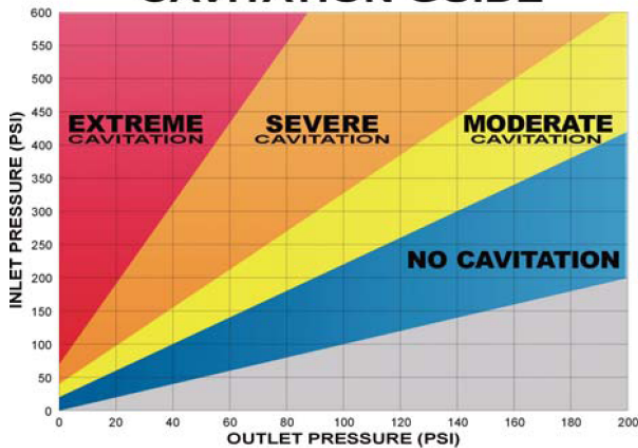


As applications become more complex and demanding, we often find that a multi-valve approach produces the best solution in terms of accurate control and long term results. This approach is especially effective when the operating conditions indicate cavitation is a concern.

CAVITATION GUIDE



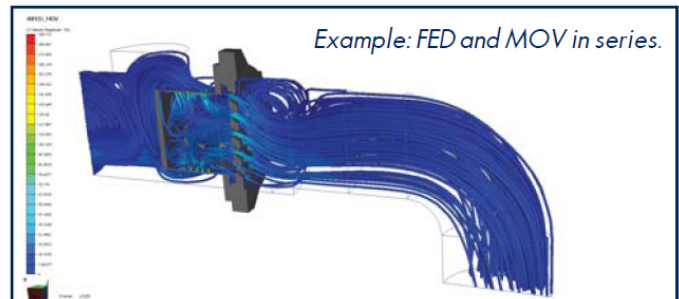
Using the cavitation guide, we can determine the degree of cavitation present in an application and decide if the best solution is a standard valve (when cavitation is not a concern), a single valve with anti-cavitation protection, or a multi-valve approach that takes the pressure drop in two or more stages.

When a multi-valve approach is determined to be the best option, we can proceed with a more in depth analysis of the operating and performance requirements.

Based on a number of factors, we can select from any number of valves in our portfolio in order to achieve the best results. Some of these factors include:

- Flow rates
- Line velocities
- Control requirements
- Water quality
- Valve sizes
- Cavitation risk

Ross Valve’s product line, engineering expertise, and in-house manufacturing resources uniquely position us to develop multi-valve solutions that succeed.

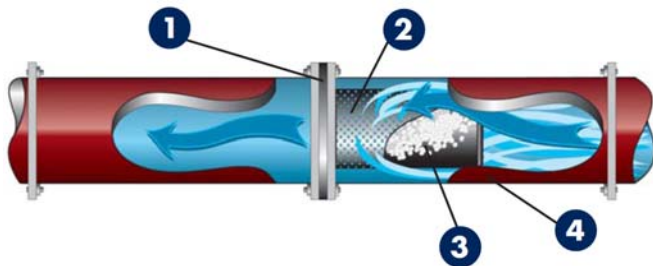


Other solutions have included combinations of the following:

- Pressure reducing valves
- Electric control valves
- Anti-cavitation components
- Multi orifice valves
- Fixed energy dissipators

Model 890 (FED) – Fixed Energy Dissipator

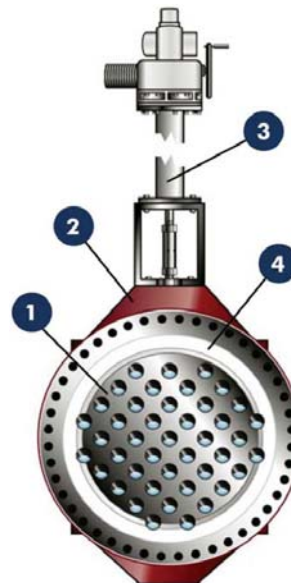
Fixed device engineered for a specific pressure reduction or flow rate.



1. Flanges drilled per ANSI, PN, or any other standard for mounting between mating pipeline flanges.
2. 100% stainless steel construction, with engineered orifices for optimal performance.
3. Cavitation is forced to occur in the waterway, protecting any nearby equipment.
4. Dimensions (diameter and length) are tailored to provide the required flow or pressure drop.

Model MOV – Energy Dissipating Valve

Provides variable flow or pressure control in extreme applications.



1. Two hardened stainless steel plates with custom designed orifices direct water to center of downstream pipe, safely dissipating energy.
2. Rugged construction throughout with heavy-duty shafts, bearing guides and seals.
3. Available automated or manual controls.
4. Narrow profile “space saving” design.

Used together, these two devices complement each other and provide a comprehensive energy dissipation solution in applications where severe or extreme cavitation is expected.