

**SAVEOMAT**  
Gravimetric  
weighing



# SAVEOMAT

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Precise gravimetric weighing is the basis for the automation of extrusion lines and is thus a basic requirement for achieving the highest possible product quality. SAVEOMAT products continuously dose a wide variety of materials with the highest precision. A constant mass throughput not only enables significant material savings and thus contributes to cost reduction, but also increases the sustainability of our customers' extrusion products.

# INSPIRE

## beyond measurement



### WE GIVE EXTRUSION TECHNOLOGY A FRESH APPROACH

For more than 40 years, the name „iNOEX“ has been associated with pioneering technology and ground-breaking inventions for measurement and control technology. With innovative strength, a willingness to push boundaries and a wide range of products and services, we aim to inspire our customers.

Based on our values and principles, our cooperation is characterized by a clear mission statement and a focus on customer needs. We work on this every day with enthusiasm and passion.

As pioneers and experts, we offer our customers added value in the pipe, hose, film, cable, and profile extrusion industry. Our high-quality products, equipped with outstanding user-friendliness, offer intelligent and innovative solutions that stand as key factors for sustainable success.

### WE INSPIRE THROUGH INNOVATIONS

Over 40 years of SAVEOMAT systems reflect the efficiency and reliability of gravimetric weighing. In close cooperation with our customers, the SAVEOMAT product range has been continuously developed over the years and supplemented by new funnel weighers and dosing units.

Innovative strength is also the keyword here, because the successful, long-term partnerships with our customers and the daily challenge of offering the right solution for your requirements have always motivated us and driven our developments.

Today, it is impossible to imagine the extrusion process without the high-precision gravimetric systems, which provide the basis for automation of extrusion lines through gravimetric extruder and/or haul-off control.

### WE ARE COMMITTED TO SUCCESS

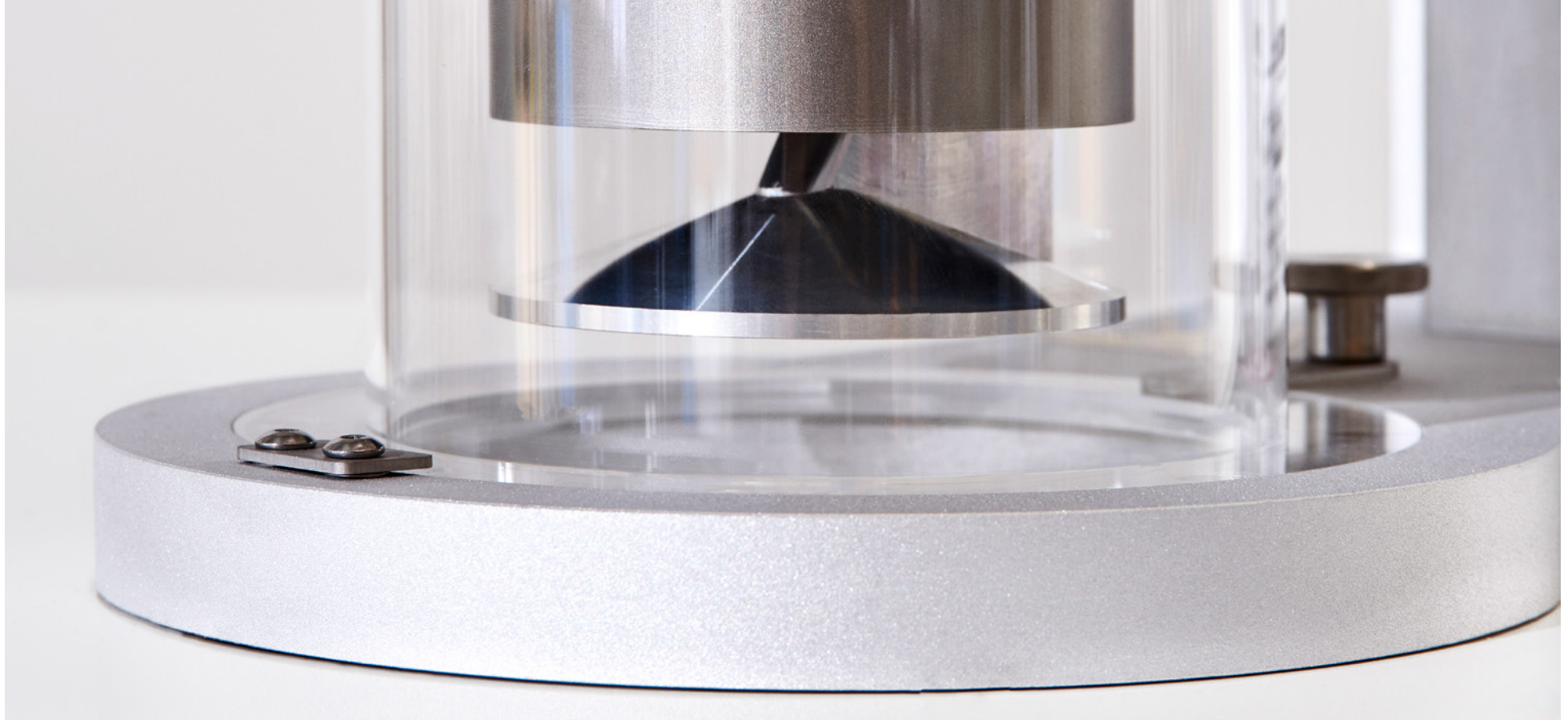
When you choose iNOEX, you get not only outstanding products but also individual service solutions. We offer service at the highest level and competent support throughout the entire product life cycle. We are always there for you - worldwide and at any time.

With our manufacturing know-how and experience, we identify potential, determine the most suitable technology, and optimize your processes. With comprehensive services to improve your efficiency and production performance, your success is our target.

Customer satisfaction is our top priority. We always think and act with our customers in mind. Our expert service supports you quickly, reliably, and competently. We are there for you personally - via service hotline or directly on site.

#iINSPIRATION #iINNOVATION #iINTEGRITY





## SAVEOMAT Gravimetric weighing

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Gravimetric weighing is the basis of extrusion line automation. The funnel weighers, which are suitable for a wide range of materials, enable the weight per length and mass throughput to be regulated by recording the measured data and by means of the integrated control system. The result is a constant production with reduced material consumption.

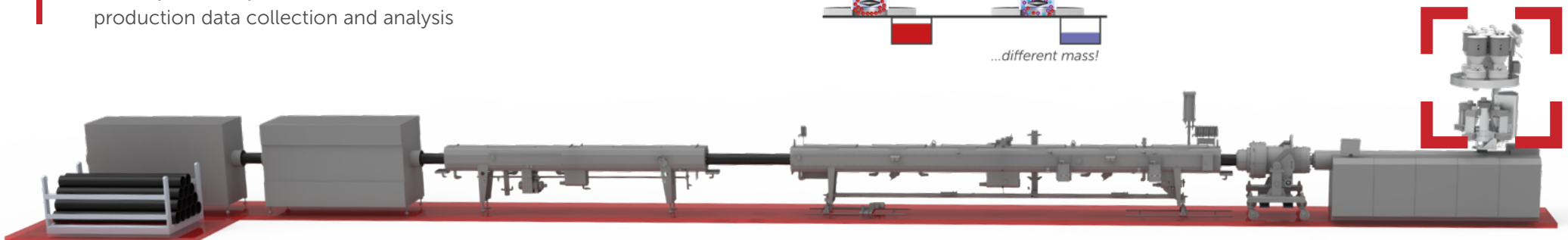
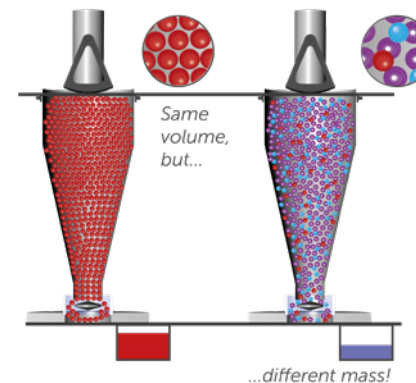
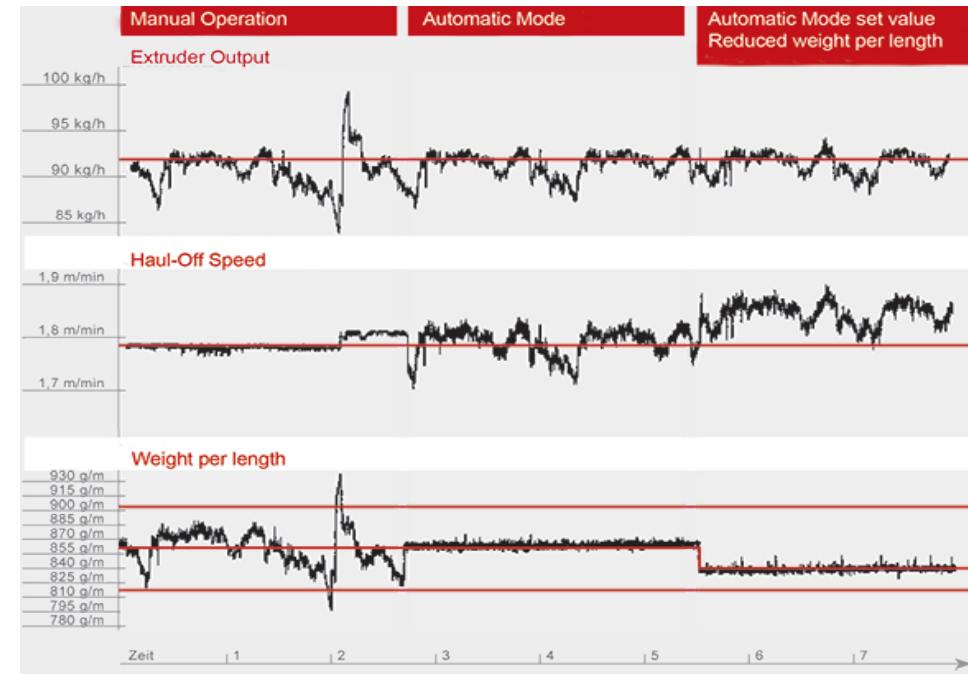
In this quantitative analysis process, the material to be dosed is measured by one or more integrated load cells. This automatically compensates for possible fluctuations in bulk density. This means that the end products are not only perfectly blended and of consistently high quality, but also that constant production with exact mass processing is possible. At the same time, material consumption quantities are recorded and reduced to a minimum.

In addition to the high level of precision, the funnel weighers offer maximum flexibility through easy cleaning and fast product change-over. They are controlled by means of an intuitive user interface.



## ADVANTAGES AND FEATURES

- Constant mass throughput with raw material savings of up to 5%
- Consistent weight per length reduced to an absolute minimum
- Reduction of start-up scrap
- Optimum flow behaviour of the materials
- Dead-zone-free filling, weighing, and dosing
- Suitable for complex recipes and special applications (with up to 7 components)
- Industry 4.0 ready for extensive production data collection and analysis

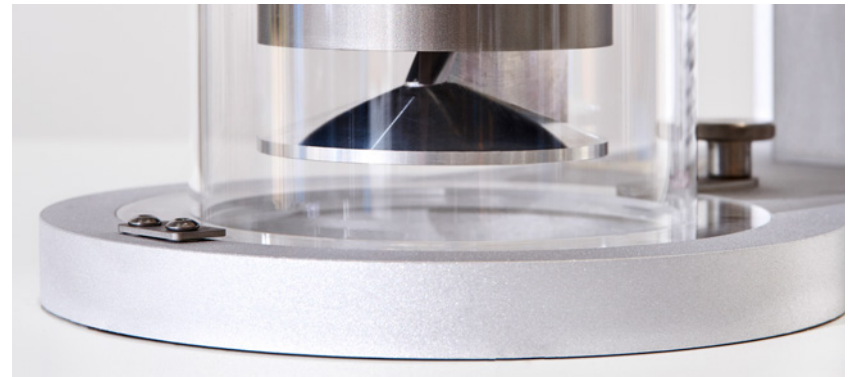




# SAVEOMAT G

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SAVEOMAT G is the basic version of the SAVEOMAT series. The Mono weighing hoppers is suitable for granules and are available in different heights. Depending on the control loop, they use the measured values to control the screw speed of the extruder or the haul-off speed. This increases production output, reduces raw material consumption, and ensures substantial savings. Control takes place via an intuitive user interface and offers numerous software functions.



## ADVANTAGES AND FEATURES

- Optimal hopper geometry for perfect flow behaviour of the raw materials
- Overload protection of the load cells
- Dead zone free filling and weighing



# SAVEOMAT P

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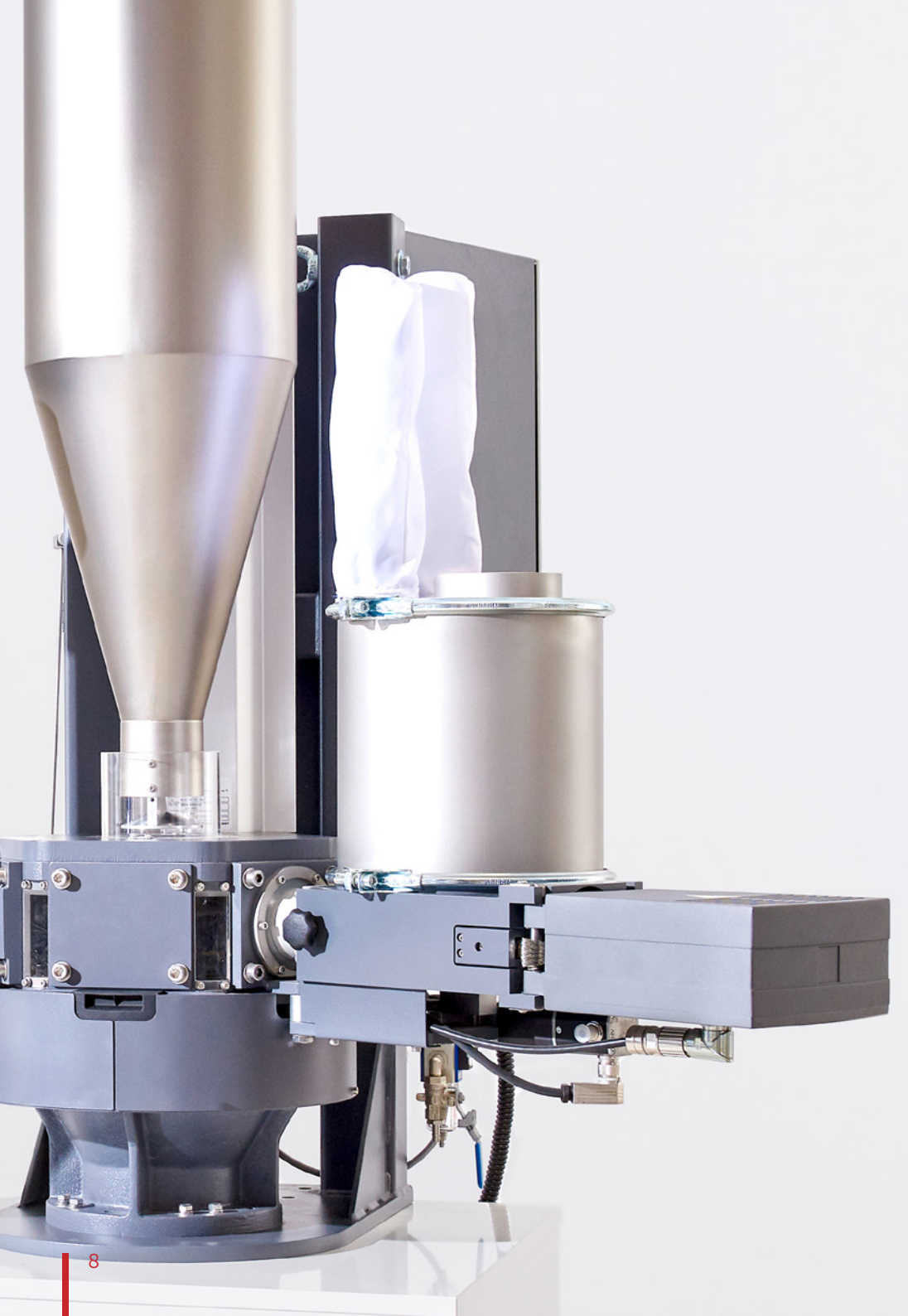
SAVEOMAT P is a funnel weigher specialized for the blockage-free feeding of powder with a maximum chalk content of up to 20%. Thanks to the optimal hopper geometry, an enlarged inlet, turbine vibrators at the hopper inlet and the storage hopper outlet, material deposits and bridging are avoided. This ensures a stable production flow and a constant material flow with a consistent minimum weight per length.



## ADVANTAGES AND FEATURES

- Special hopper geometry for optimum flow behavior of powder with up to 20% chalk content
- Blockage-free feeding of easily sticking material
- Dust and moisture proof
- Compensation of bulk density fluctuations
- Enlarged weigher inlet and outlet





# SAVEOMAT HF

SAVEOMAT HF is the dosing unit for materials with a chalk content of up to 100%. A consistent material flow is ensured at all times. Depending on the material and application, the SAVEOMAT HF has either a twin-screw or a spiral dosing unit, with which the products are dosed smoothly and cleanly. Both variants can be combined with other gravimetric powder and granule weighers.

Due to the high feed rate fluctuations of powder materials, the measuring and control frequency for SAVEOMAT HF weighers is significantly increased. All PVC mixtures with a chalk content of up to 100 % can be precisely dosed.

## SAVEOMAT HF TWIN SCREW

- Co-rotating and self-cleaning twin screw conveyor
- Very regular feeding of the material
- Agitator in the hopper directly above the twin screw
- Separate motor for the agitator
- Special screw for feeding chalk



## SAVEOMAT HF SPIRAL

- Agitator in hopper directly above the spiral
- Separate motor for the agitator
- Special spirals for PVC dosing
- Easy change of the spiral





# SAVEOMAT COEX

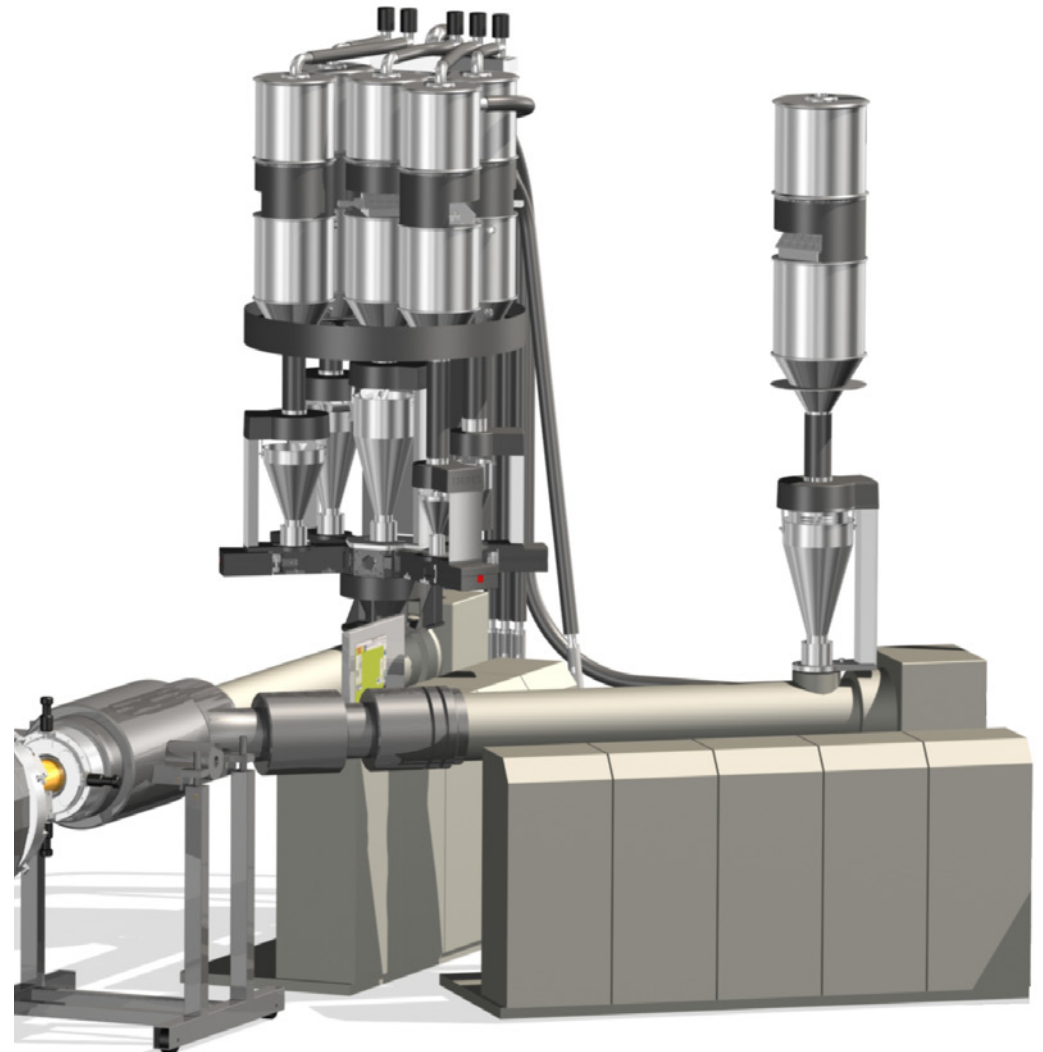
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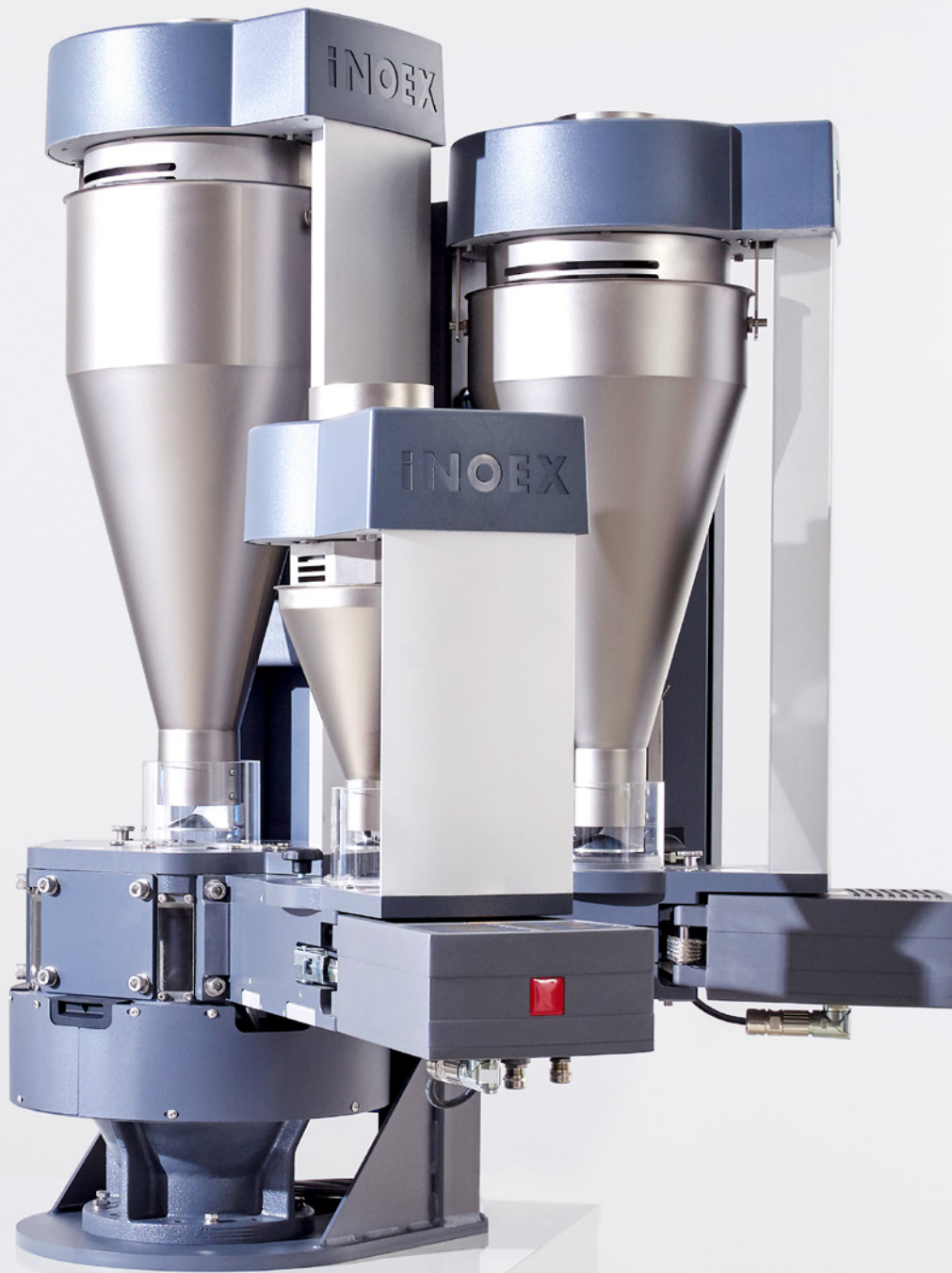
SAVEOMAT COEX is a special application option for coextruded products. As precise feeding and exact mixing of the various material components is crucial in the production of pipes and fittings using the coextrusion process. Whether in the production of conventional PE-multi-layer pipes for reliable gas and water supply and wastewater disposal or in the marking of the pipes by coloured longitudinal stripes.

Even when several extruders are used, the SAVEOMAT COEX application ensures a stable production process and a constant flow of material. Based on the recorded measurement data, the corresponding process parameters are regulated. The production of complex recipes enables a wide range of applications.

## ADVANTAGES AND FEATURES

- Special application for coextruded products
- Suitable for complex formulations and special applications (e.g. coloured longitudinal stripes)
- Hopper scale sizes freely selectable





# SAVEOMAT DOS

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The flexibly combinable dosing station allows the exact blending of up to seven material components. Two configuration levels are available: the DOS 2 (one main and one side component) and the DOS 7 (one main and up to six side components). Dosing is carried out according to customer-specific requirements. The processing of granules and powder is also possible. The dosing station can be flexibly equipped with different funnel weighers and thus fulfills the most demanding processes of gravimetric weighing.

Common applications include film extrusion or PVC pipe production with complex formulations. The control system regulates the corresponding product parameters on the basis of the measured data acquired, so that an exact mass throughput is achieved with minimum raw material consumption.

## ADVANTAGES AND FEATURES

- Suitable for complex recipes and special applications
- Individually and flexibly configurable (DOS 7 also as 6-component dosing without main component available)
- Hopper scale sizes of main and side components freely selectable
- Variants for granules and powder
- Easy accessibility and cleaning of components

# SAVEOMAT Liquid

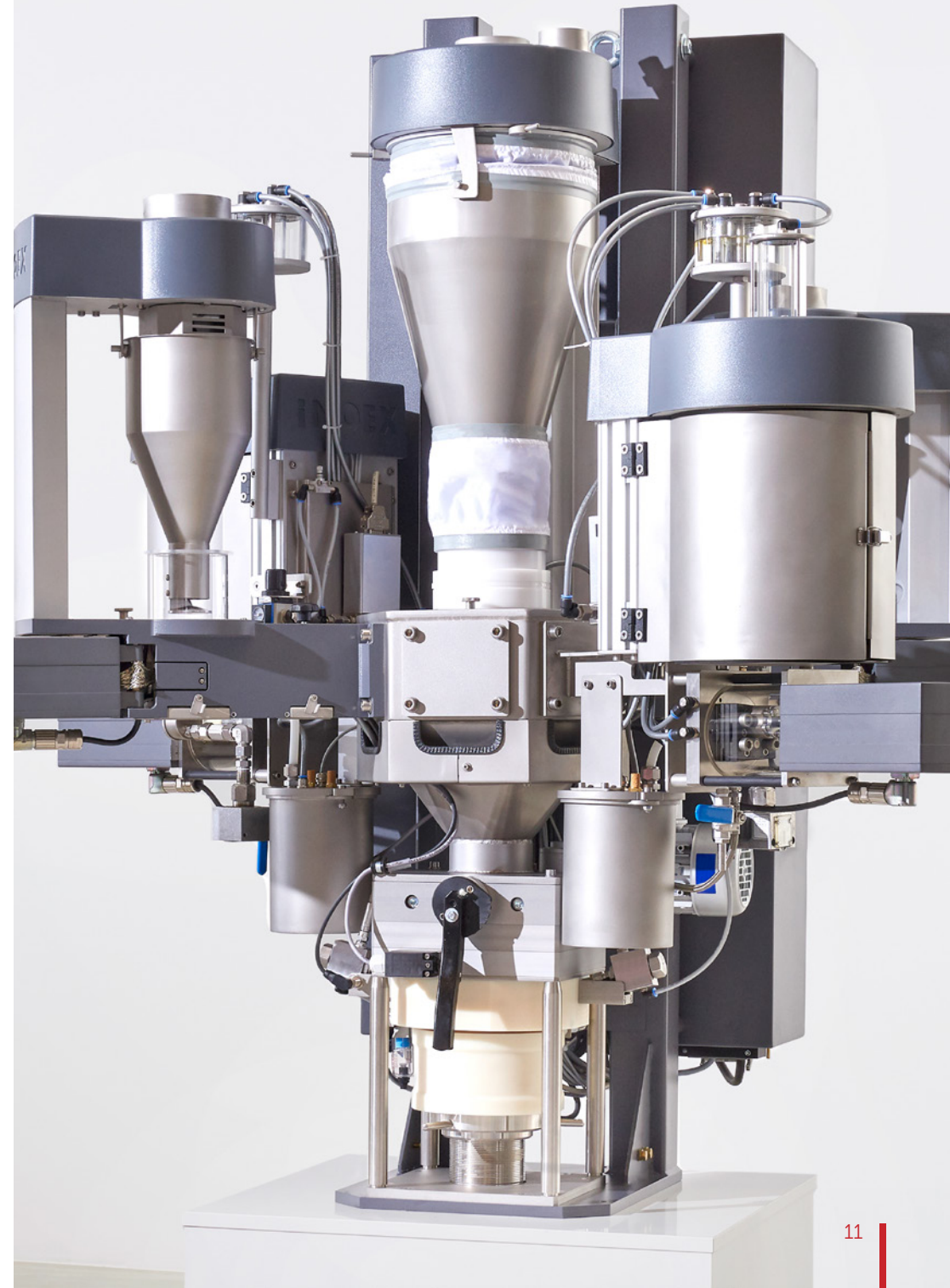
SAVEOMAT Liquid is the multi-component dosing station for the recipe-precise dosing of solid and liquid components. The use of silane and peroxide is especially applied in PEXa and PEXb pipe extrusion and cable production. Precise mixing of the raw material is achieved by combining a static and a dynamic mixer. An injection tube is integrated in the dynamic mixer, whereby the peroxide or silane is introduced and ensures uniform wetting. Thanks to its safety features, SAVEOMAT Liquid meets the highest safety requirements while allowing a wide range of recipes.

## ACCESSORIES SAVEOMAT Liquid

- Liquid storage container (storage: 2 x 200 l barrels)
- Conveying station (according to ATEX safety guidelines)
- Conveying room (to accommodate the conveying station)
- Storage room (on request)

## ADVANTAGES AND FEATURES

- Continuous, recipe-accurate dosing and conveying
- Constant wetting of the raw material
- Meets the highest safety standards
- Dosing and mixing of materials under inert gas atmosphere
- Reduction of the peroxide percentage by approx. 10 % through uniform and continuous metering





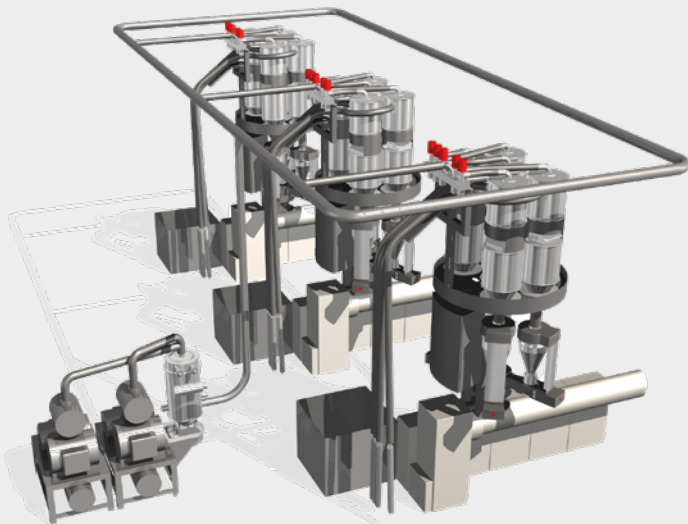


# SAVEOMAT Satellite

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SAVEOMAT Satellite is the innovative vacuum conveying system in which the suction capacity can be split as required. The valve technology on the vacuum manifold allows the power to be split between different material separators. A control of the applied vacuum ensures a constant vacuum during material conveying and guarantees a delay-free material supply. Complete extrusion lines or entire production halls can thus be supplied via a single or several vacuum generators connected in parallel.

The suction power is applied as needed for each individual component, ensuring careful feeding, even of critical materials. The coarse filter of each material separator, which separates the suctioned material into granules and dust during conveying, is self-cleaning when the air is depressurized.



## ADVANTAGES AND FEATURES

- Splitting of the suction power according to requirements
- Simultaneous conveying of several material separators
- Vacuum is available immediately
- Careful material conveying
- Material bottlenecks are prevented and blower running time is shortened
- Reduction of energy costs
- Suitable for PE, PP and PVC granules

# Industrial Data Manager

powered by  iDOO

Our Industrial Data Manager facilitate comprehensive analyses and evaluations to identify optimization potentials and evaluate product-specific indicators. Installed as a virtual machine in your network, no additional hardware is required. The standardized process data interface OPC-UA transfers data from state-of-the-art measuring, controlling and automation solutions. Benefit from preconfigured and customizable dashboards and reports for each connected system and create diagrams, visualizations and data evaluations with Grafana. Export your data as .csv or .xls and keep track of live data on the database server. Use the Industrial Data Manager as a production floor monitor that provides cross-location statistics such as overall equipment effectiveness and process line capability.

*Drive digitalization and unlock the value of your data with iDOO.  
Experience the future of the industry.*

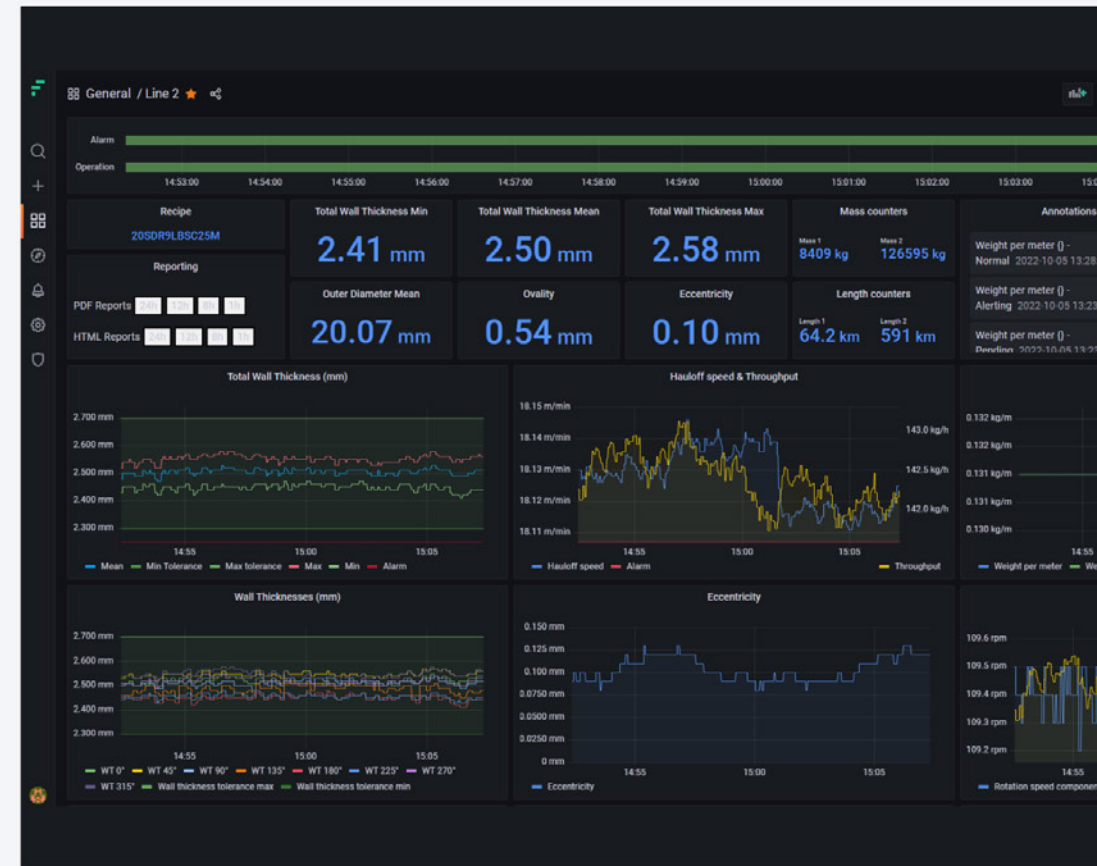
## ADVANTAGES AND FEATURES

- Access to all production data
- Easy access via web browser
- Optimized for all mobile devices
- Support of quality assurance
- iDM gateway for integration with almost all types of interfaces
- Runs on almost any existing server hardware
- Data backup in case of network or server failures (up to 1 week)
- Intuitive user interface

More information



[www.idoo.global](http://www.idoo.global)



# SAVEOMAT

## Products at a glance

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### SAVEOMAT G

Type	Mass throughput [kg/h]	Height [mm]	Storage hopper Contents [l]/Height [mm]
<b>G 20</b>	0,2 – 20	465	15 / 375
<b>G 60</b>	0,8 – 60	560	15 / 375
<b>G 200</b>	2 – 200	625	15 / 375
<b>G 350</b>	10 – 350	750	40 / 635
<b>G 500</b>	10 – 500	835	40 / 635
<b>G 750</b>	20 – 750	970	60 / 845
<b>G 1000</b>	50 – 1000	1105	60 / 845
<b>G 1400</b>	50 – 1400	1320	95 / 1215
<b>G 1600</b>	100 – 1600	1195	on request
<b>G 1800</b>	100 – 1800	1255	on request
<b>G 2000</b>	100 – 2000	1315	on request

### SAVEOMAT P

Type	Mass throughput [kg/h]	Height [mm]	Storage hopper Contents [l]/Height [mm]
<b>P 20 (SC)</b>	0,2 – 20	475	15 / 375
<b>P 60 (SC)</b>	0,8 – 60	575	15 / 375
<b>P 200 (SC)</b>	2 – 200	640	15 / 375
<b>P 350 (SC)</b>	10 – 350	765	40 / 635
<b>P 500 (SC)</b>	10 – 500	850	40 / 635
<b>P 750</b>	20 – 750	875	60 / 845
<b>P 1000</b>	50 – 1000	955	60 / 845
<b>P 1400</b>	50 – 1400	1.065	95 / 1215
<b>P 1600</b>	100 – 1600	1.125	on request



## SAVEOMAT DOS

Main component	Throughput [kg/h]	Side component	Throughput [kg/h]
HK 200	2 – 200	NK 20	0,2 – 20
HK 350	10 – 350	NK 60	0,8 – 60
HK 500	10 – 500	NK 200	2 – 200
HK 750	20 – 750	NK 350	10 – 350
HK 1000	50 – 1000	NK 500	10 – 500
HK 1400	50 – 1400	NK 750	20 – 750
HK 1600	100 – 1600	—	
HK 1800	100 – 1800		
HK 2000	100 – 2000		
HK 2500	100 – 2500		

## SAVEOMAT HF

Type	Content [l]	Mass throughput [kg/h]
SAVEOMAT HF DS 150	20	3 – 150
SAVEOMAT HF DS 350	20	6 – 350
SAVEOMAT HF SP 700	20	15 – 700

## SAVEOMAT Liquid

Liquid side component [l/h]	Main component [kg/h]	Side component [kg/h]
0,10 – 0,86	2 – 200	0,2 – 20
0,18 – 1,62	10 – 350	0,8 – 60
0,36 – 3,24	10 – 500	2 – 200
0,72 – 6,48	20 – 750	10 – 350
1,44 – 13,0	50 – 1000	
1,80 – 16,2	—	

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