

SELECTION TABLE FOR FLOW MEASUREMENT INSTRUMENT

DATA SHEET 1 of 1

The following table gives a comparison between the different types of instruments with their field of application.

INSTRUMENT	CONDUIT DIA.	FLUIDS	MAX. PRESS. BAR	MAX TEMP. °C	REYNOLDS NUMBER. $\Re D$	MEAS. RANGE mt/d	MAX. ERROR % MR	
							Non Calibr.	Calibr.
Concentric orifice plate		Liquid Steam Gas						
• tapping on flanges	>2	"	400	500	>8.000 ≤500.000	>6	±1,5	±0,75
• tapping in corners	"	"	400	500	>5.000 ≤10.000	>6	±1,5	"
• tapping in conduits	"	"	400	500	>14.000 ≤200.000	>6	±1,7	"
Orifice								
• quarter circle	>1	"	400	500	>250 ≤3.300	>4	±2,2	"
• conical inlet	"	"	400	500	>25 ≤75	>0,6	"	"
• eccentric	4 - 14	"	400	500	>10.000	50 - 50.000	±2,1	"
• segmental	"	"	400	500	>10.000	50 - 50.000	±2,2	"
Venturi tube	4 - 32	"	400	500	>200.000	>150	±1,5	±0,55
ISA 1932 nozzle	2 - 30	"	400	500	>20.000	>50	±2,2	±0,75
Venturi nozzle	3 - 20	"	400	500	>80.000 ≤190.000	>50	±4,0	"
PITOT tube	>4	"	400	500	>2.000 ≤10.000	>700	±1,4-4	"