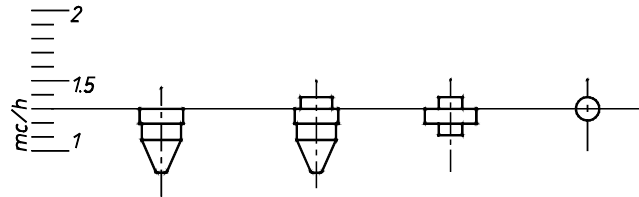
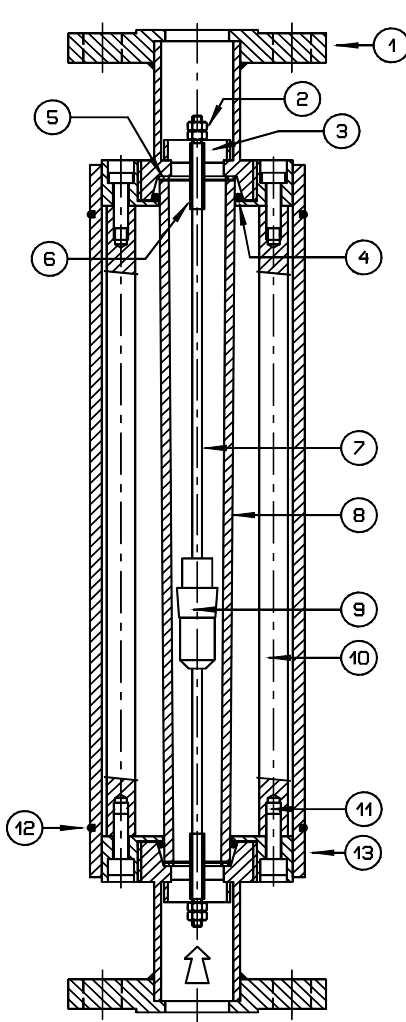


INSTRUCTIONS FOR USE AND MAINTENANCE FLOWMETER SERIES 500 FLANGED AND SCREWED WITH GUIDED FLOAT

The instrument must be mounted in vertical position with the flow direction upwards.

Before fixing the instrument to the pipe it should be assured that the rod which bolcks the float (9) (during the trasport) has been removed and that the flow is free to move along the entire scale. When starting the installation, much attention should be paid to the fact that the working flow is reached slowly and gradually since a sudden increase of the flow might cause sensible pressure variations in the pipe with such peaks to cause the breakage of the glass tube (8).

In working conditions, the float (9) stabilizes in well determined position of the glass tube (8) and the reading of the flow has to be carried out where the diameter of the float is biggest, as indicated in the example herebelow, where all float give a flow of 1,3 mc/h.



- 1) CONNECTIONS FLANGED
- 2) NUTS
- 3) SUPPORT
- 4) GASKET
- 5) RING
- 6) STOPPER
- 7) GUIDE
- 8) GLASS TUBE
- 9) FLOAT
- 10) SUPPORTING STRUT
- 11) SCREW
- 12) RING
- 13) PROTECTION

Disassembly of the instrument

- a) Remove the ring (12) and the protection (13) (if it there is);
- b) Remove the stopper (6) -in the instruments with guided float, remove first the guiding rod (7) by unscrewing the nuts (2) and the support (3);
- c) Extract the float (9);
- d) Unscrew the connections flanged (1), remove the gaskets (4) and the glass tube (8);
- e) Holding the flanges still (14) unscrew the screw (11).

For an always correct measurements of the flow it is necessary to keep the instrument always perfectly clean, eliminating deposits and foulings with particular care inside the glass tube (8), the float (9) and in case of guided float, the guide (7) controlling at the end of the operation that the float (9) is perfectly free to slide without friction.

For re-assembling the instrument, do same operations given as for the disassembly, but in opposite sequence. In case the quided float a particular attention should be paid for the correct positioning of the guide (7) which shall have to be perfectly centered (in respect of the glass tube) profitin by the existing slack between the supports (3) and their seat.

Disposal

The disposal of the produced instruments must be according to the rules in force, both for what concerns obnoxious toxic material (mercury contained in microswitches), and for what concerns special materials (PVC; moplen; P.T.F.E.; neoprene; viton; asbestos free joints;PVDF; steel and alloy; aluminium; copper; brass; plexiglass and glass).

N.B. IN CASES WHEN THE INSTRUMENTS ARE MEANT TO BE USED IN AREAS FEATURING POTENTIALLY EXPLOSIVE ATHMOSPHERES, THE USER SHALL COMPLY WITH THE **ADDITIONAL SAFETY INSTRUCTIONS** ATTACHED TO THE STANDARD ONES.