

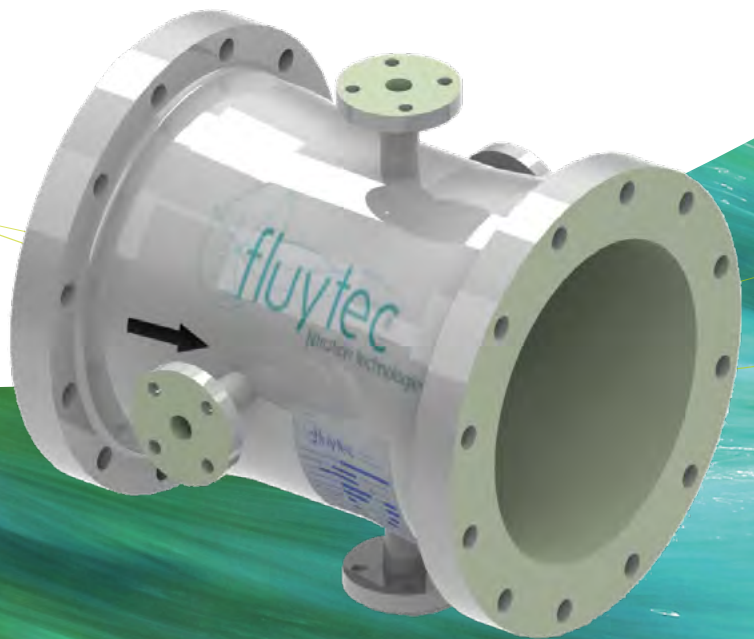


# The SMP Series

## Static Mixers

Fully Non Corrosive Materials

Fluytec Proprietary  
Mixing Technology



100% FRP FIBERGLASS REINFORCED  
POLYMERS



LOW PRESSURE DROP 0,01 - 0,1 BAR



HOMOGENOUS & EFFECTIVE MIXTURE



EASY TO INSTALL



WIDE RANGE OF DIAMETERS  
DN50 - DN2000



IN A VERY SHORT DISTANCE

## Design

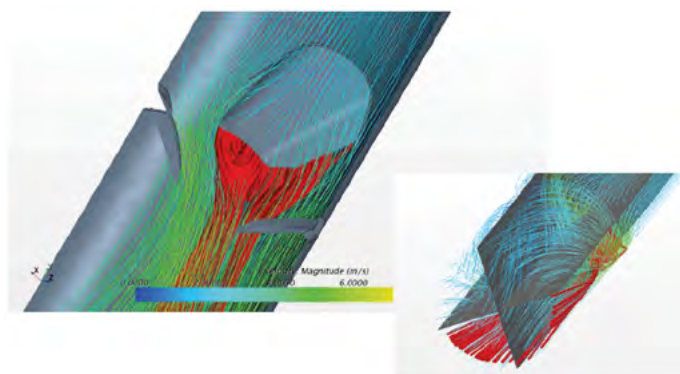
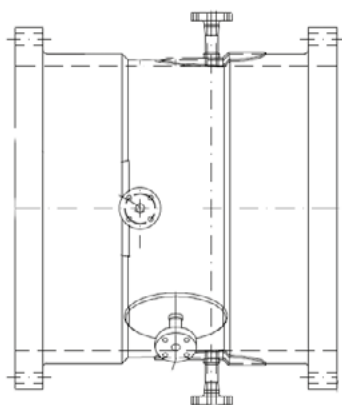
Standard and Customized Design Codes Upon Request (European & American codes).

## Construction Materials

Construction material is Fiberglass Reinforced Polyester (FRP), which has proven to be the best material in terms of corrosion and high flows.

The main cylinder of the Static Mixer is made through male moulds, following the manual applying process (hand layup) in combination with the filament winding technique. This allows Fluytec to obtain an internal surface with less friction and, consequently a very low pressure drop.

The internal nozzles made in FRP as well, are always integral to the body. Injection ports for the most critical chemicals are carefully protected with suitable coatings.



## Painting & Finishing

### Internal:

- Chemical Barrier of Vinyl-Ester Resin.
- Natural finishing without treatment due to Filter Housing's design.

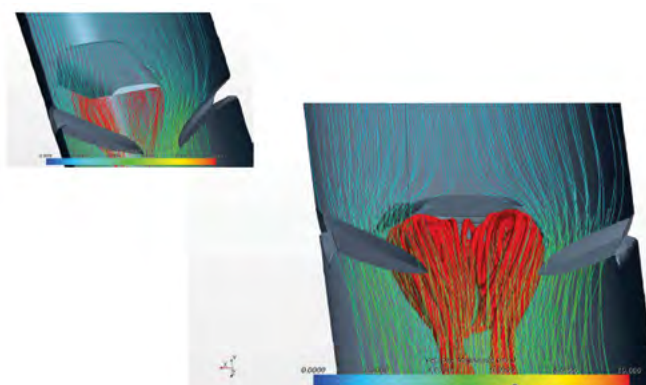
### External:

- Priming with a two-compound painting with the proper adherence for FRP.
- Final Painting: with a two-compound painting.

### Colour:

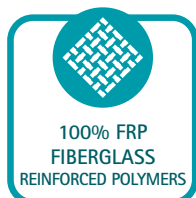
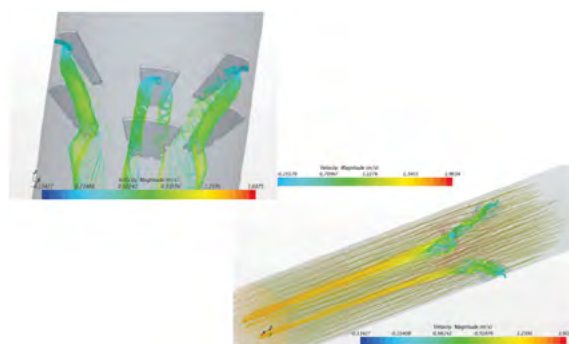
Default Fluytec White RAL 9003 with ultraviolet (UV) protection.

**Note:** Fluytec is open to customize the colour of the mixer according to customer's requirements.



## Operation

Fluytec's Static Mixers are designed in order to get the mixture of additives in a short period of time. The design includes a FRP ring where FRP static nozzles are placed. Differences in additive percentages does not affect in the homogeneity of the mixture. Assembly and installation of this equipment is really simple. It has to be installed in piping systems through flanged connections.



## Fluytec references

Some Fluytec FRP/GRP SMP Series installed globally.

| Project                              | Country     | Capacity m <sup>3</sup> /day |
|--------------------------------------|-------------|------------------------------|
| Palm Beach Project                   | ALGERIA     | 5,000 m <sup>3</sup> /d      |
| SWRO Plant La Fontine                | ALGERIA     | 10,000 m <sup>3</sup> /d     |
| SWRO Plant Zeralda                   | ALGERIA     | 10,000m <sup>3</sup> /d      |
| Station Dessalement de Bousmail      | ALGERIA     | 100,000 m <sup>3</sup> /d    |
| East Bay WTP                         | PHILIPPINES | 50,000 m <sup>3</sup> /d     |
| Sharm el Sheikh                      | EGYPT       | 30,000 m <sup>3</sup> /d     |
| Jubail SWRO                          | KSA         | 400,000 m <sup>3</sup> /d    |
| ARAR WTP Project                     | KSA         | 750,000 m <sup>3</sup> /d    |
| DUBAL                                | UAE         | 47,750 m <sup>3</sup> /d     |
| New Mansoura SWRO                    | UAE         | 80,000 m <sup>3</sup> /d     |
| SWRO Nuweiba                         | EGYPT       | 15,000 m <sup>3</sup> /d     |
| Duqm project                         | OMAN        | 230.000 bpd                  |
| DUBA SWRO                            | KSA         | 125,000 m <sup>3</sup> /d    |
| SAOC SALALAH SWRO<br>("Salalah IWP") | OMAN        | 114,000 m <sup>3</sup> /d    |
| AGADIR SWRO                          | MOROCCO     | 275,000 m <sup>3</sup> /d    |
| PROVISUR                             | PERU        | 34,560 m <sup>3</sup> /d     |
| Ras Al Khaimah (RAK)                 | UAE         | 83,000 m <sup>3</sup> /d     |
| SHARMA ROYAL PALACE SWRO             | KSA         | 20,000 m <sup>3</sup> /d     |
| KAEC SWRO                            | UAE         | 30,000 m <sup>3</sup> /d     |
| Alba RO                              | BAHREIN     | 31,800 m <sup>3</sup> /d     |
| Stage RO Jubail SWTP                 | KSA         | 58,500 m <sup>3</sup> /d     |







Other products in this range:

- FTP Series Cartridge Filters (GRP)
- FTI Series Cartridge Filters (SS, CS)
- FTPV Series Cartridge Filters (PVC)
- ...



Fluytec Solutions Worldwide  
Visit our Website for more information

