



MODEL CN02
REGISTER EXTENSION
INSTALLATION INSTRUCTIONS

I. NEW METER INSTALLATION:

1. Remove shipping plate from top of lower meter assembly. This will expose the register extension drive clevis (#5). No adjustment of this part is required as it is factory set.
2. Cover extension bottom flange O-ring (#6) with a thin coat of silicone grease then place in o-ring groove on the bottom flange. Place register extension assembly on top of the meter assembly, making certain that the slot in the vertical shaft driven clevis aligns with the pin portion of the drive clevis (#5).
3. Position extension such that register can be read in the desired direction. Note that it can be attached in four different directions, spaced 90° apart.
4. Secure four mounting screws with shakeproof washers (#7 and #8) to firmly attach register extension to meter assembly.

II. EXISTING METER INSTALLATION:

NOTE: When adding a Model CN02 Register Extension to an existing meter not previously equipped with an extension, the meter vertical shaft must be replaced with a vertical shaft that has a stainless steel tip. See the Operation and Maintenance Manual of the meter for instructions on the removal and replacement of the vertical shaft.

1. After the meter vertical shaft with stainless steel tip has been installed and adjusted as per the meter operation and maintenance manual, install the drive clevis (#5) on meter vertical shaft, setting height by aligning the shoulder (largest diameter) of drive clevis flush with the top of the meter head.
2. Cover extension bottom flange o-ring (#6) with a thin coat of silicone grease then place in o-ring groove on the bottom flange. Place register extension assembly on top of the meter assembly, making certain that the slot in the vertical shaft driven clevis aligns with the pin portion of the drive clevis (#5).
3. Position extension such that register can be read in the desired direction. Note that it can be attached in four different directions, spaced 90° apart.
4. Secure four mounting screws with shakeproof washers (#7 and #8) to firmly attach register extension to meter assembly.
5. A.) Meters With Standard Totalizer: Install drive magnet on upper tip of the register extension vertical shaft (#2). Position the magnet face 1/16" below the top surface of the extension meter head.
 B.) Meters With Indicator-Totalizer: Install drive gear on upper tip of register extension vertical shaft (#20). Position the top face of the gear 1/8" below the top surface of extension meter head.
6. A.) Meters With Standard Totalizer: Replace totalizer and bonnet assembly on extension meter head and secure with four mounting screws.
 B.) Meters With Indicator-Totalizer: Attach Indicator-Totalizer base to extension meter head using two screws. To adjust gear mesh, slide Indicator-Totalizer into full gear mesh and back off 1/64". Tighten the two mounting screws. Replace bonnet assembly over unit and secure with four mounting screws.

NO.	QTY.	PART NUMBER	DESCRIPTION
	1	7-CN02	MODEL CN02 REGISTER EXTENSION
1	1	3-2207	DROP PIPE ASSEMBLY (ADDITIONAL COST PER FOOT)
2	1	3-2208	VERTICAL SHAFT ASSEMBLY (ADDITIONAL COST PER FOOT)
3	1	3-2352	VERTICAL SHAFT COLLAR & BEARING ASSEMBLY
4	2	1-1113-6-4	MOUNTING SCREW, VERTICAL SHAFT COLLAR & BEARING ASSY
5	1	2-2212	DRIVE CLEVIS ASSEMBLY
6	1	1-1551-38	O-RING, BOTTOM FLANGE EXTENSION
7	4	1-1115-10-10B	SCREW, EXTENSION MOUNTING

