

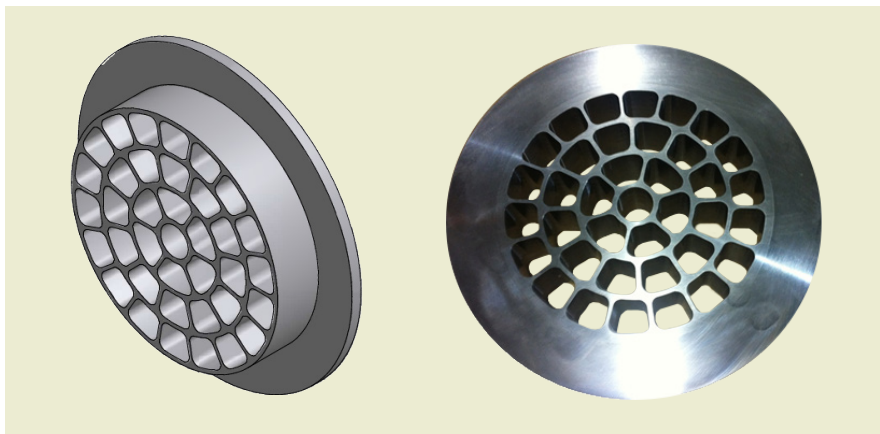
+ CALDON BFC

Axial velocity profile flow conditioner

FEATURES AND BENEFITS

Overcome the axial velocity profile challenges commonly associated with custody transfer – while optimizing your productivity.

- + Designed specifically for use with ultrasonic meters
- + Less than half the pressure drop of a conventional plate style flow conditioner
- + Dramatically reduces swirl and cross-flow – without introducing undue turbulence and pressure loss
- + Balanced hydraulic hole geometry for consistent performance over a wide range of Reynolds numbers
- + Ideal for use with CALDON LEFM ultrasonic flowmeters



REDUCE SWIRL AND CROSS-FLOW WITHOUT THE PRESSURE DROP

Combining the reproducibility and performance benefits of a plate-style conditioner with the low-loss characteristics of a tube bundle – our CALDON BFC axial velocity profile flow conditioner brings you the best of both worlds. All the while eliminating the higher frictional losses associated with the long tubes used in traditional tube bundles.

Proven in the field – and specifically designed to complement our CALDON LEFM ultrasonic flowmeters – the CALDON BFC flow conditioner has been developed to optimize even the most distorted of flow profiles created by upstream piping challenges like bends, tees and headers. Allowing you to use a much shorter inlet length and protecting your bottom line from costly pressure drops.

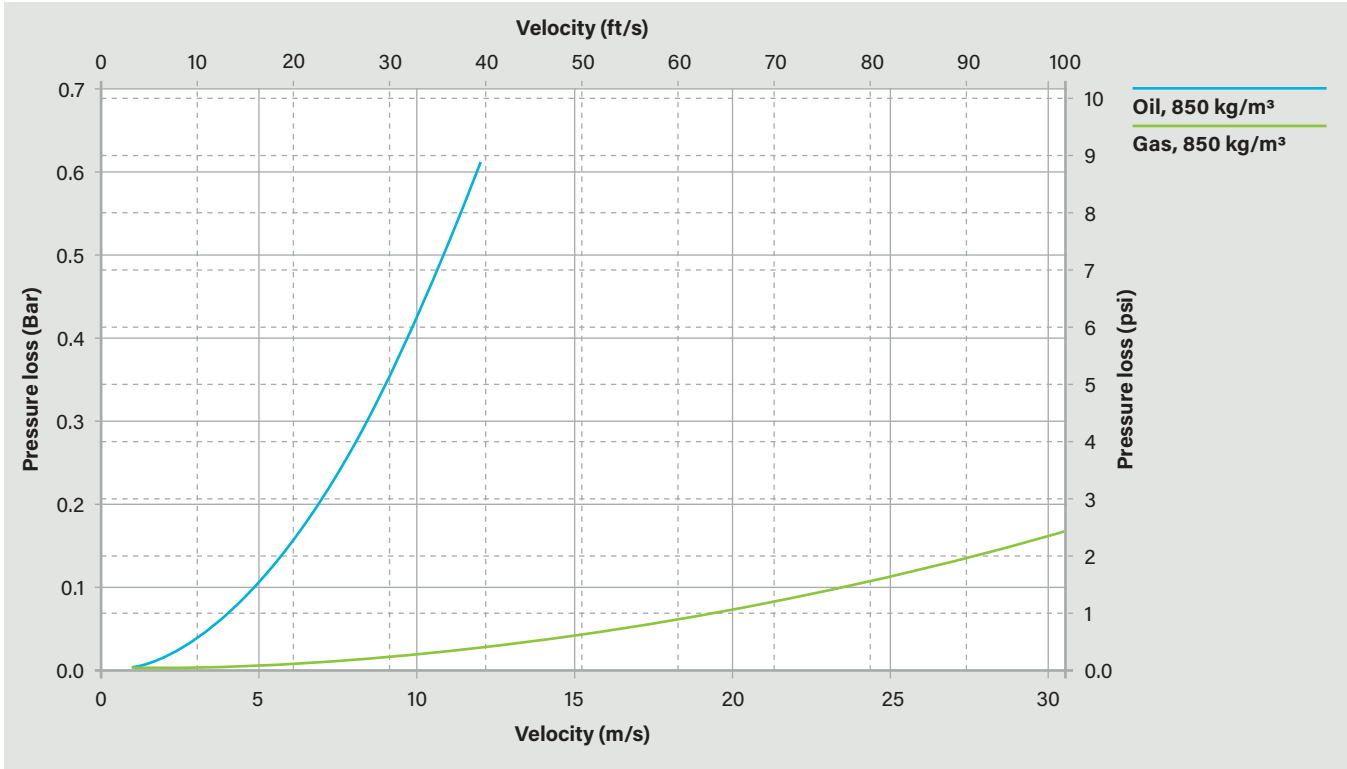
PRODUCT SPECIFICATION

- + 4-inch to 36-inch pipe diameters
- + Material options to suit application requirements: 304 Stainless Steel, 316 Stainless Steel, Nickel-plated Carbon Steel etc.
- + ANSI raised-face flange design as standard; other options on request

TYPICAL DIMENSIONS (Consult factory for specific applications):

Nominal diameter	Conditioner flange thickness		Conditioner flange diameter		Conditioner thickness	
	inches	mm	inches	mm	inches	mm
4	0.25	6.4	6.18	157	0.97	25
6	0.25	6.4	8.5	216	1.46	37
8	0.25	6.4	10.63	270	1.92	49
10	0.25	6.4	12.76	324	2.4	61
12	0.25	6.4	15.00	318	2.87	73
14	0.38	9.5	16.26	413	3.15	80
16	0.38	9.5	18.5	470	3.60	91
18	0.38	9.5	20.98	533	4.05	103
20	0.50	12.7	22.99	584	4.51	115
24	0.50	12.7	27.24	692	5.43	138

TYPICAL PRESSURE LOSS (Consult factory for specific applications):



US Patent No. 9,506,484: Flow conditioner and method for optimization