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360° SERVICE

Tips and Tricks Metering Machines

Stand 2025

» Useful information on application technology

500 DMA 01/25 REPLC // SG 12.1

INDEX

Overview of current Hennecke mixheads I-II

Update 1.17

○ Available or available as an option × Not available or not suitable ✓ Suitable

Selection of criteria / Types of Mixhead	PERFORMANCE DATA			DIMENSIONS*				AVAILABLE INJECTORS							
	Number of components	Laminar output with injection into open mould [cm³/s]	Mixture attachment to mould [cm³/s]	Height [mm]	Length [mm]	Width [mm]	Weight approx. [kg]	STATICJET ❷	FIXJET ❸	FLEXJET SL ❹	FLEXJET GL ❺	FLEXJET GL SINGLE ❻	TWINJET ❼	Servo controlled injectors	Injector orifice package ❽
MT-A deflection mixheads, groove-controlled															
MT-A 8-2	2	25 - 150	300	395	172	137	18	×	○	○	×	○	×	×	×
MT-A 8-2 L	2	25 - 150	300	494	172	137	20,5	×	○	○	×	○	×	×	×
MT-A 12-2	2	50 - 300	600	400	174	137	18	×	○	○	×	○	×	×	×
MT-A 12-2 L	2	50 - 300	600	499	174	137	20	×	○	○	×	○	×	×	×
MT-A 18-2	2	125 - 600	1200	447	198	150	26,5	×	○	○	×	○	×	×	×
MT-A 18-2 L	2	125 - 600	1200	537	198	150	28,5	×	○	○	×	○	×	×	×
MT-A 22-2	2	200 - 950	2000	570	257	160	44	×	○	○	×	○	×	×	×
MT-A 26-2	2	300 - 1300	2600	570	260	185	49	×	○	○	×	×	×	×	×
MT-A 26-2 L	2	300 - 1300	2600	660	260	185	53	×	○	○	×	×	×	×	×
MT-A 20-4 MF	4	160 - 700	N/A	526	269	326	51,5	×	×	×	○	×	×	×	×
MT-A 22-6 MF	6	200 - 750	N/A	599	307	352	75,5	×	×	×	○	×	×	×	×
MT-E deflection mixheads, groove-controlled															
MT-E 12-2	2	50 - 300	600	36	400	174	137	×	○	○	×	×	×	×	×
MT-E 18-2	2	125 - 600	1200	72	447	198	150	×	○	○	×	×	×	×	×
MT-E 22-2	2	200 - 950	2000	120	570	257	160	×	○	○	×	○	×	×	×
MT deflection mixheads, groove-controlled ❿															
MT 3-2	2	3 - 20	20	215	100	90	4	○	×	×	×	×	×	×	×
MT 6-2	2	8 - 50	50	290	195	80	8	○	×	×	×	×	×	×	×
MT 12-3 CC	2 (+1)	50 - 300	N/A	434	215	185	22,5	×	○	○	×	○	×	×	×
MT 12-4	4	50 - 300	N/A	410	205	185	24	×	○	○	○	○	×	×	×
MT 36-2	2	500 - 2500	5000	865	343	262	100	×	○	○	×	×	×	×	×

* Different depending on technical equipment

❶ All figures for dimensions and weight refer only to the mixhead housing. Depending on the specific configuration (e.g. with regards to hose lines, injectors, sensors) the figures may differ considerably in some cases.

❷ Non-adjustable injector orifice

❸ Manually adjustable injector

❹ Spring-loaded constant pressure injector

❺ Gas-loaded constant pressure injector with hydraulic closing

❻ Gas-loaded constant pressure injector

❼ Double-stack injector

❽ Non-adjustable injector orifice for low-pressure applications

❾ L = Long version
MF = For molded foam applications

❿ CC = With interchangeable additional component for colors

⓫ CSM = For spray applications
RTM = For HP-RTM applications

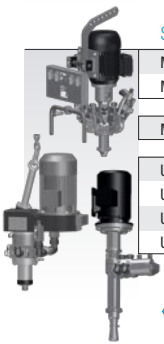
⓬ MC = Two-part design for MULTI-CONNECT technology
SC = One part design

Dimensions and weight for the MN 8 MC without connection block

Overview of current Hennecke mixheads II-II

Update 1.17

○ Available or available as an option × Not available or not suitable ✓ Suitable

Selection of criteria / Types of Mixhead	PERFORMANCE DATA			DIMENSIONS*				AVAILABLE INJECTORS							
	Number of components	Laminar output with injection into open mould [cm³/s]	Mixture attachment to mould [cm³/s]	Height [mm]	Length [mm]	Width [mm]	Weight approx. [kg]	STATICJET (2)	FIXJET (3)	FLEXJET SL (4)	FLEXJET GL (5)	FLEXJET GL SINGLE (6)	TWINJET (7)	Servo controlled injectors	Injector orifice package (8)
MN linear mixheads, groove-controlled (11)															
 MN 6-3 CSM	2 (+1)	6 - 40	N/A	155	65	65	4	○	○	×	×	×	×	×	×
MN 8-2 CSM	2	20 - 160	N/A	188	88	162	7	×	○	○	×	○	×	×	×
MN 10-4 CSM	4	30 - 250	N/A	298	175	175	13	×	○	○	○	○	×	×	×
MN 8 MC (12)	2	N/A	20 - 160	256	132	161	11,5	○	×	×	×	×	×	×	×
MN 8 SC (12)	2	N/A	20 - 160	256	132	161	12,3	○	×	×	×	×	×	×	×
MN 6-3 RTM	2 (+1)	N/A	6 - 80	256	117	180	11	○	×	×	×	×	×	×	×
MN 10-3 RTM	2 (+1)	N/A	15 - 250	379	116	146	18	×	○	○	×	○	×	×	×
MN linear mixheads, groove-controlled															
 MXL 14-2	2	100 - 1500	N/A	240	225	180	12	×	○	○	×	○	×	×	×
MXL 25-2	2	750 - 5000	N/A	300	285	235	21	×	○	○	×	×	×	×	×
ML 25-4	4	2000 - 9000	N/A	225	150	225	20	×	×	×	×	×	×	○	×
Stirrer mixheads															
 MEL-6C	4 (+2)	106,6 - 500	N/A	830	320	350	86	×	×	×	×	○	×	×	×
MEL-8C	4 (+4)	6,7-256,6	N/A	540	340	175	30	×	×	×	×	○	×	×	×
MNR 42	2	1500 - 7500	N/A	1570	560	300	270	×	○	×	×	×	×	×	×
ULTIMIX C2-2	2	4 - 46	N/A	516	404	232	26	×	×	×	×	×	×	○	×
ULTIMIX C12-2	2	10 - 277,6	N/A	568	404	232	29	×	×	×	×	×	×	○	×
ULTIMIX C25-2	2	64,1- 473,7	N/A	647	480	232	38	×	×	×	×	×	×	○	×
ULTIMIX C60-2	2	150,1 - 1851,5	N/A	757	472	232	46	×	×	×	×	×	×	○	×

* Different depending on technical equipment

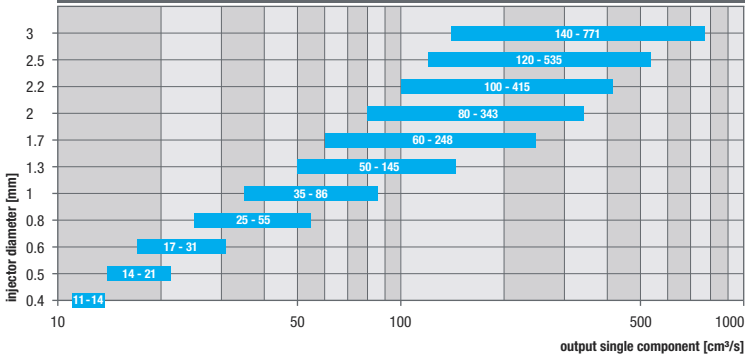
(11) CSM = For spray applications
RTM = For HP-RTM applications

(12) MC = Two-part design for MULTI-CONNECT technology
SC = One part design

Operation range of nozzles

Constant-pressure injector / Standard injector

Operation pressure at the mixing head 150 bar

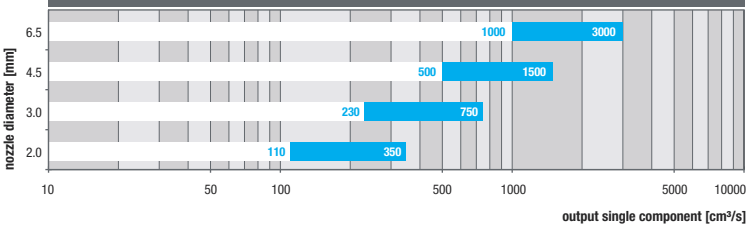


The information used applies to standard high pressure foam systems.
The information could deflect by special specification.

The idicated injector diameters are not available for all variants.

MT- and MT-A series, big type (approx. values)

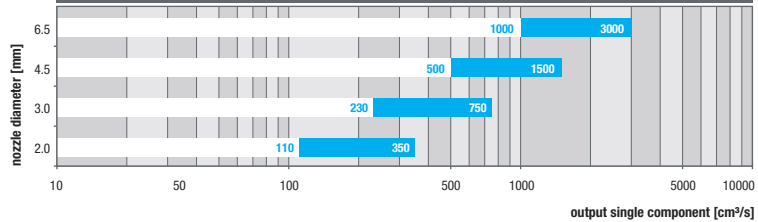
MT 26 and MT 36



Always choose the smallest possible diameter!

MX series, big type (approx. values)

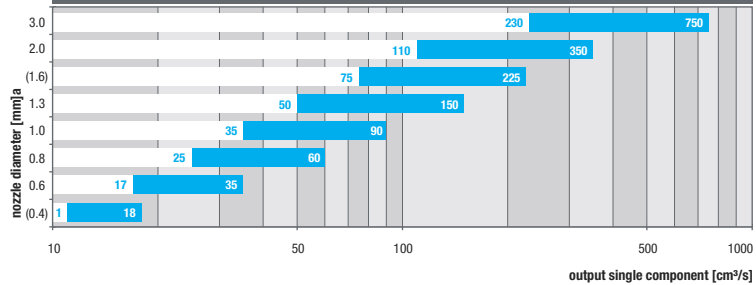
MX 26



Always choose the smallest possible diameter!

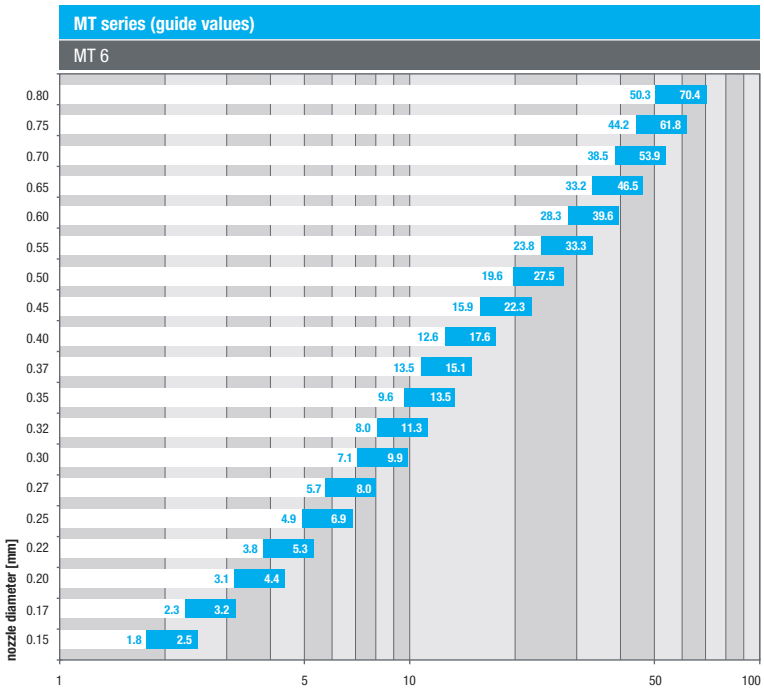
MQ and ML series, small type (approx. values)

up to MQ 18, MQ 20-6, ML 12



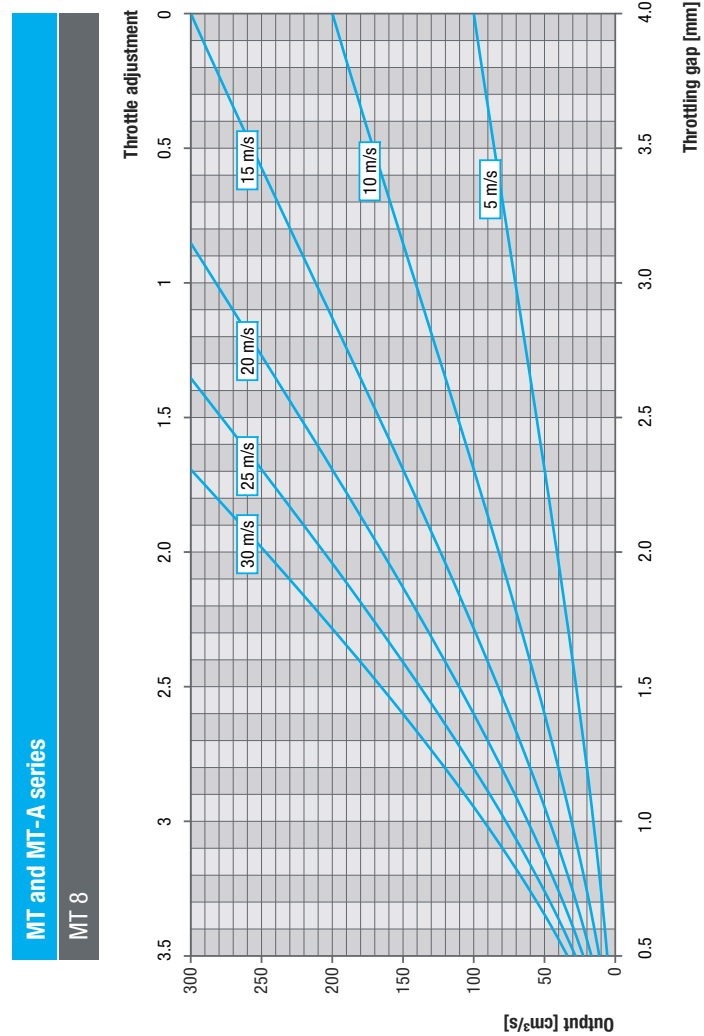
Always choose the smallest possible diameter!

Operation range of nozzles



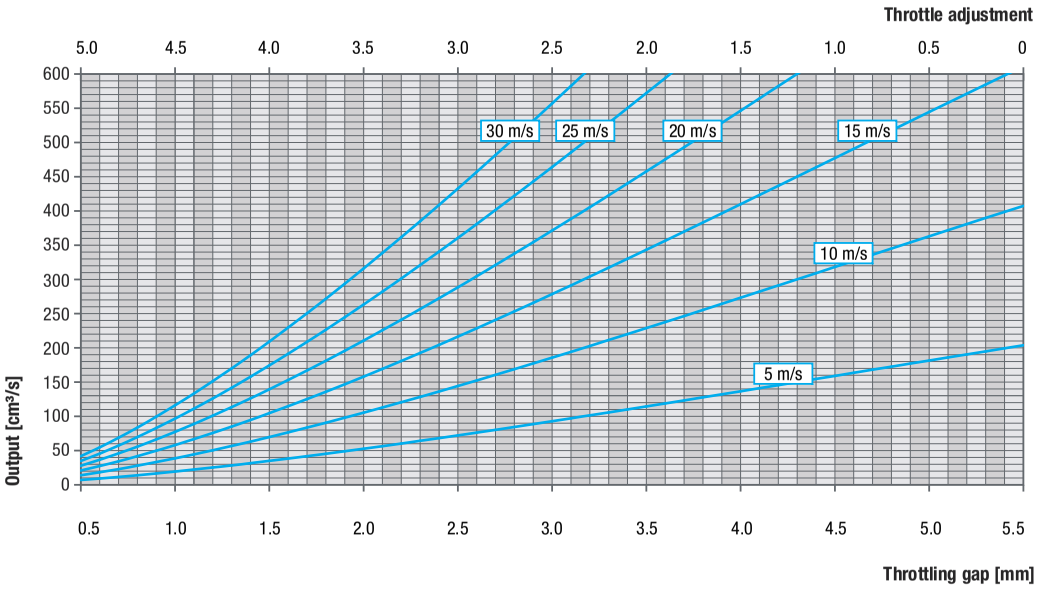
Output of individual component ccm/s (for a flow rate of 100 - 140 m/s)

Throttle adjustment



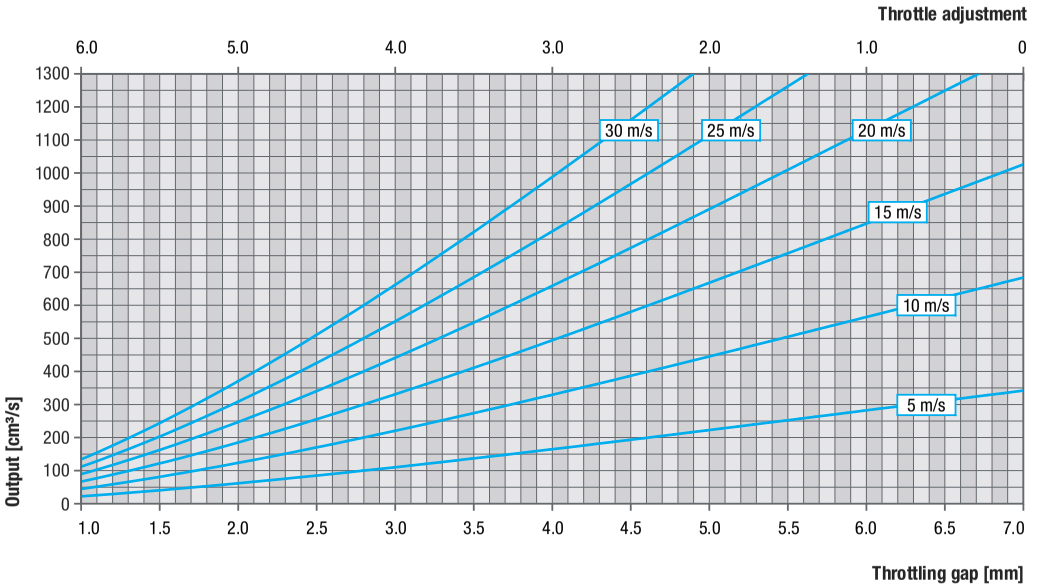
MT and MT-A series

MT 12



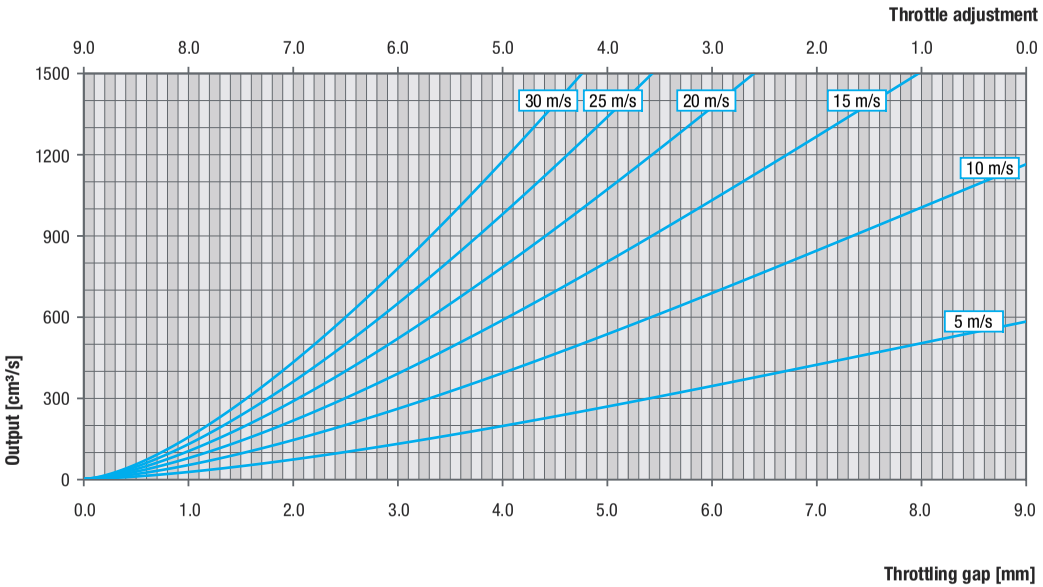
MT and MT-A series

MT 18



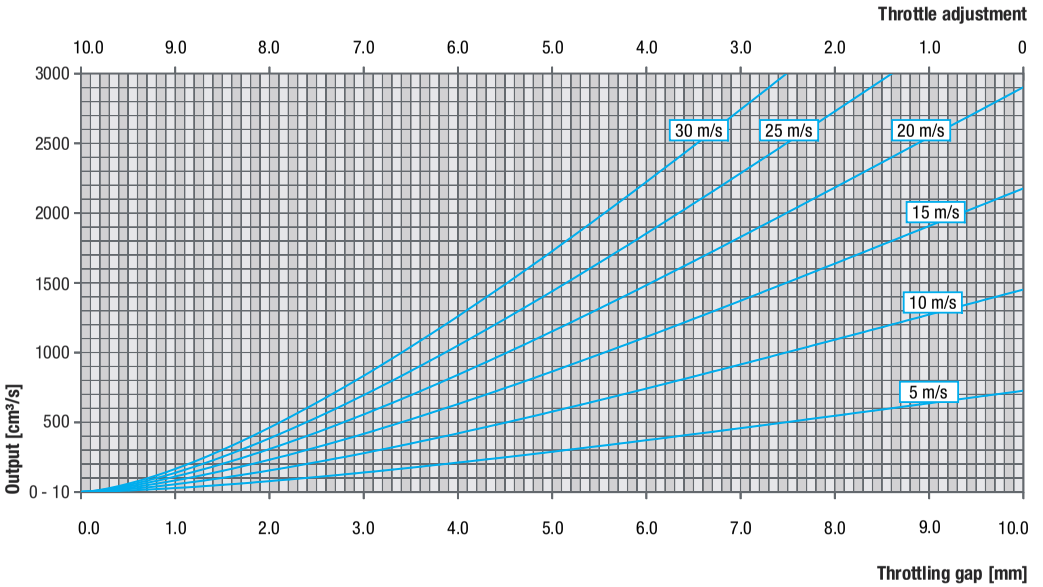
MT and MT-A series

MT-A 20

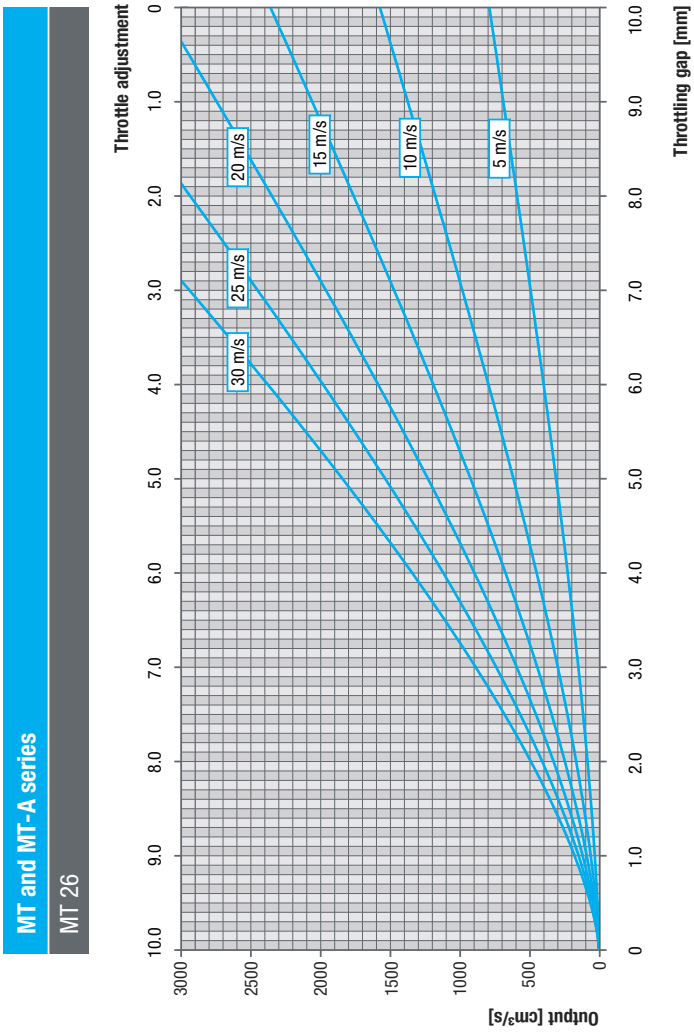


MT and MT-A series

MT 22



Throttle adjustment



Overview of axial piston pumps

Pump				
Pump type	Stroke volume	SV pressure	Max. working pressure (100% DC)	Indicated output 50 Hz
	[cm³]	[bar]	[bar]	[cm³/s]
HP2 [2]	2	320	280	22
HP2	2	320	280	45
HX6	6	320	280	130
HP6 [2]	6	320	280	65
HP6	6	320	280	130
HP11	11.5	320	280	250
HX12	12	320	280	270
HQ12 / HL12 [3]	12	320	280	270
HX28	28	320	240	650
HQ28 / HL28 [3]	28	320	240	650
HP33 [2]	33	250	200	350
HP33 [4]	33	250	200	470
HP33	33	250	200	720
HL55	55	250	180	1250
HP62	62	250	180	1400
HQ107	107	250	180	2500
HQ107 HP	107	250	210	2500

[1] The table values apply to a network frequency of 50 Hz and a nominal speed of 1500 rpm. At 60 Hz, the maximum capacity is increased by about 20%.

[2] The table values apply to a network frequency of 50 Hz and a nominal speed of 750 rpm.

[3] All pumps of the HL series will be replaced by new HQ series pumps.

[4] The table values apply to a network frequency of 50 Hz and a nominal speed of 1000 rpm.

Metering time offset

Determining the time offset

The metering time offset serves to compensate for the switching process of the control piston or the metering injectors. As the metering time is started by the proximity switch signal "control piston in metering position", the metering begins before the metering time starts to run. The opposite is true for mixheads with switchable injectors. Here the metering time starts when the metering valve is switched on. However, some time passes before the nozzle opens and the metering begins.

The switching time of the control piston or the injector is the same for each metering operation, irrespective of the time set. The metering time offset can be calculated as follows:

1. Check the metering time offset entered and set it to 0 ms.
2. Carry out a short and a long metering operation and measure the metering weight of each one. (Example: First metering operation one second and second metering operation ten seconds).
3. Multiple the weight of the short operation by the time difference between both operations (a).
4. Divide the result (a) by the weight difference between the two operations (b).
5. Subtract the result (b) from the short metering time and then convert the result into milliseconds (c) and enter this figure into the control system.

For example:

Metering time short [t1] 1 s Mass 1 [m1] 232.3 g
Metering time long [t2] 10 s Mass 2 [m2] 2240.8 g

$$Metering\ time\ offset\ x\ [ms] = \left[t1 - \frac{m1 * (t2 - t1)}{(m2 - m1)}\right] * \frac{1000\ ms}{1\ s}$$

a. 232.3 g * (10 s – 1 s) = 2090.7 g * s
b. 2090.7 g * s / (2240.8 g – 232.3 g) = 1.04093 s
c. 1 s – 1.04093 s = -0.04093 s = -40.93 ms

HIGHLINE MK2 metering units: Technical data

Version A:B=1:1

Machine Size	Max. pump output [1]		Total output	Tank sizes	Connected load [2]
	Polyol	Isocyanat			
HIGHLINE MK2	[cm³/s]	[cm³/s]	[cm³/s]	[l] (effective content)	[kW]
55/55	55	55	110	60l or 230l	26kW
155/155	155	155	310	60l or 230l	26kW
320/320	320	320	640	60l or 230l	35kW
770/770	770	770	1540	60l or 230l	50kW
1400/1400	1400	1400	2800	60l or 230l	65kW

Version A:B=2:1

Machine Size	Max. pump output [1]		Total output	Tank sizes	Connected load [2]
	Polyol	Isocyanat			
HIGHLINE MK2	[cm³/s]	[cm³/s]	[cm³/s]	[l] (effective content)	[kW]
155/55	155	55	210	60l oder 230l	26kW
320/155	320	155	475	60l oder 230l	35kW
770/320	770	320	1090	60l oder 230l	50kW
1400/770	1400	770	2170	60l oder 230l	57kW

[1] Tabulated values apply at 50 Hz mains frequency. The maximum machine output at 60 Hz is approx. 20% higher

[2] For HIGHLINE MK2 machines in standard version

TOPLINE MK2 metering units: Technical data

Version A:B=1:1

Machine Size	Max. pump output [1]		Total output	Tank sizes	Connected load [2]
	Polyol	Isocyanat			
TOPLINE MK2	[cm³/s]	[cm³/s]	[cm³/s]	[l] (effective content)	[kW]
55/55	55	55	110	60l oder 230l	26kW
155/155	155	155	310	60l oder 230l	26kW
320/320	320	320	640	60l oder 230l	35kW
770/770	770	770	1540	60l oder 230l	50kW
1400/1400	1400	1400	2800	60l oder 230l	65kW

Version A:B=2:1

Machine Size	Max. pump output [1]		Total output	Tank sizes	Connected load [2]
	Polyol	Isocyanat			
TOPLINE MK2	[cm³/s]	[cm³/s]	[cm³/s]	[l] (effective content)	[kW]
155/55	155	55	210	60l oder 230l	26kW
320/155	320	155	475	60l oder 230l	35kW
770/320	770	320	1090	60l oder 230l	50kW
1400/770	1400	770	2170	60l oder 230l	57kW

[1] Tabulated values apply at 50 Hz mains frequency. The maximum machine output at 60 Hz is approx. 20% higher

[2] For TOPLINE MK2 machine with two tanks and temperature control

TOPLINE MK2 metering units: Lubrication and maintenance plan

Important information for the initial start-up

Before cleaning or maintenance work is performed in the hazardous area of the plant, the control unit is to be switched off. Furthermore, the "general safety instructions" are to be observed before cleaning and maintenance work is carried out. The instructions of the lubrication and maintenance plan do not dispense the operator from constantly making himself further familiar with the production line and including newly arising maintenance and repair work in the lubrication and maintenance plan. If any points are unclear or problems arise, we will be readily prepared to be of assistance.

Screw connections / Commissioning

All screw connections of the production line are to be checked after approx. 200 operating hours and to be retightened if necessary (first checking). Afterwards all screw connections of the production line have to be checked every 2000 operating hours. If required, retighten the screw connections.

If the operator connects plant or machinery parts and equipment himself, the pipe and hose connectors absolutely have to be checked for tightness prior to the initial start-up (before they are filled with components or liquids for the first time). For this purpose, the line system is charged with dry compressed air (abt. 6 bar). Soap solution is sprayed onto all connecting points. If soap bubbles are generated, the connecting point is not tight. The screws have to be retightened until the lines are absolutely tight. When using liquids with a tendancy towards crystallization, the following steps are to be taken: after the system has been checked and no leakage has been discovered, the pressure is to be kept overnight. Check next morning. In the case of a pressure drop > 0.2 bar the system has to be newly checked. Caution: Do not overturn screw connections. The sealing elements should be replaced in case of any doubt. The assembly instructions and tightening moments of the screw connections are to be observed.

Lubrication

All hinges, bearings and sliding points of the production line have to be cleaned and subsequently slightly greased at least every four weeks. Recommended lubricant: Graphitic lubricating grease, e.g. Klüber Grafloscon CA 901, alternative Retinax EP 2 multipurpose grease.

Hose lines

All high-pressure hose lines (p > 30 bar) have to be exchanged at the latest after 5 years or after 1,000,000 cycles.

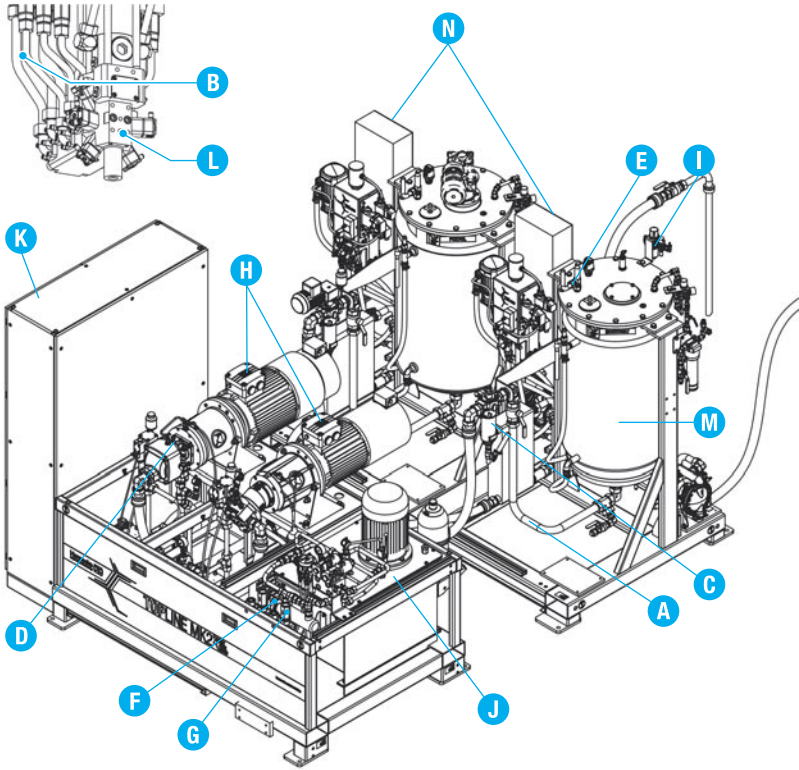
TOPLINE MK2 metering units:
Main components

Check for wear

All areas in which components are in slide contact (bearings and sliding points) are to be checked for wear on a weekly basis! If necessary regrease! If there is any unusual noise during the operation of the plant, the cause is to be eliminated immediately. In case of lack of lubricant, regrease! The components have to be exchanged at the latest when there is so much wear that the component may fail to operate or there is any danger to material or persons.

Cleaning work

The plant is to be kept clean. Maintenance work can only completely and effectively be carried out on a clean plant. In an extremely contaminated plant, damages and defects are often only recognized when it is too late. Therefore, a basic cleaning of the plant, the auxiliary devices as well as the electric and hydraulic equipment is to be executed regularly. The intervals of the basic cleaning mainly depend on the daily hours of operation and the operating conditions of the plant.



- A Piping system of components
- B High-pressure hoses / pipes
- C Edge filter
- D Pressure switch
- E Safety valves
- F High-pressure filter
- G Flowmeter
- H Metering pumps
- I Compressed air maintenance unit
- J Hydraulic unit
- K Electrical control
- L Mixhead
- M Work tank
- N Temperature control units

AROUND THE CLOCK, AROUND THE WORLD, ALL AROUND YOUR PRODUCTION NEEDS

For more than 80 years, Hennecke has stood for efficient machine and plant technology for polyurethane processing. With us, users around the world achieve high-quality and sustainably efficient production results.

Set the same standards when it comes to the right support for your production facilities or qualified training for your employees. With our 360°SERVICE, we offer our customers a variety of services at competitive prices.

Each user can pick from a tailor-made package of options to ensure maximum plant availability and up-time.

Does your company use Hennecke GROUP machine and plant technology? Why not opt for maximum support? This ensures that your Hennecke machine or plant will be in perfect operating conditions for a long time.

Registration for trainings and seminars

FIT FOR PUR

Our 360°TRAINING program offers professional and practice-oriented courses and seminars at competitive prices. The main focus is on how to use Hennecke's machine and plant technology properly as well as on targeted and successful troubleshooting.

We make sure that you and your staff can make best use of the performance potential of Hennecke technology. In other words, we make you fit for PU processing at the highest level.

- Customer-specific on-site and online training and comprehensive courses in process engineering, control technology and quality assurance. Training can be provided directly at the customer's premises upon request.
- Safety and confidence of your staff in operating machines and plants
- Effective increase in work quality and productivity
- Optimization of production and reduction of maintenance costs

SPARE PARTS COMPETENCE FROM A SINGLE SOURCE

An effective way of preventing costly production losses right from the start is to use original spare parts with manufacturer's warranty. Save yourself the search for alternative spare parts suppliers - our 360°SPARE PARTS is not only attractive because of reliable availability and fast delivery but especially because of the favourable price-performance ratio.

Opt for intelligent spare part management with qualified advice from a single source. The concrete result? Maximum uptime!

- The majority of our spare parts is on the way to you within 24 hours
- Benefit from individual spare part packages in different sizes
- Find the right spare part at any time in our 360°SMART Service Portal
- Tailor-made seal and repair kits from our central spare parts store or the worldwide 360°SERVICE network

FAST, RELIABLE, PROFESSIONAL

The operational life of machines and systems can often be significantly extended by upgrading various components cost-effectively.
Our 360°REPAIR offers a wide range of components on a hire basis at attractive prices. This changes nothing in the performance, which remains as perfect as ever.

The 360°REPAIR is also attractive for other reasons apart from the comprehensive fault management. It minimizes the risk of unplanned system outages, for example, thanks to precautionary measures or good guidance of users.

- Individual efficiency audits as a basis for all repairs
- Comprehensive fault management
- Prevention of plant downtimes during repairs
- Extensive range of repairs at fixed prices

DIGITAL SERVICES FOR QUALIFIED SUPPORT AND PROCESS MONITORING WITH IoT

360°SMART covers all our digital services. Thanks to a modern digital infrastructure, our qualified and extensive support services are only a few clicks away. Using the 360°SMART service portal, registered customers have fast and easy online access to a variety of services for their Hennecke production solutions.

FOAMATIC-IoT allows you to check on your Hennecke metering machine at all times and from any location. The Hennecke IoT solution for long-term machine data and production parameter analysis helps customers increase sustained production efficiency and allows optimized predictive maintenance. And of course, it is based on a consistently secure data connection.

- Available anywhere and at any time
- Send and track service and support requests
- Worldwide telephone and remote support from qualified Hennecke experts
- Minimize downtimes through fast troubleshooting
- Direct access to up-to-date machine and plant documentation
- Place orders and check availability and prices in our spare parts web shop
- Access our innovative FOAMATIC-IoT smart service solution

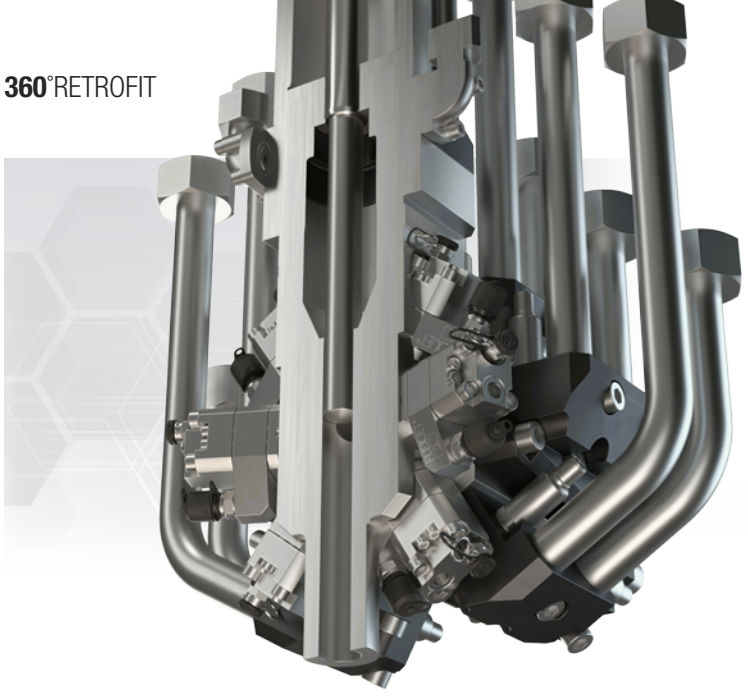
BOOSTING EFFICIENCY, REDUCING COSTS: FOAMATIC-IOT CONNECTS NEXT-GEN METERING MACHINES WITH THE INTERNET OF THINGS

Under the name FOAMATIC-IoT, Hennecke offers users outstanding options for increasing efficiency and optimizing running costs for their next-generation metering machine. Data acquisition on the secure IoT platform enables new insights into the production processes and thus a wide range of analysis options as well as the possibility of predictive maintenance. The FOAMATIC-IoT dashboard can be accessed worldwide using any time with any mobile device with a browser and displays all current and historical production data, making it comparable and analyzable.

The data collected can effectively support you in optimizing the following points:

- Raw material consumption
- Energy consumption
- Tank levels
- Fault alarms

Process data can be continuously analysed by FOAMATIC-IoT and selected and aggregated using various filters. This enables more reliable planning, reduces machine downtimes and optimizes spare parts management. Transmission and storage are carried out in accordance with the latest cybersecurity standards and you retain full control as the sole owner and user of the data.



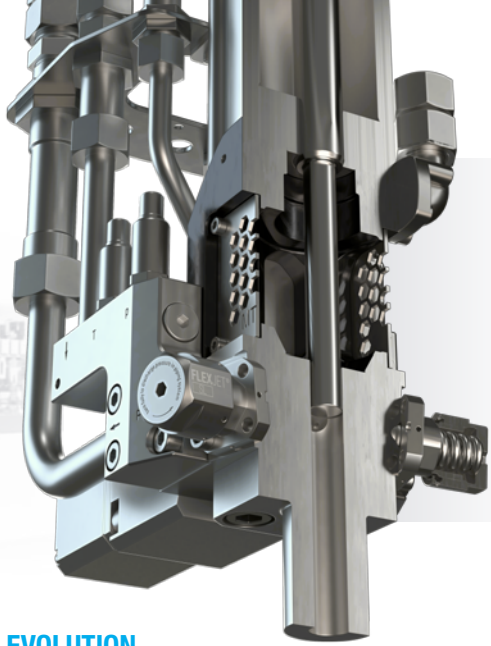
INNOVATION FOR RETROFITTING

360°RETROFIT offers you patented innovations for fast and simple retrofitting. This will efficiently optimize your machine's performance and ensure your production many more decisive advantages at an extremely attractive price-performance ratio.

Our 360°RETROFIT service is continuously improved with further innovative measures for retrofitting, where efficiency and customer benefit are the key. This is about more than a spare part – it's about innovation for retrofitting.

- Innovative and useful retrofit solutions focusing on resource efficiency and extended machine service life
- Convincing production results and maximum efficiency thanks to state-of-the-art technology
- More up-time and less expenditure on service staff

MT-A mixhead generation

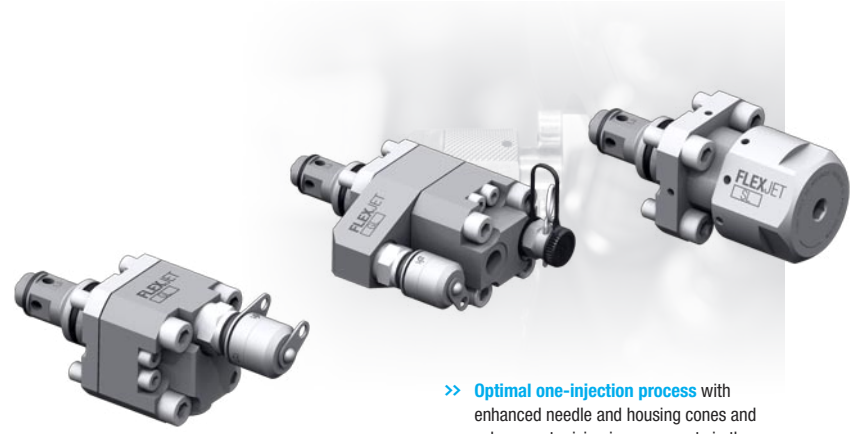


DISCOVER THE EVOLUTION TO OUR TRIED-AND-TESTED MT MIXHEADS

- **Extended service life** by incorporating an enhanced selection of materials with customized coating and finishing processes
- **Reduced maintenance** through easy access, less dead space and simpler repair options for the individual mixhead components
- **Superior metering precision and repetition accuracy** in combination with the new injector generation
- **Easy to use with non-Hennecke plants (manufactured by other companies)** due to standardized interface technology with minimal implementation measures required

The mixheads in our MT series are the most widely used in polyurethane processing. An ongoing process of further development - capitalizing on our vast in-house experience and extensive data - has led to the creation of a new mixhead generation: the MT-A. It combines the benefits of the previous MT mixhead generation with new future-proof features and functions. At the same time, a new injector generation has been specially developed for the MT-A mixheads, making an ideal and enhanced pairing of the most crucial elements in polyurethane processing.

NEW INJECTOR GENERATION



FORMING A PERFECT UNION WITH HENNECKE MT-A MIXHEADS

Optimal mixhead usage is always dependant on using the most suitable injectors. The previous generation of Hennecke injectors has not only proven itself in two and multi-component applications, but also included a wide range of injector models for specific applications. Hennecke's development of the new MT-A multi-component technology involved a complete re-think of the injector technology based on energy transfer with diaphragms.

- **Optimal one-injection process** with enhanced needle and housing cones and subsequent mixing improvements in the chamber
- **Fewer repair costs** thanks to the modular injector structure and availability of individually customized repair and spare part kits
- **More options for use**, as after replacing the needle-housing assembly, the same injector can be used for other purposes, and for other components too
- **Improved service life** through using newly selected materials and material pairings that meet the extremely high demands of polyurethane processing
- **Reduced friction loss and damage**, by transferring gas/hydraulic energy with robust and wear-resistant diaphragms in multi-component mixheads

SOLUTIONS FOR SUSTAINABLE PRODUCTION AND LIFECYCLE MANAGEMENT

With its 360°ENVIRONMENTAL, Hennecke is making sustainable PU processing a priority in customer support too. This includes, for example, in-depth consulting services with regard to high production and resource efficiency as well as various activities in the area of EOL solutions when components – such as pumps or mixheads – have reached the end of their life cycle.

- Actively extend your product's lifecycle by making use of our spare parts offer or by replacing old parts. Take advantage of our 360°RETROFIT solutions to increase raw material efficiency
- New solutions for reducing energy consumption through Blue Intelligence, as well as alternative solutions for eco-friendly production
- Effective procedures and quick communication through remote commissioning, online training and an international service network

INCREASING PRODUCTION EFFICIENCY AND PRODUCT QUALITY THROUGH EXPERT KNOWLEDGE

Discover the advantages of Hennecke Service Consulting: We offer comprehensive services that help companies to sustainably improve their production efficiency and product quality by optimizing production processes, reducing costs and increasing production safety. Our consulting process starts with a comprehensive analysis of your existing processes. On this basis, our experts develop individual solutions that are tailored to your needs. This enables you to maximize the potential of your production. Whether you are setting up, expanding or improving your existing production: Hennecke Service Consulting has the right solution for you.

- Optimizing machine performance and advising on new core components
- Implementation of sustainable process improvements
- Identification and elimination of avoidable production costs and defects
- Tool optimization and chemical consulting
- Improve production safety
- Comprehensive analysis and reporting of the consulting process
- Detailed final report to ensure long-term process stability

OPTIMIZE PRODUCTION MINIMIZE RISKS

With our 360°PREVENTIVE, you can optimize your production with transparent fixed costs and at the same time minimize a great number of risks. The preventive measures include regular production inspections.

Our 360°PREVENTIVE will extend your plant's service life and effectively reduce your staff's workload.

- Well covered through comprehensive service contracts with predictable costs and guaranteed response times.
- Customized inspection plans and safety audits for your systems, with transparent documentation of all work performed in the final service report.
- Revision of all relevant parameters for wear and tear as well as implementation of targeted maintenance work
- Detailed readjustments and optimizations to enhance machine performance
- Individual production assistance to increase process efficiency and quality

ENSURE PRODUCTIVITY AND EFFICIENCY NOW WITH A SERVICE THAT THINKS AHEAD.

In industrial production, every minute counts, because unplanned downtime can be expensive. With the 360°PREVENTIVE service contract from Hennecke, you can rely on a comprehensive solution that minimizes downtime, maintains machine value and increases your planning reliability.

Through regular inspections and targeted maintenance measures, we ensure that your system remains reliably in its target condition. This allows us to detect potential faults at an early stage, avoid downtime and extend the service life of your machines in the long term. By taking out a 360°PREVENTIVE Service contract, you benefit from attractive conditions, predictable costs and prioritized support from our service team.

- **Preserve value instead of replacing it:** Regular maintenance protects your investment and extends the service life of your system.
- **Ensure productivity:** Benefit from the many years of experience and expertise of our service technicians.
- **Calculable costs:** Reduced daily rates and a predictable service budget allow you to maintain an overview.
- **Save on spare parts:** Take advantage of a 5% discount on replacement parts identified during an inspection.

With the integrated remote service, our specialists are at your side digitally to solve technical problems quickly and efficiently, without the need to travel and with minimized downtime.

The remote service can significantly reduce the number of chargeable on-site visits, which reduces your costs.

At the same time, early diagnosis reduces downtimes and ensures higher machine availability. As a contractual partner under the 360°PREVENTIVE service contract, you also benefit from preferential processing of your service requests and receive the fastest possible support.

AROUND THE WORLD

Our international contact addresses

We have a global network of regional agencies and contacts which allows us to provide services and support in other countries too.

Service technicians stationed throughout the world provide fast and professional on-site support.

Do you have further questions about our products and services? Use the contact form to quickly and easily get in touch with the right service specialist in our global organization.

https://service.hennecke-group.com/contact

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