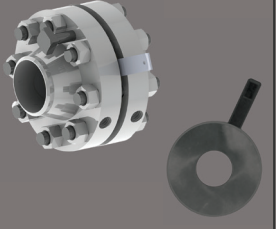
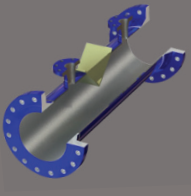
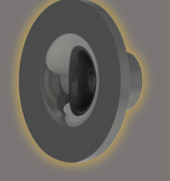
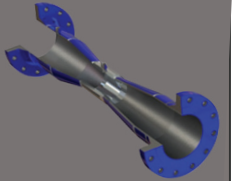


Meter Type	 Accelabar®	 Verabar®	 Vortex Meter	 Orifice	 Wedge	 Flow Nozzle (Long & Short Radius)	 Classical Venturi
Line Size Range (Inches)	1" to 12"	≥ 1.5"	0.5" to 12"	≥ 0.5"	≥ 1/2"	≥ 2.0"	≥ 1"
Permanent Pressure Loss	 33 - 35% of Generated Differential	 3 - 4% of Generated Differential	 AVI = Negligible AVF = $\Delta P = .00024 pV^2 *$ $\Delta P = .000011 pV^2 **$	 50 to 70% of Generated Differential	 30 to 60% of Generated Differential	 40 to 95% of Generated Differential Depending on Beta and R_e	 12 to 30% of Generated Differential Depending on Beta and R_e
Accuracy of Flow Coefficient (% of Measured Rate)	 ± 0.5%	 ± 1.0%	 ± 0.7 to 1.5%	 ± 1.0 to 2.0%	 ± 2.0 to 4.0%	 ± 1.0 to 2.0%	 ± 0.75 to 2.0%
Required Straight Run of Piping	 No straight run required	 Upstream and Downstream required (Depending on Disturbance)	 Upstream and Downstream required (Depending on Disturbance)	 Upstream and Downstream required (3D to 75D Upstream Depending upon Beta Ratio and Disturbance, 2D to 9D Downstream)	 Upstream and Downstream required (10D to 2D Upstream Depending on Disturbance)	 Upstream and Downstream required (3D to 80D Upstream Depending upon Beta Ratio and Disturbance, 2D to 8D Downstream)	 Upstream and Downstream required (3D to 30D Upstream Depending upon Beta Ratio and Disturbance, 2D to 8D Downstream)
Rangeability (Turndown in Flow)	 65 : 1 (Dependent on application and flowing conditions.)	 10 : 1	 20 : 1	 3 : 1	 5 : 1	 5 : 1	 10 : 1
Gas							
Liquid							
Steam							
Slurry							

* English (ΔP in psi, p in lb/ft³, V in ft/sec)

** Metric (ΔP in bar, p in kg/m³, V in m/sec)

 Ideal

 Acceptable

 Not Recommended or Least Favorable

valvesgo.com