



Meter Conversion Kit for Gas Service



Meter Conversion Kit Features

- Minimizes the amount of field plumbing required to change meters.
- Allows existing bypasses to operate keeping the service live.
- Can be ordered with all the bolts, studs, nuts, gaskets required.
- Has the flexibility to handle a variety of end-to-end dimensions.
- Is available with built in reducers to step down large diameter piping.

Smith-Blair's Meter Conversion Kit (MCK) makes changing from a large diaphragm meter to any type of meter that accepts flange connections easy.

In the past, it was expensive and often difficult to re-plumb service connections in the field due to lost labor hours spent screwing or welding pipe together and having to disrupt service to customers if a bypass needed to be removed.

With Smith-Blair's MCK, a new meter can be connected using the same footprint as the large diaphragm meter without removing all of the set's piping. If there is an existing bypass, it can be maintained while changing out the meter, avoiding costly customer reights.

The kit is also adjustable to handle a range of end-to-end dimensions, allowing greater field flexibility without additional fittings.

Although Smith-Blair has employed every effort to present accurate information, the technical performance data, installation recommendations and specifications in this brochure are presented merely as a guide. Each application must be evaluated relative to its own special conditions and should be reviewed by a qualified engineer to verify that the state pressures, temperatures and other performance data are applicable. Anyone making use of this information assumes all liabilities from such use. Changes to the design or misapplication of Smith-Blair products without its consent or approval are strictly prohibited. Smith-Blair assumes no risk or liability of its products altered by the customer or used in a manner other than those described in the applications literature.

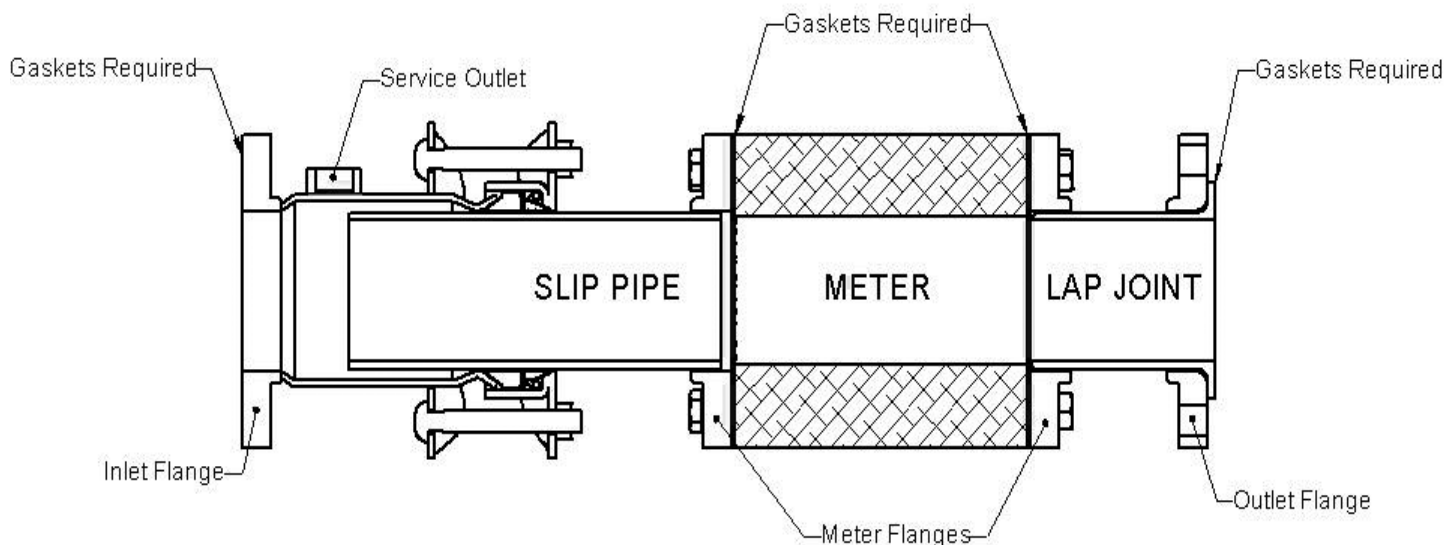
Material Specifications

FLANGE:	ANSI B16.5
METER FLANGE:	ANSI B16.5 Lap joint flange
STUB:	ANSI B16.5 Lap joint stub
EXTENSION TUBE:	ASTM A53 Pipe
GASKETS:	ASTM B16.21

Material specifications are subject to change.



Meter Conversion Kits



Installation Instructions

1. Remove the existing diaphragm meter from the meter set per utility or company instructions.
2. Clean all flanges on meter set and ensure they are in good service condition. Ensure all the flanges from the kit are free of debris and clean.
3. Install the lap joint assembly with the adjustable flange bolting on to the existing outlet pipe flange. Insert ring style flange gasket before installing all the studs. Hand tighten studs (do not fully torque at this time).
4. Lubricate the slip pipe's plain end with soap and insert it into the EZ Maxi-Grip Flange adapter. Install the flanged end of the EZ Maxi-Grip flange adapter to the inlet side of the existing piping making sure to insert a ring style gasket before inserting all the studs. Finger tighten flange studs.
5. Install meter per manufacturer's direction to the welded flange of the lap joint assembly. Do not fully torque bolts.
6. Slide the slip pipe out of the flange adapter (from step 4) so the flange can mate up with the meter. Install bolts and gasket (strainer gasket if required) and hand tighten the bolts to the meter.
7. Using a crisscross pattern, evenly tighten all the bolts and studs. Start with the EZ Flange adapter studs and connect them to the existing inlet flange. Then move to the lap joint assembly side on the outlet side. Finish torquing the meter mounting bolts on both sides of the meter in accordance with the meter manufacturer's instructions.
8. Torque the bolts on the EZ Maxi-Grip Flange adapter to 80 ft-lbs. min. (max 100 ft.-lbs.).
9. Install pipe stand (not included) or other method to ensure meter is properly supported according to manufacturer's recommendations.
10. Check for leaks.

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