

Equalizer® Surge Dampeners

INTEGRATED SD (ISD) SERIES METAL



Where Innovation Flows

WILDEN®

Wilden® Equalizer® Surge Dampener - Integrated SD Series (ISD) features a design that integrates the dampener directly into the manifold of Wilden's metal pumps. The ISD Series surge dampeners are engineered to reduce fluid pressure and flow fluctuations that are inherent in air-operated double-diaphragm (AODD) pumps, providing a smoother discharge flow. This function is critical in applications that need to minimize vibration and control pipe hammer which protects the piping system as well as downstream instrumentation.

FEATURES AND BENEFITS

- Designed to integrate directly with pump
- No additional connecting elements* or piping changes needed to install dampener
- Minimizes vibration
- Controls pipe hammer
- Enhances downstream instrumentation
- Increases pump efficiency
- Extends pump life and reduces noise

*Note, to retrofit current pumps in field, top manifolds will need to be tapped.

APPLICATIONS

- Applications requiring a laminar flow or minimize "splashing"
 - CIP systems
 - Drum Filling
 - Package Filling
- Pumping from a mix tank to balance tank
- Applications that have flow meters or other precise in-line instrumentation
- Applications that have quick closing valves
- Discharge piping is not properly secured/supported (PVC/Plastic Piping)

Wilden Bolted Metal Surge Dampeners

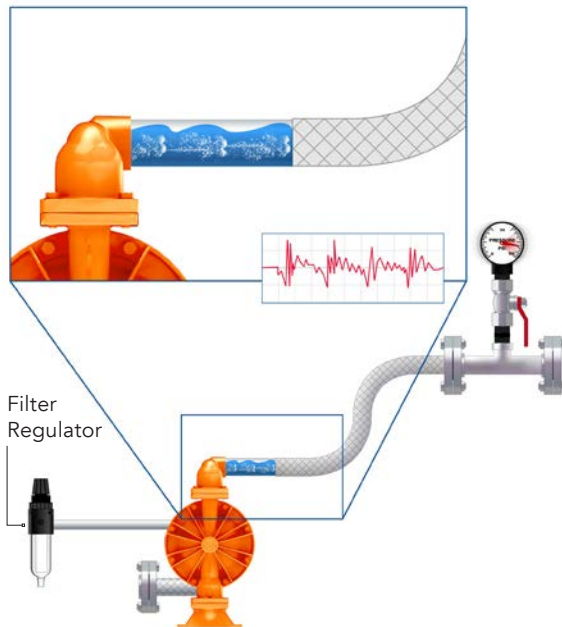
SELECTION CHART

Nomenclature	Product Description	Diaphragm Material	Max Pressure
ISD220/SZSS/TBL	1" NPT Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD220/SZSS/TBL/0014	1" BSPT Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD420/SZSS/TBL	1-1/2" NPT Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD420/SZSS/TBL/0014	1-1/2" BSPT Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD820/SZSS/TBL	2" NPT Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD820/SZSS/TBL/0014	2" BSPT Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD1520/SZSS/TBL	3" NPT Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD1520/SZSS/TBL/0014	3" BSPT Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD1530/SZSS/TBL	3" ANSI Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)
ISD1530/SZSS/TBL/0504	3" DIN Bolted Metal Dampener	PTFE Buna Backed, IPD	8.6 bar (125 psig)

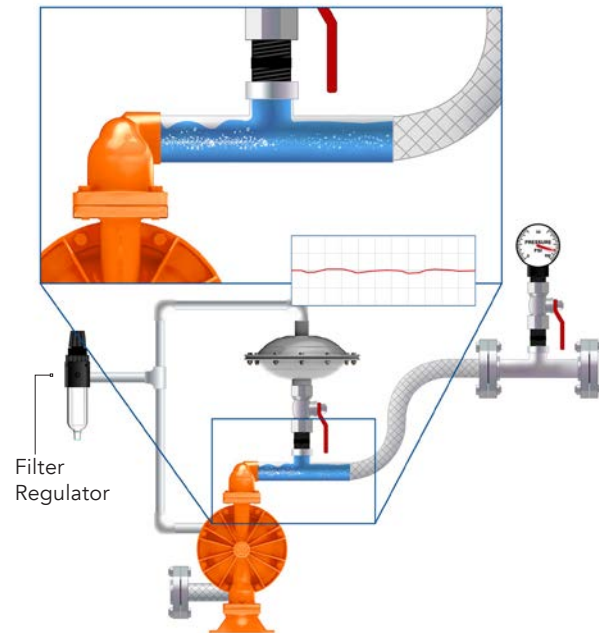


The Equalizer® ISD Series features a flexible design, allowing the dampener to either integrate directly into the manifold of Wilden's metal pumps or be installed directly outside the discharge.

WITHOUT SURGE DAMPENER INSTALLED



WITH SURGE DAMPENER INSTALLED



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