

Flow



Extended Counter Drives

Extended Counter Drives have been specially designed for applications, where the system design either requires elevation of the bulk meter mechanical counter and preset register, for better visibility or to protect the counter and preset register components when metering hot, cold or corrosive liquids.

DESIGN FEATURES

- * Positive low friction drive
- * Extension length upto 3810 mm
- * Choice of fixed counter mounting in any one of the 16 predetermined angles or 360° free bidirectional rotation by swivel, even during operation
- * Provision of preset register fitment for preset valve control through an adjustable linkage

PRINCIPLE OF OPERATION

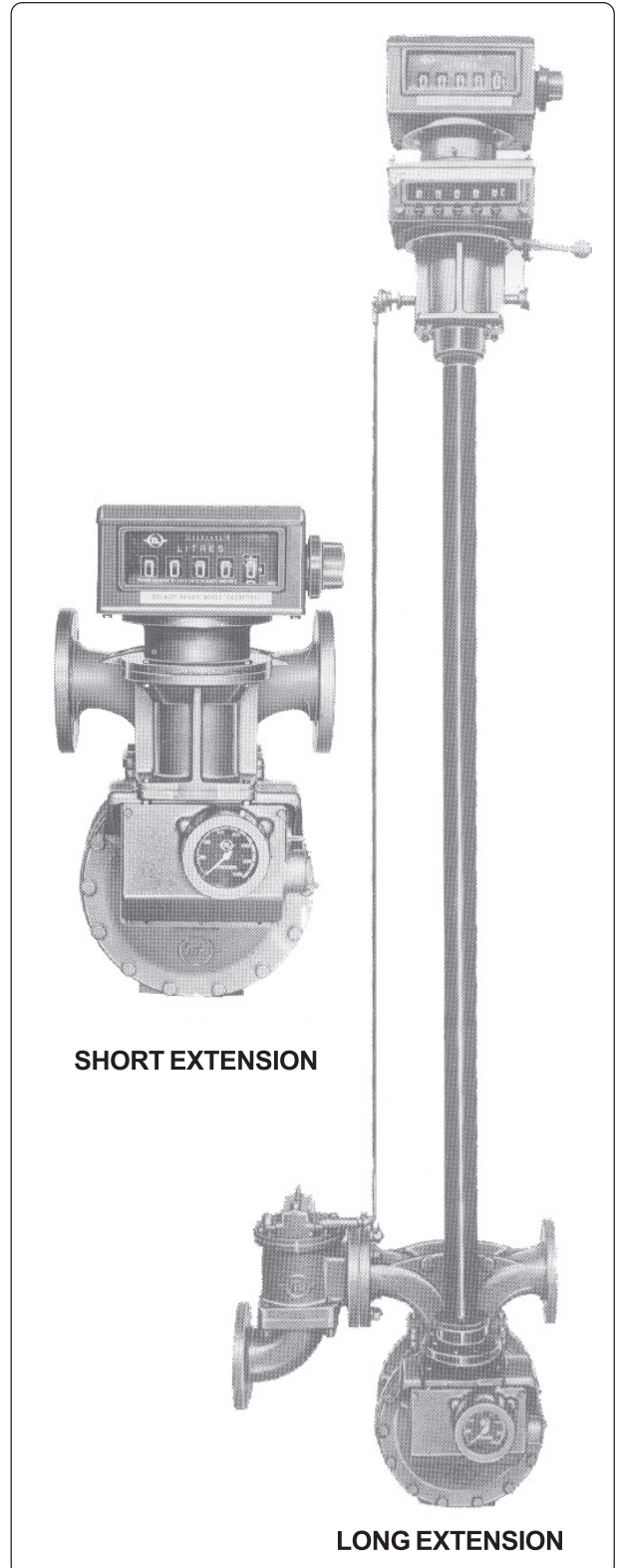
There are two basic types of Extended Counter Drives - the Short Extension with an adaptor height of 150 mm and the Long Extension which can be supplied upto a height of 3810 mm.

The Short Extension version is generally recommended for metering applications involving hot, cold or corrosive liquids. It consists of an adaptor casting, having a spindle, which transmits the drive from the bulk meter calibrating mechanism to the counter. A bakelite plate optionally fitted on top of the calibrating mechanism base acts as the thermal barrier.

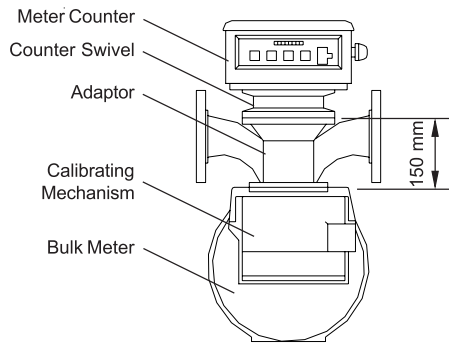
The Long Extension version is mainly used when operational and space requirements necessitate elevation of counter for better visibility. In this case, the drive to the counter from the bulk meter calibrating mechanism is by a steel coupling shaft, supported at both ends and housed in a steel tube for a smooth low friction transmission. The counter can have a fixed or swivel mounting arrangement. For batching operation, fitment of a preset register is possible, with valve control through an adjustable linkage.

APPLICATIONS

- * Easier visibility in gantry loading operations, where bulk meter is located at ground level
- * Protection of bulk meter counter and preset register from corrosive liquid vapours



SHORT EXTENSION



SPECIFICATIONS

SHORT EXTENSION

Extension length : 150 mm
Mounting : On calibrating mechanism base

LONG EXTENSION

Extension length : 3810 mm maximum
(Length in steps of 300 mm)
Mounting : On calibrating mechanism base

MATERIALS OF CONSTRUCTION

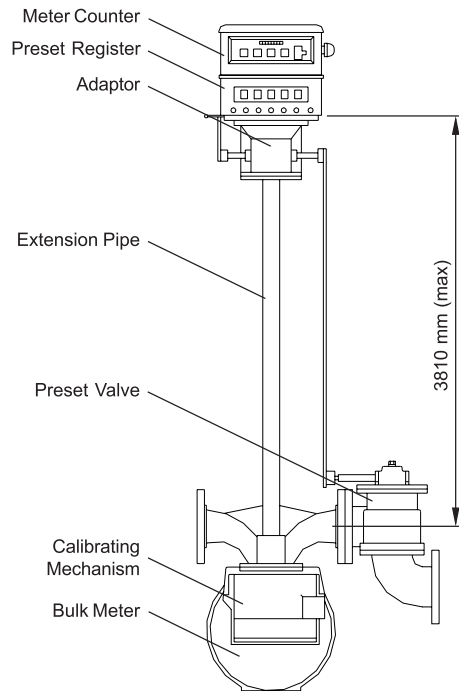
SHORT EXTENSION

Extension : Aluminium alloy LM-25

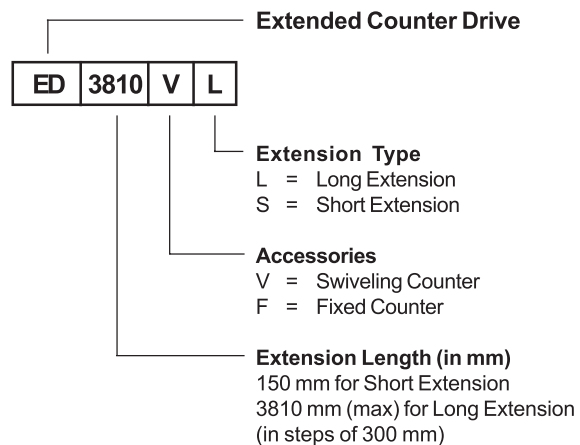
LONG EXTENSION

Drive shaft : Carbon steel
Drive shaft housing : Carbon steel
Mounting brackets : Aluminium alloy LM-25

LONG EXTENSION



MODEL DESIGNATION



* Specifications are subject to change without notice.
* All dimensions are in mm unless otherwise specified.

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