MEDIDORES DE FLUJO

Tabla 1. Coeficientes para el Cálculo del coeficiente Cm para medidores ventura, de boquilla y de orificio

$$Cm = C_{\infty} + \frac{b}{\mathrm{Re}^{n}}$$

Dispositivo	Especificación	C∞	B	N
VENTURI	Entrada Maquinada	0.995	0	0
	Entrada Hierro Colado	0.984	0	0
	Tubo venturi universal	$1.05 - 0.417\beta + 0.564\beta^{2} - 0.514\beta^{3}$	0	0
BOQUILLA	ASME radio largo	0.9975	$-6.53\,\beta^{0.5}$	0.5
	Boquilla ventura (entrada ISA)	$0.9858 - 0.195\beta^{4,5}$	0	0
ORIFICIO	Conexión de radio (D ; D/2)	$0.5959 + 0.0312\beta^{2,1} - 0.184\beta^{8} + 0.039\frac{\beta^{4}}{1-\beta^{4}} - 0.0158\beta^{3}$	$91.71\,\beta^{2,5}$	0.75
	Conexión de Tubo (2 ½ D ; 8D)	$0.5959 + 0.461\beta^{2,1} - 0.48\beta^{8} + 0.039\frac{\beta^{4}}{1-\beta^{4}}$	$91.71\,\beta^{2,5}$	0.75

Fuente [Darby,Briceño]

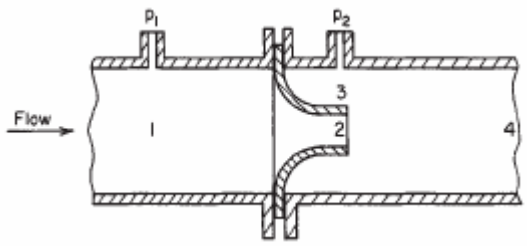

Fig.1 Diagrama Medidor Tipo Boquilla [Perry]

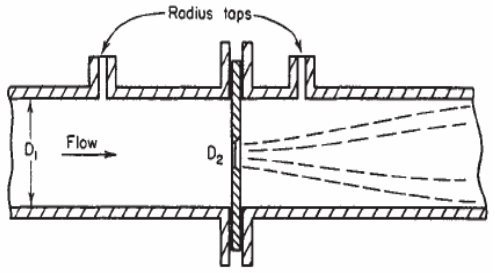

Fig. 2 Medidor Tipo Placa de Orificio [Perry]

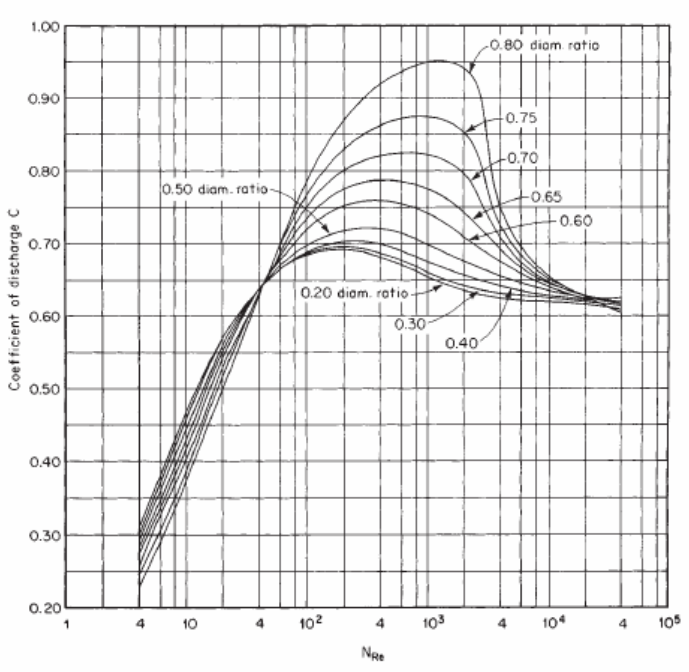

Fig. 3 Coeficiente para medidores de Orificio [Perry]

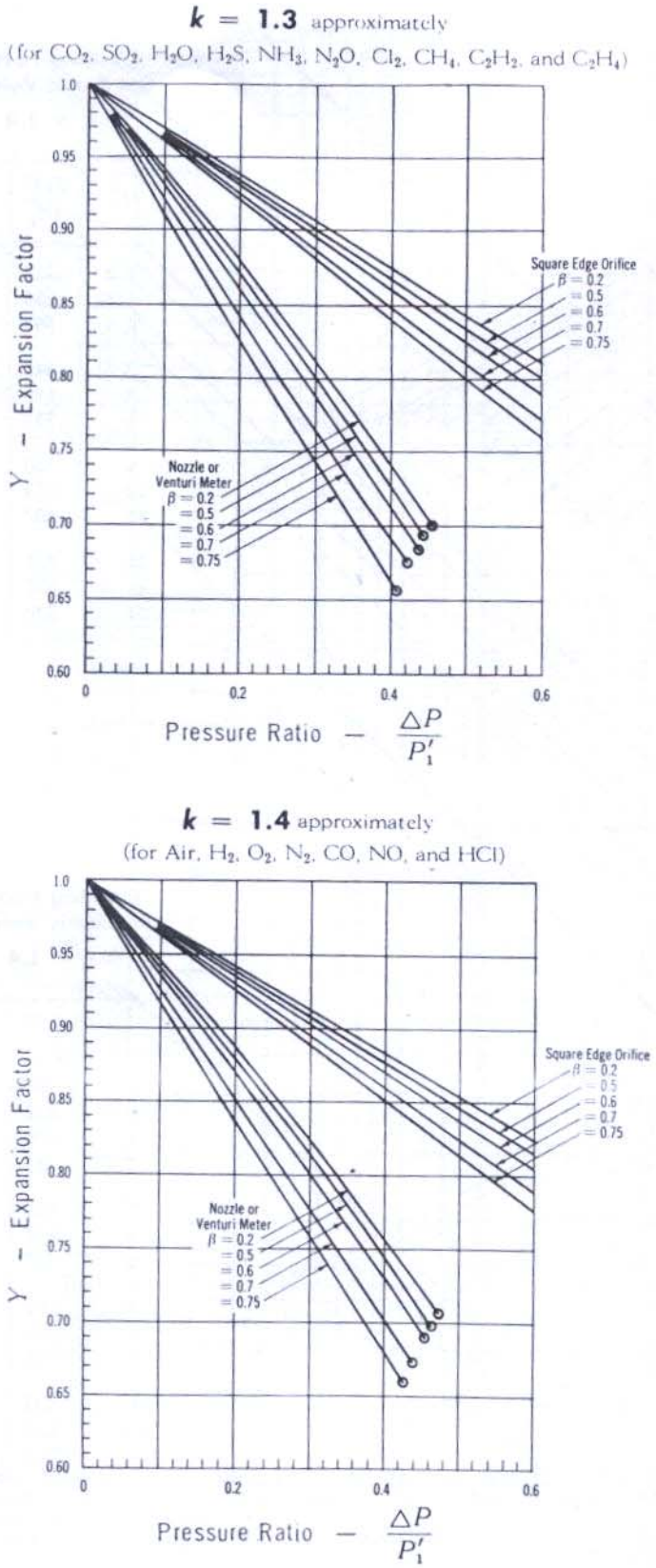

Fig. 4. Factor de Expansión en Medidores de Orificio [Crane]