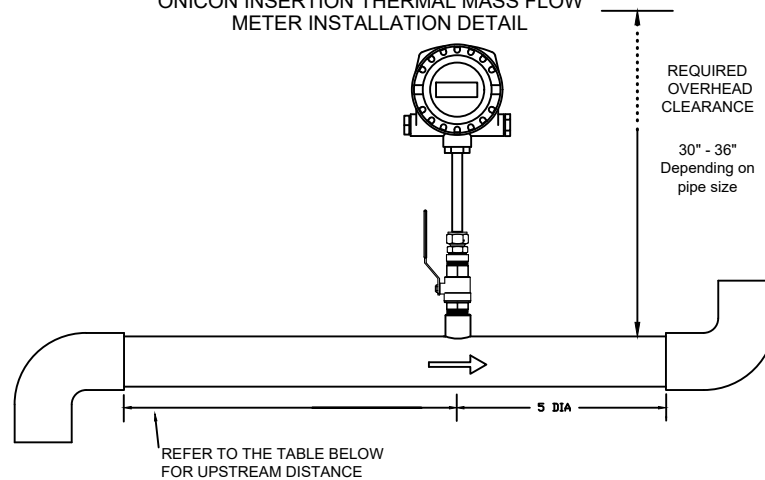


ONICON INSERTION THERMAL MASS FLOW
METER INSTALLATION DETAIL



Upstream obstruction	Minimum Upstream Straight Pipe Run Required	
	Without Flow Conditioner	With Flow Conditioner
Single bend preceded by > 9 diameters of straight pipe	10 Diameters	3 Diameters
Pipe size reduction in straight pipe run	10 Diameters	3 Diameters
Multiple bends in plane with < 9 diameters of straight pipe between them	20 Diameters	5 Diameters
Pipe size expansion in straight pipe run	20 Diameters	5 Diameters
Tees	30 Diameters	5 Diameters
Multiple bends out of plane	30 Diameters	5 Diameters
Modulating or regulating valve	40 Diameters	10 Diameters

ONICON, INC 11481 BELCHER ROAD SOUTH, LARGO, FL 33078			
DATE: 02-23-10	DRAWN BY: DBJ	SCALE: N.T.S.	DRAWING #: 100223DBJ-1
TITLE: INSERTION THERMAL MASS FLOW METER INSTALLATION DETAIL			