

1.0 FLOWMETER APPLICATION AND SELECTION GUIDE

TABLE 1 – FLOWMETER APPLICATIONS														
LEGEND		Clean Liquids	Dirty Liquids	Vapor or Gas	Viscous Liquids	Corrosive Liquids	Abrasive Slurries	Fibrous Slurries	High Temp. Service	Cryogenic Service	Low Velocity Flows	Partially Filled Pipes	Non-Newtonian Fluids	Open Channel Flows
√	Designed for this service													
↔	Normally Applicable for this service													
C	Applicable for this service under certain conditions – Consult manufacturer													
	Not Applicable													
ORIFICE		√		√		↔			√	√	C		C	
FLOW NOZZLES & TUBES		√	C	√	C	C	C	C	C	C	C		C	
VENTURI		√		√	C	C	C	C	C	C	C		C	
PITOT TUBES		√	C	√	C	C			C	C	C			
WEDGE			√				√							
ELBOW		√	↔	√	C	↔	↔		C	C			C	
MAGNETIC		√	√		↔	√	√	√	C		↔	C	↔	
TURBINE		√		√	C	C			C	↔	C			
VORTEX SHEDDING		√	C	√	C	↔			C	C				
FLUIDIC		√	C		C	↔			C	C				
TARGET		√	↔	↔	↔	↔	C		C	C	C		C	
TRANSIT TIME		√	C	C	C	C				C	C			C
DOPPLER			C	C	C	C	C	C			C		C	
MASS		√	C	√	↔	↔			C	C	C		C	
WEIRS & FLUMES		√	↔			C	C	C			↔	√		√
POSITIVE DISPLACEMENT		√		√	√	C			C	↔	√			
VARIABLE AREA		√	C	√	↔	↔			C		C			