

MPT·Dosing
by professionals.



MPT
Proprietary
Products

MPT·DINseries

Dynamic Inline Mixer
For all those who want to mix with perfection



MPT·DIM_{series}

Perfect homogenization
of substances in
the liquid stream

- ▶ MPT's dynamic inline mixers guarantee intensive, easily adjustable mixing in the pipe – with automatic change of rotation direction.
- ▶ Fluids are dispensed towards the injection nozzle where they are promptly mixed in by the agitator blades.
- ▶ The centrifugal force of the shaft ensures optimum dispersion of the injected fluid in the liquid flow.
- ▶ Continuous stirring prevents stratification, the injection fluid reaches every single particle of the liquid.
- ▶ Clumps are dissolved before they can interfere with the process.

#DIM_series

MPT·DIM_{50–200}



Application

Many know the dilemma: As a reaction to insufficient mixing of flocculants, the dosage is drastically increased. If the added flocculant is also diluted to improve its miscibility, the following problem arises: Water is flowing into the system, although the intention is to extract it.

The dynamic inline mixers from MPT bring that to an end. Numerous applications proved it. The active substances of the polymer are distributed very uniformly in the sludge. The result is convincing all along the line: efficient dewatering with noticeably lower consumption of flocculants. Don't you want to benefit from these advantages in the future?

Dynamic Inline Mixer – designed by MPT

There is nothing better for intensive mixing – such as polymer flocculants for dewatering sludge on filter and belt presses.

Function

The powerful inline mixer from MPT injects fluids into the liquid stream within an extremely short time. This significantly reduces fluid consumption.

Since the concentration of the liquid depends mainly on a controlled viscosity of the dilution, it is also possible to concentrate the injection liquid higher and add it in reduced quantities. Savings of up to 40 % can therefore be achieved.

Applikationen

- Sludge dewatering e.g. on sewage treatment plants
- Waste water treatment e.g. in the paper industry
- Manufacturing processes e.g. for silicones or filter technology



“ If component solutions don't satisfy our needs, we develop our own brands. ”

René Velten / MPT, Measurement and dosing technology

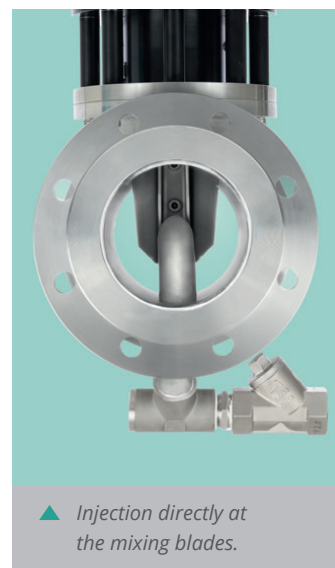
Technical data

Identical on all models

Material	1.4571 / FKM / PTFE
Pressure rating	PN 16
Process connection	Flange EN 1092 or ASME B16.5
Variable speed drive combination	max. 1.500 rpm
Input voltage	380 – 500 V
Input frequency	47 – 63 Hz
Protection class	IP55 or IP66

Variants

Type	DIM 50	DIM 80	DIM 100	DIM 125	DIM 150	DIM 200
Size	DN 50	DN 80	DN 100	DN 125	DN 150	DN 200
Installation length	218 mm	272 mm	314 mm	358 mm	396 mm	480 mm
Height	500 mm	600 mm	650 mm	700 mm	750 mm	850 mm
Depth	280 mm	300 mm	310 mm	325 mm	340 mm	380 mm
Injection port	G 1/2"	G 3/4"	G 1"	G 1"	G 1"	G 1-1/2"
Power	0,37 kW	0,75 kW	1,1 kW	1,5 kW	1,5 kW	2,2 kW





MPT·DosING

by professionals.

MPT DosING is your engineering specialist for design, planning and construction of individualized chemical dosing systems for water treatment and numerous technical processes.

MPT DosING - Your specialist for customized plants and systems

- ▶ accurate dosing
- ▶ optimal control
- ▶ perfect mixing

Key Industries



Power Plant
Technology



Chemical
Industry



Petrochemistry
Oil & Gas



Chemicals
Trade



Alternative
Energies



Industrial
Wastewater

#Engineering + Plant Construction

Exclusive representations

Leading manufacturers are among our exclusive partners for Germany and Europe.

WALCHEM



MILTON ROY

MPT proprietary products

MPT dynamic inline mixers and MPT suction lances: well thought-out solutions resulting from our many years of experience.

MPT·DIN series

MPT·SL series

We look forward to your challenges

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