V-Cone Flow Meter Flow Formulas

Bending Magnet # 10

Base Formula : $Q_{gpm} = 5.6748766\ D^2\ ß^2\ Cd\ (\Delta P)^{1/2} / (1-ß^4)^{1/2}$

Component Formula	Meter I.D. (D)	Beta Ratio (ß)	Discharge Coeff (Cd)	
FM1-F	0.438"	0.731	0.7603	$Qgpm = 0.52328(\Delta P)^{1/2}$
BPM1-F	0.438"	0.532	0.8146	$Qgpm = 0.26170(\Delta P)^{1/2}$
FM2/PS1-F	0.438"	0.731	0.7343	$Qgpm = 0.50539(\Delta P)^{1/2}$
BPM2-F	0.438"	0.532	0.8210	$Qgpm = 0.26376(\Delta P)^{1/2}$
M3/PS2-F	0.438"	0.731	0.7658	$Qgpm = 0.52707(\Delta P)^{1/2}$
BeW-F	0.438"	0.731	0.7599	$Qgpm = 0.52301(\Delta P)^{1/2}$