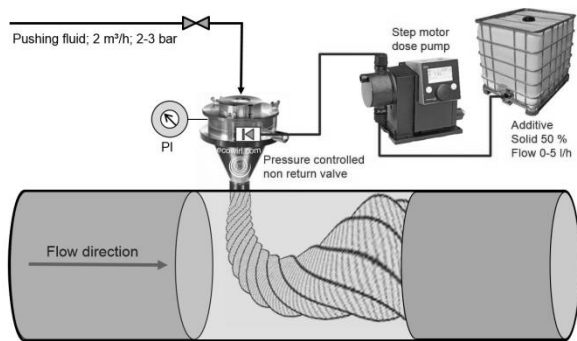


ecowirl® d

Short-time performance

1. Whirl field creation
2. Enhancement of water surface
3. Additive injection
4. Whirl field premixing
5. Whirl field mainstream injection



Potential applications:

- ✓ Polymers
- ✓ Flocking agents
- ✓ PAC
- ✓ Gases

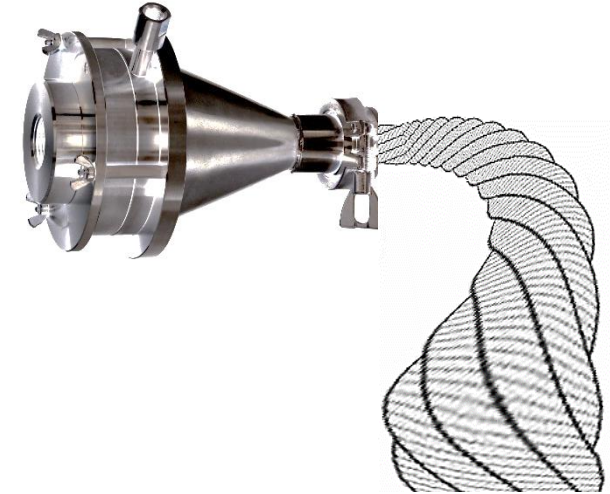


econovation GmbH
Im Nollen 11
D-73035 Göppingen
www.econovation.de

Tel.: +49 7161 3079468
Fax.: +49 7161 3628137
info@econovation.de

ecowirl® d

Preparing, Dosing and Mixing of Additives



- ✓ High additive efficiency
- ✓ low-maintenance
- ✓ Suitable for process water
- ✓ Self-cleaning
- ✓ Sterile additive supply
- ✓ Standby operation
- ✓ Flexible field installation

Evaluation of user

Technologist

- ✓ Better process efficiency
- ✓ Enhancement of additive efficiency
- ✓ Process water instead of fresh water
- ✓ Smart process
- ✓ Low maintenance
- ✓ Operation without biocides possible

Operator

- ✓ Wide field of application
- ✓ No cleaning of containers
- ✓ Simple operation control
- ✓ Easy Inspection
- ✓ Reliable for standby applications

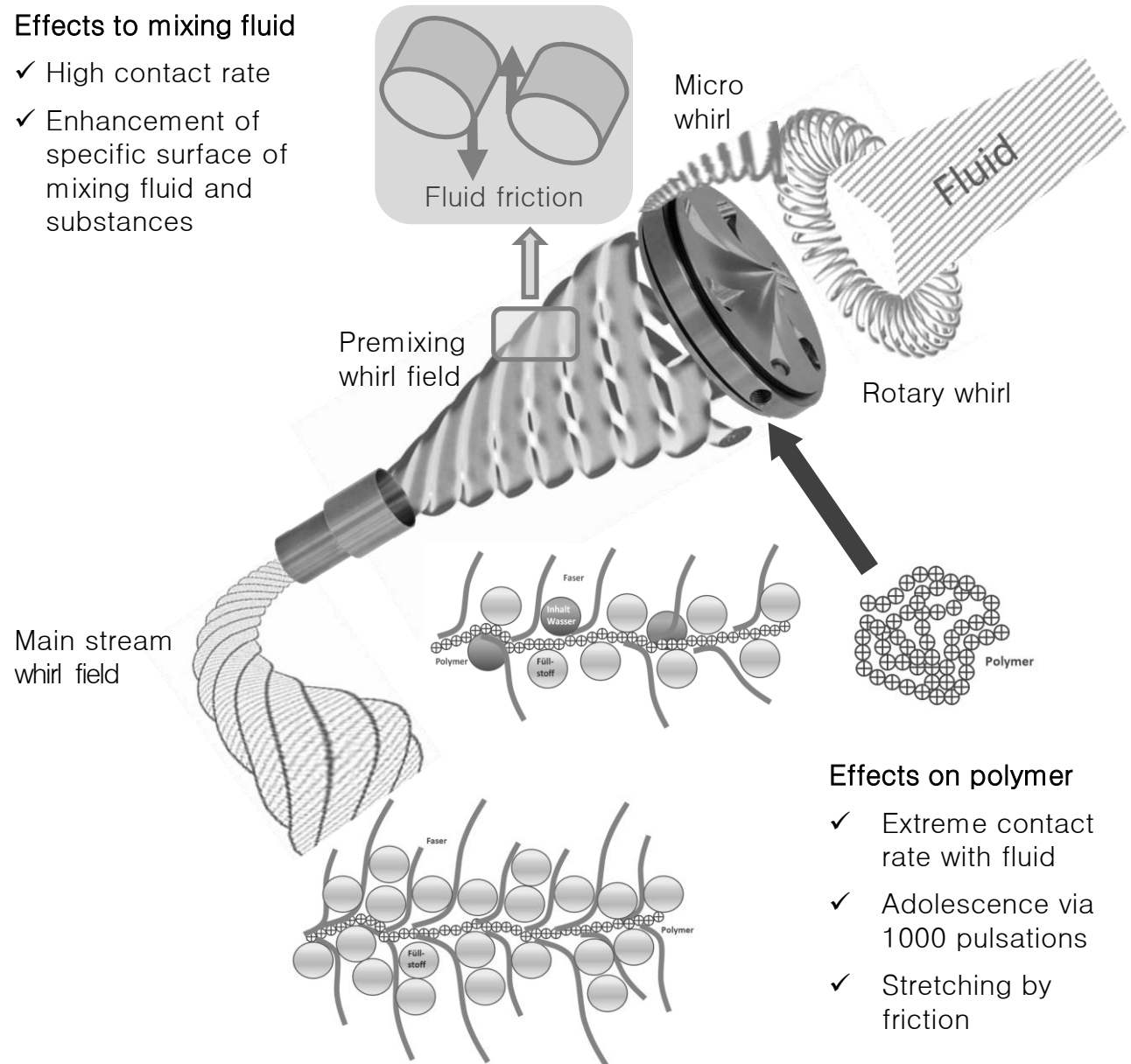
Maintenance personal

- ✓ Reduced costs for energy
- ✓ Very little maintenance effort
- ✓ Reduced equipment regarding:
 - Stirrers
 - Pumps
 - Pipes
 - Controlling
- ✓ Very few costs of investment in case of new installations

ecowirl[®] d Polymer handling

Effects to mixing fluid

- ✓ High contact rate
- ✓ Enhancement of specific surface of mixing fluid and substances



Effects on polymer

- ✓ Extreme contact rate with fluid
- ✓ Adolcescence via 1000 pulsations
- ✓ Stretching by friction