

**SERIES 300  
IRRIGATION METERS  
AND ACCESSORIES**

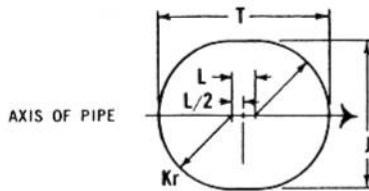
**INSTRUCTIONS FOR INSTALLING  
LOW-PRESSURE METERHEAD  
ON EXISTING PIPE**

IDS-350

047720  
Supersedes 017710

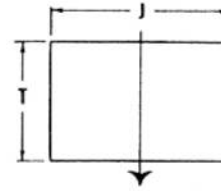
4 inch thru 12 inch

14 inch thru 30 inch



TEMPLATE DIMENSIONS FOR PIPE OPENING

Size	J	Kr	L	L/2	T
4"	4 $\frac{5}{8}$	2 $\frac{3}{16}$	2 $\frac{1}{16}$	1 $\frac{1}{32}$	7 $\frac{3}{16}$
6"	6 $\frac{5}{8}$	3 $\frac{3}{16}$	0	0	6 $\frac{5}{8}$
8"	6 $\frac{1}{4}$	3 $\frac{1}{8}$	1 $\frac{1}{2}$	$\frac{3}{4}$	7 $\frac{3}{4}$
10"	6 $\frac{3}{4}$	3 $\frac{3}{8}$	1 $\frac{1}{4}$	$\frac{5}{8}$	8
12"	8	4	0	0	8



AXIS OF PIPE

TEMPLATE DIMENSIONS FOR PIPE OPENING

Size	14"	16"	18"	20"	24"	30"
T	14 $\frac{7}{8}$	17 $\frac{1}{2}$	19 $\frac{1}{4}$	21 $\frac{1}{8}$	23 $\frac{1}{2}$	31
J	6 $\frac{3}{8}$	8 $\frac{3}{8}$	8 $\frac{3}{8}$	8 $\frac{3}{8}$	12 $\frac{1}{4}$	12 $\frac{1}{4}$

**GENERAL INSTALLATION INSTRUCTIONS**

To install a meterhead only: Prepare a template for cut-out from dimensions shown in the appropriate table above. Wrap the template around the periphery of the pipe and scribe a line for cutting. Cut opening, to the line, normal to the axis of the pipe. Remove all slag, burrs and sharp edges.

STRAIGHTENING VANES, supplied with each meterhead, are installed up-stream from the opening and located by the H dimension shown in the table. Vanes must be parallel to the longitudinal axis of the pipe and spaced equidistant radially around the pipe. To install vanes, place each vane around the pipe. To install vanes, place each vane in its equivalent position on the outside of the pipe and mark location of the bolt holes. Secure vanes in the pipe, placing lead washers on the outside of the pipe.

**10-INCH AND 12-INCH SIZES ONLY**


ANCHOR BARS, supplied with 10" and 12" meters, are installed as follows: Seat the saddle, without gasket on the cut opening. Place washer and nut set on each machine bolt and screw down until approximately  $\frac{1}{4}$ " of thread shows. Hang each anchor bar from saddle with bolts, placing washer and nut on top of saddle lug. This properly positions bars and simply tack-weld them to pipe. Remove the saddle and bolts before completing welding operations.

**CAUTION:** Remove meterhead and gasket from tube before starting any major welding operation in the proximity of the meter to prevent heat damage to propeller and gasket.

**Sparling Instruments, Inc.**

4097 N. Temple City Blvd. • El Monte, CA 91731-1089 USA

Phone (626) 444-0571 • Fax (626) 444-2314

Litho in U.S.A. Sparling and  are Trademarks.

