



KAM® SMP™ STATIC MIXING PLATE

KAM® SMP™ STATIC MIXING PLATE

Creating a homogenous flow in liquids and gasses, the patented KAM® SMP™ Static Mixing Plate ensures accurate flow measurement and mixing for a variety of purposes and materials. It is particularly well suited for sampling, blending, additive injection, and homogenizing building materials, adhesives, gasses, foods, fire fighting foam, etc.

The uniquely simple, patented design requires no outside energy source, utilizing the natural flow within your pipe instead and achieving turbulent flow at a much lower Reynolds number than other conventional static mixers. The SMP™ plate divides that flow into two counter-rotating streams. These vortices rotate until the energy added to the flow is totally dissipated, thereby creating a homogenous flow over a short distance with minimal pressure drop.

When mixing two fluids that stratify in a horizontal pipeline, the front scoop option can be used to lift the heavier fluid from the bottom of the pipe, mixing it with the fluid in the top. The KAM® SMP™ plate is easily incorporated into your pipeline with minimal space requirements, inserting between two flanges.

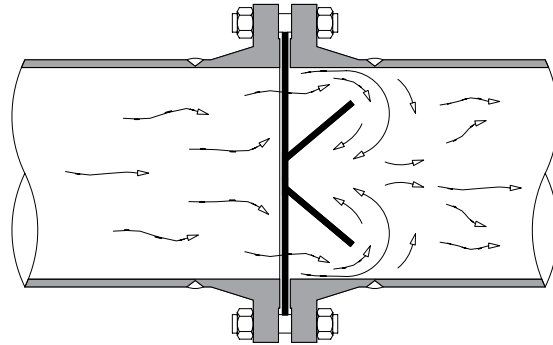


KAM® SMP™ STATIC MIXING PLATE
WITH FRONT SCOOP

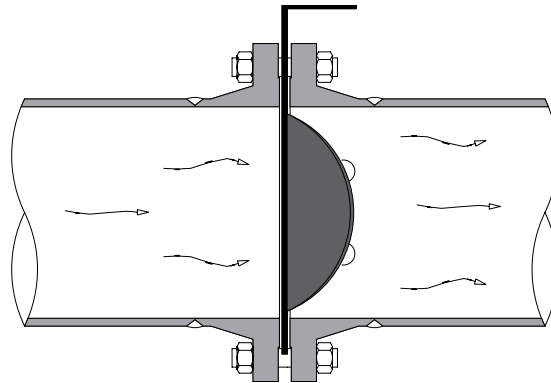
KAM CONTROLS IS AN ISO 9001 CERTIFIED COMPANY

KAM® SMP™ STATIC MIXING PLATE

Horizontal longitudinal sectional of the SMP's mixing element secured between opposite end flanges or sections along a pipeline or flow conduit.



Vertical longitudinal sectional of the mixing element, particularly the two counter-rotating flow streams created after the laminar flow stream passes through the mixing element.



KEY KAM® ADVANTAGES

- Low pressure drop
- Simple and rugged
- No moving parts
- Uniform density
- Uniform temperature
- Lightweight
- Minimal operating cost
- Fits between two flanges

APPLICATIONS

- Blending
- Sampling
- Metering
- Sample mixing
- Pulp and paper
- Water
- Wastewater
- Heat exchange
- Gas

SPECIFICATIONS

- Pipe size: 2" to 48"
- Material: Carbon steel
Stainless steel
(additional materials also available)
- Pressure ratings: ANSI 150, 300, 600, 900
- Installation: Fits between flanges

WWW.KAM.COM

Email Sales@Kam.com

Tel +1 713 784 0000

Fax +1 713 784 0001

SMPLIT-1011

KAM CONTROLS, INC. reserves the right to make changes to this document without notice.