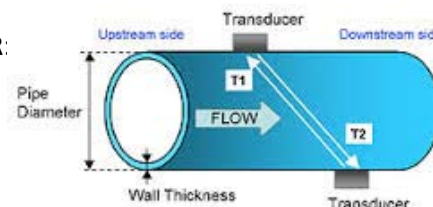


# PUMP TEST PROCEDURE CHECK LIST

## PREPERATION

- 1 ENSURE PUMP SITE IS SAFE
- 2 TAKE PHOTOS:
  - PUMP INSTALLATION
  - COMPLIANCE PLATES – PUMP & MOTOR
- 3 ASSESS SUITABLE LOCATION FOR ULTRASONIC FLOW METER:
  - MEASURE PIPE DIAMETER
  - MEASURE PIPE WALL THICKNESS
  - CALIBRATE & FIT METER AS PER DEVICE REQUIREMENT
- 4 LOCATE GAUGES
  - o DISCHARGE PRESSURE GAUGES x 2
    - 1 x IMMEDIATE DISCHARGE OF PUMP (PRIOR ANY VALVES OR FILTERS)
    - 1 x DOWNSTREAM OF LAST VALVE OR FILTER ON DISCHARGE
  - o SUCTION VACUUM GAUGE x 1



Note: If no Suction Gauge available, measure 'static height' from water level to centreline of pump suction, pipe length, diameter and type.

- 5 REV READINGS:
  - MARK MOTOR & PUMP SHAFTS WITH REFLECTIVE TAPE/WHITE OUT

## OPERATION

- 6 START PUMP IN NORMAL OPERATION
  - DOCUMENT START TIME

WATER METERS:

  - READ / PHOTOGRAPH FITTED ULTRASONIC WATER METER
  - READ / PHOTOGRAPH OTHER PERMANENT FITTED WATER METERS

MOTOR / POWER:

  - READ / PHOTOGRAPH POWER METER TOTALISER
  - UTILISE HAND HELD 'REV COUNTER' TO MEASURE MOTOR AND PUMP SPEEDS

FLOW / PRESSURE:

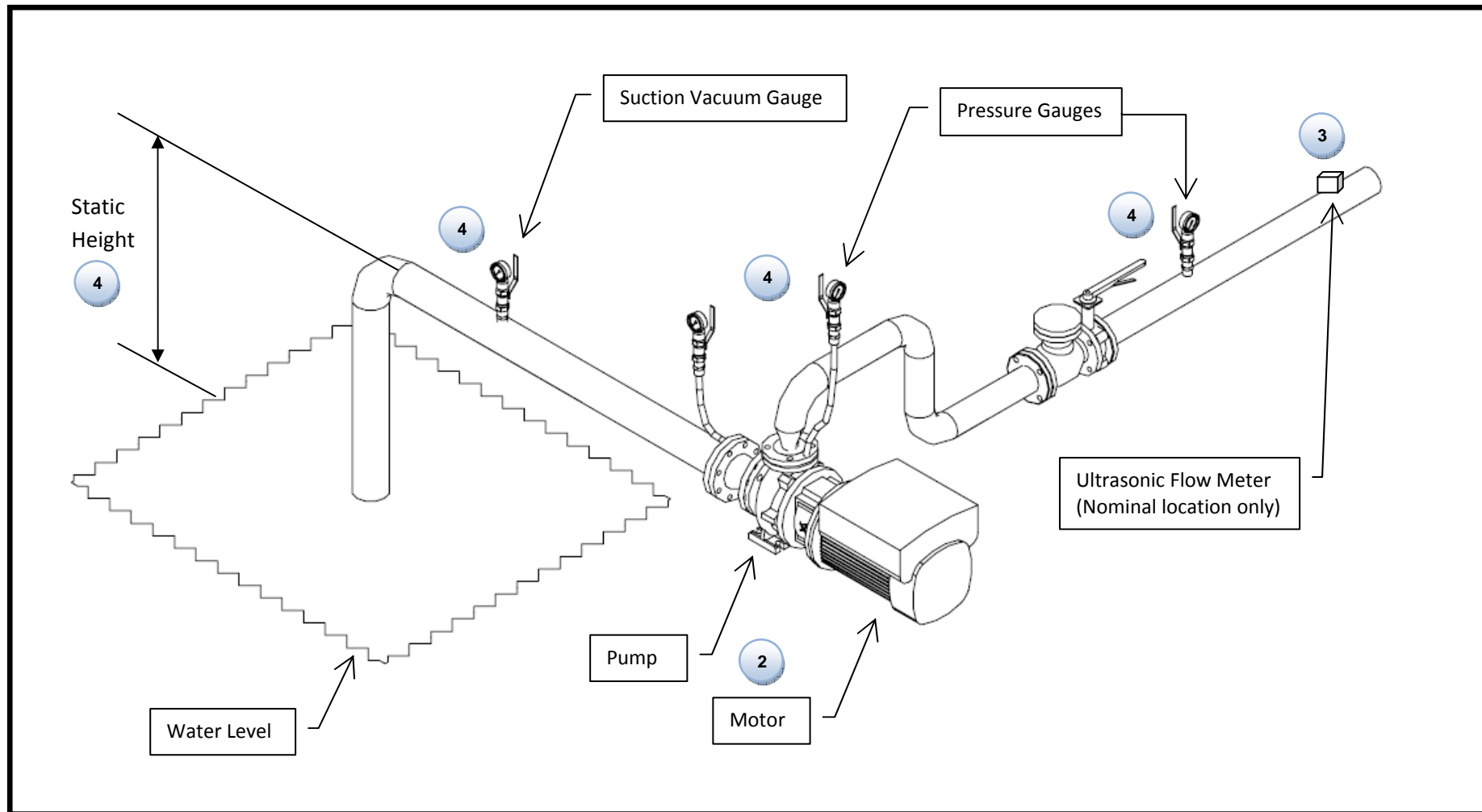
  - READ / PHOTOGRAPH ALL PRESSURE GUAGES AT PUMP
  - TAKE 'FIELD' MEASUREMENTS OF FLOW / PRESSURE AT SEVERAL LOCATIONS

- 7 STOPPING PUMP:
  - READ / PHOTOGRAPH FLOW METERS & POWER METER
  - NOTE TIME OF READING FOR EACH
  - PUMP CAN BE STOPPED AFTER MINIMUM ONE (1) HOUR OF OPERATION

## COMPLETION

- 8 WAIT UNTIL THE SYSTEM IS DEPRESSURISED:
  - REMOVE VACUUM / PRESSURE GAUGE AND FLOW METER
  - ENSURE PUMP SITE IS LEFT IN THE SAME CONDITION IT WAS FOUND

## PUMP TEST PROCEDURE TYPICAL PUMP ARRANGEMENT



Note: If an Ultrasonic Flow Meter is unavailable undertake the following steps:

- Record Flow Meter reading prior to Pump Starting
- Record length of time for Pump Test
- Record Flow Meter reading at conclusion of Pump Test