

# SENTRY<sup>™</sup> XP SERIES

## HIGH PRESSURE STAINLESS STEEL DAMPENERS



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## EXTREME PULSATION DAMPENING.

NOW ASME CERTIFIED\*

Blacoh's SENTRY XP Series pulsation dampeners offer better performance and more options for high pressure applications. Larger capacity models up to 122 in<sup>3</sup> (2.0L) with pressure ratings up to 15,000 psi are ideally suited for metering and dosing applications typical in the oil and gas industry.

Engineered for high performance and reliability with 316L Stainless Steel solid shell housings and ACME threaded caps, XP models are offered with pressure ratings from 2,000 to 15,000 psi using PTFE bellows, Buna-N, EPDM or Viton bladders. Choose from a wide range of inlet options, including Blacoh's exclusive flow-through inlet design that effectively removes both hydraulic and acoustic pulses in high pressure applications for exceptionally smooth pressure and flow. ATEX, CRN, and ASME available on specific models.

\*ASME U-Stamp available on specified models





## ECONOMICAL CONSTRUCTION

Blacoh's XP Series Dampeners with PTFE bellows are oriented so that the cap and anti-extrusion disk are the only wetted components. With this design, in applications requiring Alloy 20 or Hastelloy C, the larger non-wetted components are constructed of 316L stainless steel and only the smaller, non-wetted components use the more costly alloy.

*Note: PTFE bellows wetted only construction available in other alloys on both single and dual cap models*

## SPECIFICATIONS

Capacity	Wetted/Non-Wetted Materials	Bladder Material	Inlet Size	Inlet Type	Max Pressure	Air Control Type
8 in <sup>3</sup> (0.13 L) 12 in <sup>3</sup> (0.2 L) 24 in <sup>3</sup> (0.39 L)	Stainless Steel Hastelloy C / SS (PTFE) Alloy 20 / SS (PTFE) Duplex Stainless Steel	Buna-N EPDM PTFE Viton	0.5" (15mm)	FNPT BSP ANSI Flange FNPT Flow Through Autoclave	2000 to 15000 psi (137.8 to 1034.2 bar)	Chargeable  Optional Gauge Adapter
36 in <sup>3</sup> (0.59 L) 60 in <sup>3</sup> (0.98 L) 91 in <sup>3</sup> (1.5 L) 122 in <sup>3</sup> (2 L)			0.75" (20mm) 1" (25mm) 1.5" (40mm) 2" (50mm)	FNPT BSP ANSI Flange FNPT Flow Through	2600 to 8000 psi (179.2 to 551.5 bar)	
<b>ASME Certified Units</b>						
8 in <sup>3</sup> 12 in <sup>3</sup> 24 in <sup>3</sup>	316/L Stainless Steel	PTFE	0.5" (15mm)	FNPT, BSP, Flange, FNPT Flow Through, Autoclave	4000 psi (275.7 bar)	Chargeable