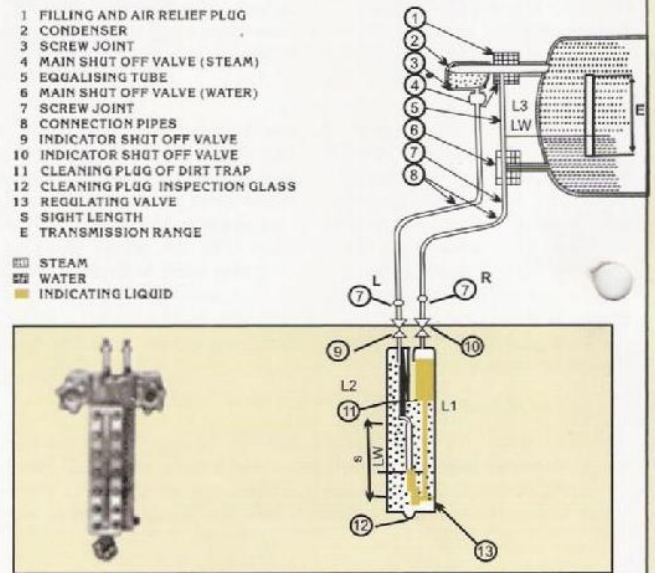
The Remote water-level indicator transmits the water-level fluctuations in the boiler drum, or in the tank to the working position of the attendant.

Above the water - insoluble and specifically heavier indicating liquid in leg 1, which is connected with the water space of the boiler, stands the boiler water. In leg 2 is the steam condensate from the steam space of the boiler. By recondensing the steam the water level in leg 2 is continually kept constant. Condensate in excess is continually flowing back through leg 3 into the boiler (in the case of cold pressure tanks a drip-water feed is fitted on the condenser). Maximum Pressure 100 kg/cm<sup>2</sup>, and available in standard lengths of 350mm and above.

Every displacement of the water level in the boiler, resp. in leg 3, produces an analogous equal displacement of indicating liquid in the inspection glass. If e.g. the water in the boiler rises, the increasing water column in the legs 1-3 presses the red indicating liquid (sealing liquid) from leg 1 into leg 2 and indicates in the Inspection glass of the indicator a rise of the water level. The water displaced from leg 2 flows from the condenser into leg 3 resp. into the boiler. If the water level in the drum falls, the indicating liquid in leg 2 resp. in the inspection glass, falls correspondingly. By condensation of water vapour in the condenser the water level in leg 2 is continually filled up and is consequently continually kept constant.

- 1 FILLING AND AIR RELIEF PLUG
- 2 CONDENSER
- 3 SCREW JOINT
- 4 MAIN SHUT OFF VALVE (STEAM)
- 5 EQUALISING TUBE
- 6 MAIN SHUT OFF VALVE (WATER)
- 7 SCREW JOINT
- 8 CONNECTION PIPES
- 9 INDICATOR SHUT OFF VALVE
- 10 INDICATOR SHUT OFF VALVE
- 11 CLEANING PLUG OF DIRT TRAP
- 12 CLEANING PLUG INSPECTION GLASS
- 13 REGULATING VALVE
- S SIGHT LENGTH
- E TRANSMISSION RANGE

■ STEAM  
 ■ WATER  
 ■ INDICATING LIQUID



**OUR OTHER PRODUCTS:** Level Gauges, Level Switch, Flow Switches, Orifice Plates, Manometer, Rotameters, SRV, PRV, Ball Valves, Breather Valves, Gate-Globe-Check Valves, Flame Arrestors, Flush Bottom Valves, Strainers, Instrumentation Valves & Manifolds.

## LEVEL GAUGES CATALOGUE NO LG/2200



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