Equalizer® Surge Dampeners

SD SERIES & HYGIENIC SERIES (HS)



PSG a DOVER company

Where Innovation Flows

WILDEN®

Wilden® Equalizer SD and Hygienic Series surge dampeners are designed to do far more than complement an AODD pump — they help unlock its maximum effectiveness. By smoothing pulsation, stabilizing flow, and reducing vibration, these dampeners improve overall system performance, protect downstream equipment, and support more consistent operation in demanding process environments. Wilden surge dampeners are not just Air-Operated Double-Diaphragm Pump (AODD pump) accessories, but as a critical part of the complete AODD pump system.

The Wilden line of SD surge dampeners effectively suppresses pulsation associated with reciprocating pumps, prolonging equipment life and maximizing Mean Time Between Repair (MTBR). The SD dampener self-adjusts to fluctuating inlet pressures making the installation flexible, versatile, and user friendly for a variety of processes.

Whether the application requires rugged industrial performance or hygienic process integrity, Wilden Equalizer SD and Hygienic Series dampeners help optimize pump efficiency, improve process control, and deliver a more reliable fluid-handling solution.

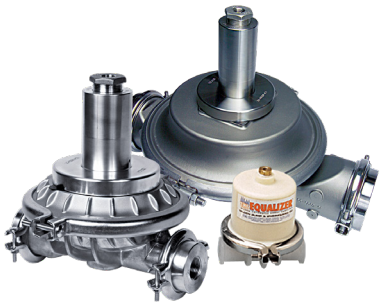
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WILDEN AUTOMATIC SURGE DAMPENER

FEATURES AND BENEFITS

- Dampens up to 70% of discharge pressure fluctuations
- Connect directly to air pump air supply line
- Utilizes same wear components as Wilden AODD pumps
- Prevents water hammer and associated damage
- Offered in the same materials as Wilden AODD pumps
- Do not require charging

APPLICATIONS

- Minimize pressure and flow fluctuations while self-adjusting to meet varying system pressures to maximize the effectiveness and life of downstream instrumentation
- Large solid passage to for use in demanding solids-handling applications where AODD pumps commonly excel
- Hygienic Series surge dampeners are CIP capable with superior cleanability and drain ability with a Ra of 0.8µm (32µ-in) or better



WETTED MATERIALS

- Aluminum
- Alloy C
- Stainless Steel
- Ductile Iron
- Polypropylene
- PVDF

NON-WETTED MATERIALS

- Aluminum
- Stainless Steel
- Ductile Iron
- PTFE Coated Aluminum
- Polypropylene
- Glass-Filled Polypropylene

CONNECTIONS

Threaded NPT and BSPT: 13mm (1/2"), 25mm(1"), 51mm (2"), and 76mm (3")
Flanged ANSI and DIN connections: 51mm (2") Advanced™

CERTIFICATIONS

*Can be configured to meet ATEX II 2 GD X requirements

Hygienic Series Dampeners



WETTED MATERIALS

- 316L Stainless Steel

NON-WETTED MATERIALS

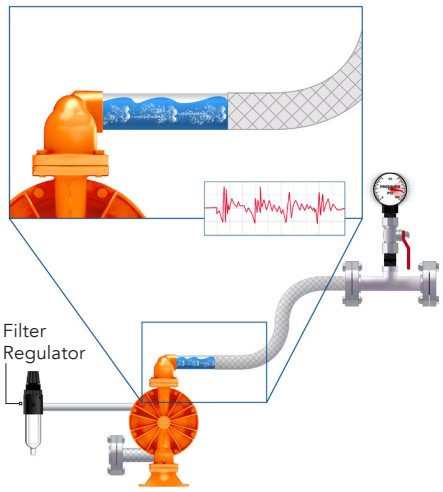
- Aluminum
- Nickel-plated Aluminum
- Stainless Steel

CONNECTIONS

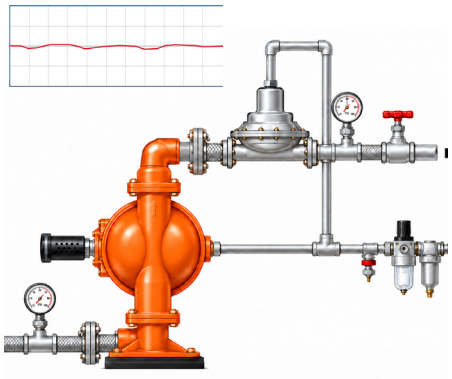
Tri-Clamp Connection Sizes: 38 mm (1-1/2"), 51 mm (2"), and 76 mm (3")

CERTIFICATIONS

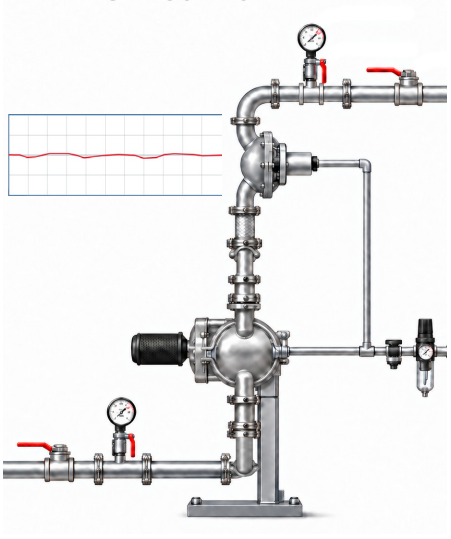
WITHOUT SURGE DAMPENER INSTALLED



EQUALIZER SURGE DAMPENER



HYGIENIC SERIES DAMPENER



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