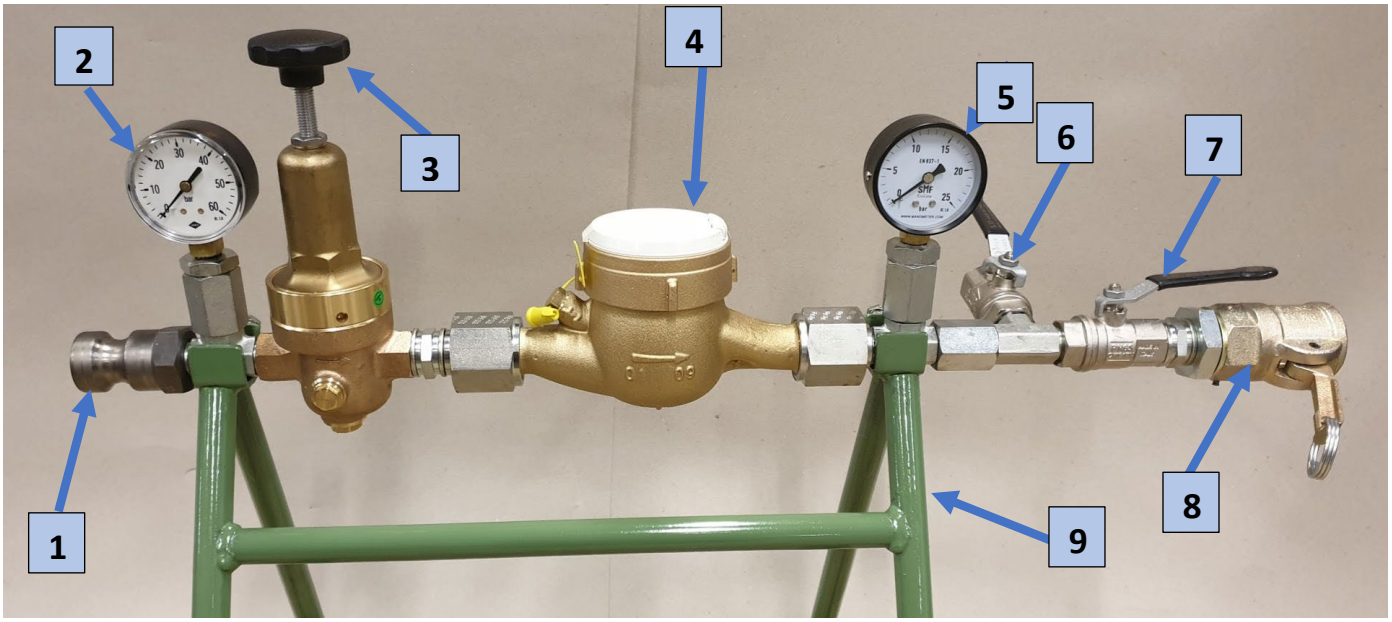
GMA Water-loss meter 800003010



1. Quick coupling 1” PN50-300 (male), to be connected to pump / waterconduit

2. Pressure gauge for incoming connection, 0-60 /0-40 Bar

3. Pressure reducing valve 1,5-20 Bar

4. Water meter (Wingwheel gauge)

5. Pressure gauge for outbound connection, 0-25 Bar

6. Ball valve ½” PN65 (drain)

7. Ball valve ½” PN65 drillhole /measure hole

8. Quick coupling 1” PN50 (female) for connection to borehole

9. Stand

Note: Pos 1 and Pos 8 can be exchanged for other connections according to customer requirements. Default is stated here.

Functional description:

A. Connect the water loss meter to pump / waterconduit (pos 1) and to bore holes (pos. 7). Start / Release water flow.

B. A. Close ball valve Pos 6 and pos 7. Set the desired pressure in the bore hole by screwing on the reducing valve (Pos 3) and reading the value on the pressure gauge Pos 5. Screwing the reducing valve clockwise increases pressure, counterclockwise decreases pressure.

C. Fill up boreholes with water until its flow stabilizes and set measurement pressure is again reached (open pos 7). Then read the pointers on the water meter (Pos 4) and note the current value. ***Note:*** *If the set measuring pressure is not reached again, there is likely to be great cracking in the rock.*

D. Measure water loss for the specified time by re-reading the pointers on water meters (Pos 4) when the specified time for water loss measurement has been reached. Subtract this new value on the water meter with the value noted under point C.

E. Drain water-loss meter by opening pos 6.

F. Water consumption in section D gives a value of cracks in the rock.