



STRAIGHT UNINTERRUPTED PIPE REQUIRED

PIPE SIZE	A	B	C
2.5" (63 mm)	37.5" (953 mm)	25" (635 mm)	12.5" (318 mm)
3" (76 mm)	45" (1143 mm)	30" (762 mm)	15" (381 mm)
4" (102 mm)	60" (1524 mm)	40" (1016 mm)	20" (508 mm)
6" (152 mm)	90" (2286 mm)	60" (1524 mm)	30" (762 mm)
8" (203 mm)	120" (3048 mm)	80" (2032 mm)	40" (1016 mm)
10" (254 mm)	150" (3810 mm)	100" (2540 mm)	50" (1270 mm)
12" (305 mm)	180" (4572 mm)	120" (3048 mm)	60" (1524 mm)

NOTES:

- 1) RECOMMENDED DESIGN FLOW RANGE:
 - 0.5 TO 30 FT/SEC (0.152 TO 9.144 M/SEC);
 - INITIAL DETECTION BELOW 0.3 FT/SEC (0.091 M/S).
- 2) A SHORT SPOOL PIECE IS SOMETIMES SHIPPED LOOSE WITH SYSTEM FOR FIELD INSTALLATION BY CONTRACTOR. FLOW SENSOR MAY BE LOCATED ON EITHER THE SUCTION OR THE DISCHARGE AND CAN BE MOUNTED EITHER HORIZONTALLY OR VERTICALLY.
- 3) WHEN FLOW SENSOR IS MOUNTED HORIZONTALLY ALPHA ANGLE COULD BE FROM 0 TO 45 DEGREES FROM THE TOP DEAD CENTER. ANY CIRCUMFERENTIAL LOCATION IS CORRECT FOR INSTALLATION IN VERTICAL PIPES.
- 4) FLOW SENSOR IS SHIPPED WITH 20' OF TWO CONDUCTOR SHIELD CABLE FOR FIELD CONNECTION TO THE CONTROL PANEL BY THE CONTRACTOR. SEE ELECTRICAL SCHEMATIC FOR TERMINAL CONNECTIONS.
- 5) FOR THE ADDITIONAL INFORMATION, CALIBRATION AND TROUBLESHOOTING ABOUT FLOW SENSOR, SEE THE OWNER'S MANUAL.

D	ADDED HOT TAP NOTE	R M 05/05/2005
C	ADDED INSTALLATION INSTRUCTIONS	ER 04/30/2004
B	DWG. REVISED TO BE GENERIC INSTRUCTIONS	ACD 1/14/2002
A	ADDED FLANGES	TKL 6/20/2000
LET.	REVISION	BY DATE

**PADDLEWHEEL FLOW SENSOR
DIMENSIONAL DATA
& MOUNTING INSTRUCTIONS**

DRAWN BY: TKL	ENG. BY: JDB	CHK. BY:
DATE: 06-19-2000	SIGN:	DATE:


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N. T. S. **DWG NO. 28 - 196**