

# SENTRY™ XP SERIES

HIGH PRESSURE STAINLESS STEEL  
DAMPENERS TO 15,000 PSI



## The New Generation XP

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 and CRN available on specific models.

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# INNOVATIONS IN EXTREME PULSATION DAMPENING FOR EXTREME APPLICATIONS

## The New Generation XP

With innovations in design, the new generation XP is more extreme in more ways than one. Blacoh's new generation SENTRY XP pulsation dampeners offer better performance and more options for high pressure applications. New larger capacity models up to 120 cubic inches with pressure ratings up to 15,000 psi are ideally suited for metering and dosing applications typical in the oil and gas industry.

**What's New** The PTFE bellows in the new XP is oriented with the inside wetted and an internal support disk allowing PTFE models to be rated up to 15,000 psi. The cap and disk are the only wetted components in the new bellows design. In applications that require Alloy 20 or Hastelloy C, the larger non-wetted housing is constructed of 316L stainless steel and only the smaller wetted components use the more costly alloy.

The new generation XP also boasts an improved sealing feature. The seal is created by a taper in the body coming in contact with a matching tapered cap. The taper design allows the cap and body to come together with zero clearance.

Models from 8 to 120 cubic inches with pressure ratings from 2,000 to 15,000 psi. Optional pressure gauge.

Corrosion resistant 316L stainless steel solid shell with zero clearance ACME threaded caps.

PTFE bellows and elastomer bladders in BUNA-N, EPDM and Viton.

NPT, BSP, Socket Weld and Flow Through inlets; ANSI and DN flanges; Autoclave.

ATEX specific models conforming to EU directives; CRN models for Canadian provinces.



**PTFE Tough** Now available on all models from 2,000 to 15,000 psi, Blacoh's unique PTFE bellows have an excellent flex life, are compatible with virtually all chemicals and solvents, and can withstand temperatures up to 220°F (104°C).

**High Frequency Solved** SENTRY XPH high pressure pulsation dampeners are engineered to remove high frequency pulses greater than 15 Hz, as well as low frequency pulses. Blacoh's unique flow through design allows the XPH model to effectively remove both hydraulic pulses and acoustic pulses. With a properly sized XPH dampener, residual pulsation of less than 1% can be achieved. In high performance applications where it is desirable to obtain exceptionally smooth pressure and flow, SENTRY XPH is the preferred choice.

**BLACOH**<sup>™</sup>  
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