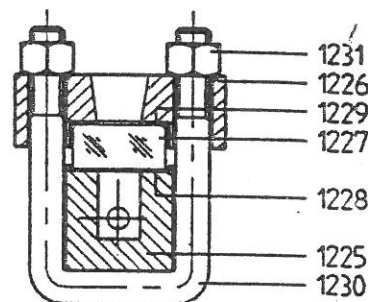
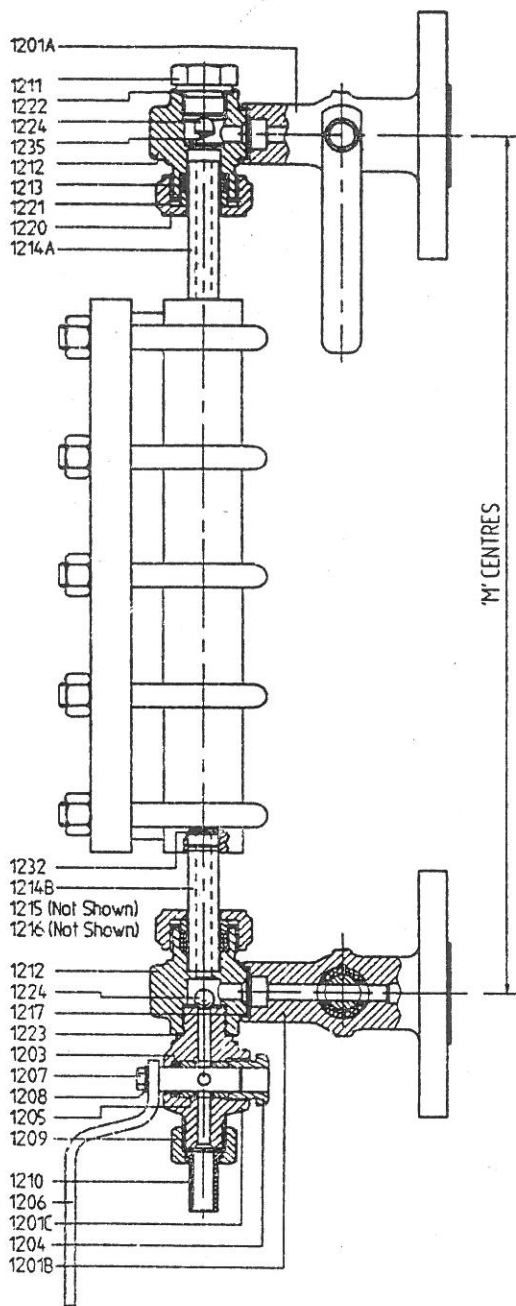


INSTALLATION AND SERVICE GUIDE FOR REFLEX LEVEL GAUGE TYPE R100 WITH 'D' TYPE COCKS



The level gauge & cocks are suitable for use with steam up to 20 bar and are Tested at 580 psi hydraulic at ambient temperature. The cocks are fitted with shut off balls in the top & bottom arms.

1. COMMISSIONING

Thermal shock considerably affects the life and performance of the glasses. If a complete plant is being commissioned thermal shock is generally not too great for the gauge as long as the gauge cocks are left in the OPEN POSITION.

If the gauge has been isolated for maintenance, while the rest of the plant is under temperature and pressure then the following procedure is recommended to bring the gauge back into service.

- 1.1 With both cocks shut, open the drain cock slightly [to prevent top ball sealing], then slowly open the top cock to allow a small flow of steam to pass through the gauge until working temperature is attained.
- 1.2 Close drain cock allowing the resulting condensate to gradually fill the gauge
- 1.3 Open the top cock fully.
- 1.4 Open the bottom cock fully
- 1.5 During the commissioning period the covers and their joints could settle and it is essential therefore to follow up all clamping bolts to maintain the recommended torque of 36 ft lbs (5.0 mkp) (for correct order see Tightening procedure). The tightening nut on the stuffing boxes, and the top and bottom cocks should also be pulled up tight (the plug should be in the OPEN POSITION during this operation).

PARTS LIST

1201A	Top cock body	1214B	Bottom tube
1201B	Bottom cock body	1215	Stuffing box stud
1201C	Drain Cock body	1216	Stuffing box nut
1202	Plug	1217	Stuffing box joint
1203	Split Ring	1220	Stuffing box tightening nut
1204	Tightening nut	1221	Distance ring
1205	Packing sleeve	1222	Cleaning plug joint
1206	Lever	1223	Drain cock joint
1207	Lever screw	1224	Ball check
1208	Lever washer	1225	Centre piece
1209	Union nut	1226	Cover
1210	Union tailpipe	1227	Glass
1211	Cleaning plug	1228	Sealing joint
1212	Stuffing box	1229	Cushion joint
1213	16mm gland ring	1230	Bolt
1214A	Top tube	1231	Nut
		1232	Copper Joint
		1235	Spring

TIGHTENING PROCEDURE

