



Badger Meter Europa

Installation & operation instructions for rotating disc meters type "RCDL"

1. Installation

Before installing a meter in a new or modified pipework, the complete pipe system should be flushed to remove all contaminations as solder, sealing material, welding beads, etc.

All mounting positions possible.

To avoid misalignment of the meter and possible damage of the meter housing and/or threads, it is recommended to mount the meter using water meter brackets or Badger's unique flexible water meter connections, which can offset a pipe misalignment of 16°.

Install the meter in a way that no stress or strain effects the meter housing to avoid damage of threads or/and meter housing. Make sure that the arrow on the meter housing shows in the flow direction. In case a solenoid valve is used, in connection with very frequent switching cycles, the valve should be mounted on the inlet side of the meter to avoid pressure shocks.

To maintain full-pipe conditions, a non-return valve may be mounted at the outlet.

2. Operating data

Maximum operating pressure is 16 bar for M-type meters and 10 bar for P-type units. Maximum operating temperature is 50°C for plastic meters and 120°C for bronze meters with Vectra chamber.

Meters must always be operated within specified flow range. Maximum permissible pressure drop across the meters is 1 bar for low viscous fluids and 3,4 bar for liquids up to maximum 800 mPas.

When starting operation, always open upstream valve slowly to apply fluid pressure to the meters.

Avoid any pressure shocks.

3. Meter cleaning

Wash parts in isopropyl alcohol, methanol (wood alcohol) or ethanol (grain alcohol).

If parts are to be scrubbed, use only a nylon bristle brush, never a wire brush.

Calcium-type deposits (lime, etc.) may be removed by a five minute soak in regular household vinegar, followed by scrubbing with a nylon bristle brush.

Dissolve soak parts thoroughly in a 1% solution of joy liquid detergent and scrub with a nylon bristle brush as required.

Rinse thoroughly in clear warm water.

IND_RCDL0P_Betriebsanleitung_0802_e.doc 08/02

Badger Meter Europa GmbH - Nürtinger Strasse 76 - 72639 Neuffen (Germany)
Tel. +49-7025-9208-0 Fax +49-7025-9208-15 www.badgermeter.de E-mail:badger@badgermeter.de