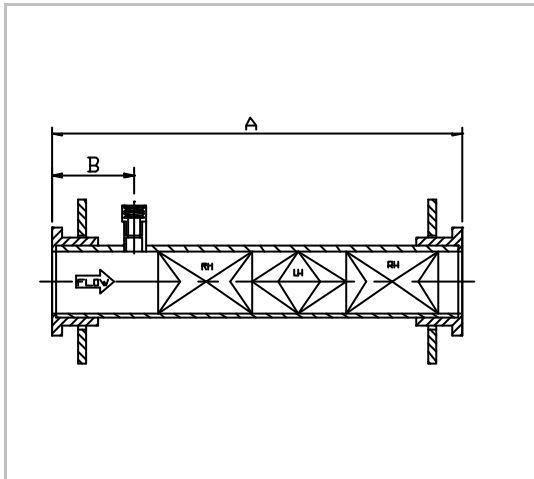


# "S" Type Static Mixers

## 80 mm Diameter Mixers

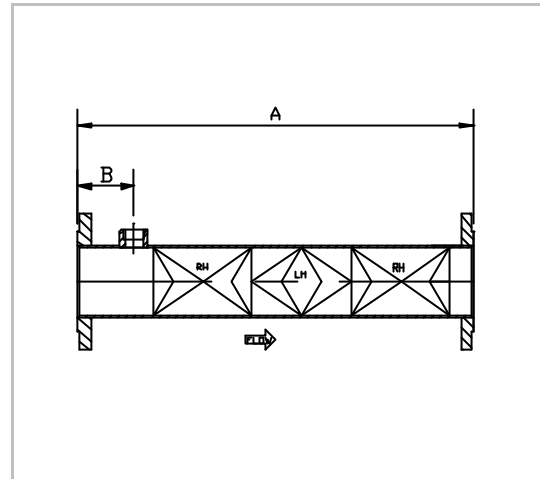
A range of high quality, standard design Statiflo Mixer. These units incorporate the technology of Statiflo's world leading mixing element designs.

### uPVC Mixers



Number of elements	3
Mixer length (A) - mm	500
Boss dimension (B) - mm	100
Mixer weight - kg	7

### Stainless Steel Mixers



Number of elements	3
Mixer length (A) - mm	500
Boss dimension (B) - mm	90
Mixer weight - kg	11

### Mechanical data

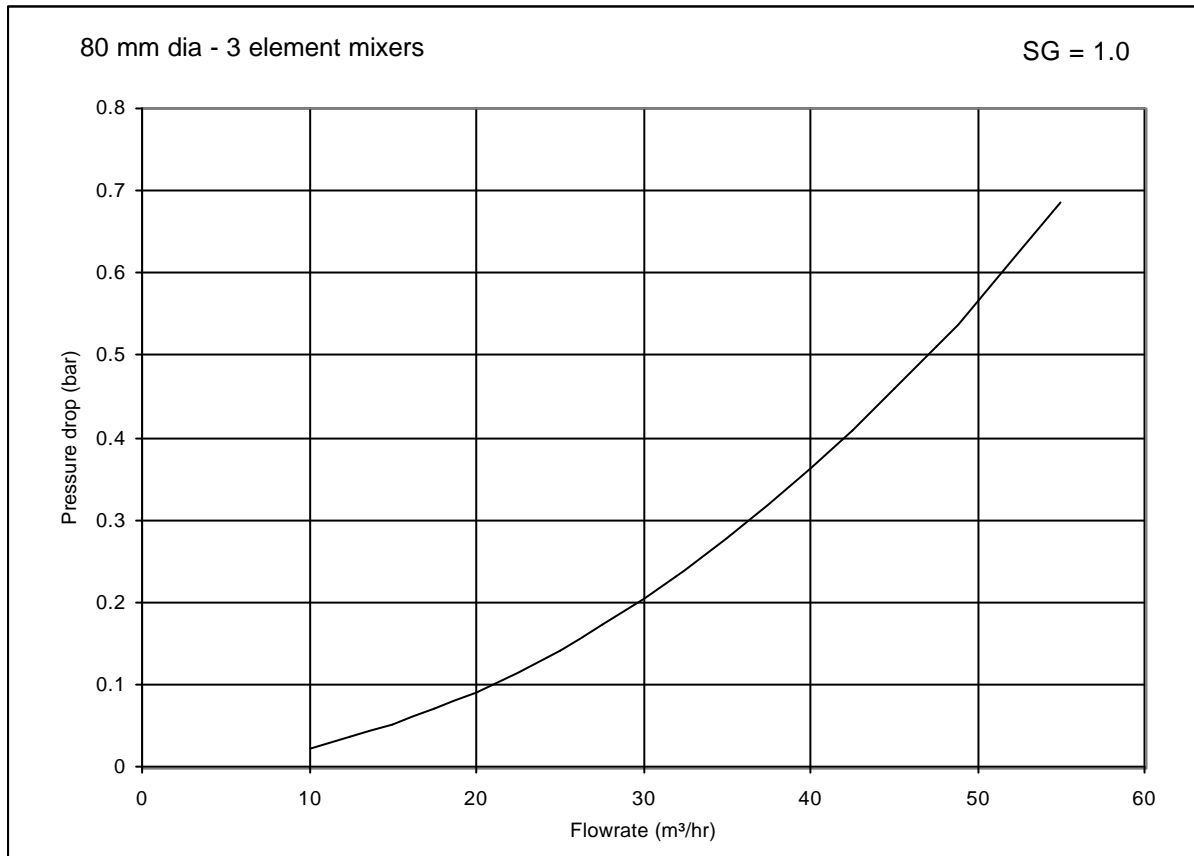
Material	uPVC	Material	316 Ti (WN 1.4571)
Housing	Pressure class E	Housing	Schedule 10s
Flanges	NP16 RFSO With polypropylene coated steel backing rings	Flanges	NP16 RFSO
Elements	uPVC Fixed	Elements	Fixed - by weldment
Dosing boss	25 mm NB Female	Dosing boss	25 mm NB Female
Design temperature	40° C	Design temperature	100° C
Design pressure	10 barg	Design pressure	10 barg

### Notes :-

- A) Stainless steel mixer designed for P.E.D. class S.E.P.
- B) Mixers supplied with material certification/letter of conformity to DIN 5009.3.1- B.
- C) uPVC units may be supplied with full face flanges & backing rings at our discretion.
- D) For alternative designs, additional features, NDE, further documentation or hydrotesting - refer to Statiflo Series 100 & 400 ranges.

# Statiflo "S" type Static Mixers

## Pressure drop design data



1. Mixers detailed are designed only for liquid/liquid miscible mixing.
2. Both sidestream and mainstream viscosities to be between 1.0 cP and 10 cP.
3. Maximum sidestream to mainstream volume ratio 1:1000.
4. Mixer designed to achieve CoV < 0.05 within one diameter of mixer discharge.
5. For alternative SGs, multiply the mixer pressure drop by the fluid SG.
6. For alternative designs/applications – contact Statiflo.

*Statiflo also supply an extensive range of :*

**Static Mixers** in all available materials of construction. - Sizes up to 3000 mm.

**Channel Mixers** in all materials of construction. - Both open & closed, with no theoretical size limit.

**Gas Dispersion Systems** for Ozonation, aeration & oxygenation of water. Sizes up to 3000 mm.

**Laminar flow Heat Exchangers** for viscous cooling - available at pressures up to 300 bar.

**Specialist mixing systems** - particularly for two phase flow mixing.

**Contact your local office for further information/assistance - do not guess**

**If in doubt - ASK**