



Our technology makes an impact.

DOSING TECHNOLOGY



## KOMBI-MIX

Type 80  
Type 120



## Areas of application

Optimum solutions for all requirements.

From experience, we know that each system has its own particular requirements regarding capacity, location and conveying technology. Here at PUMPE we offer precisely the right solution for each of

these requirements – With our tailor-made, tried and tested KOMBI-Mix dosing solutions. Below we would like to present a selection of examples for various system types.



### KOMBI-Mix 80

- 8m³ storage volume
- Vertical mixing screw
- Mixing screw drive 15 kW
- 3-part screw conveyor system type 360, comprising base, inclined and fermenter screws
- Completely made from stainless steel
- Weighing system

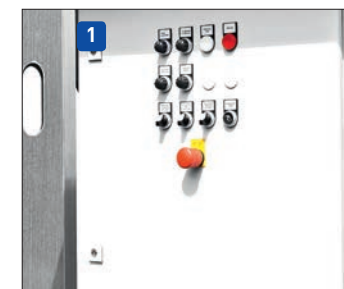
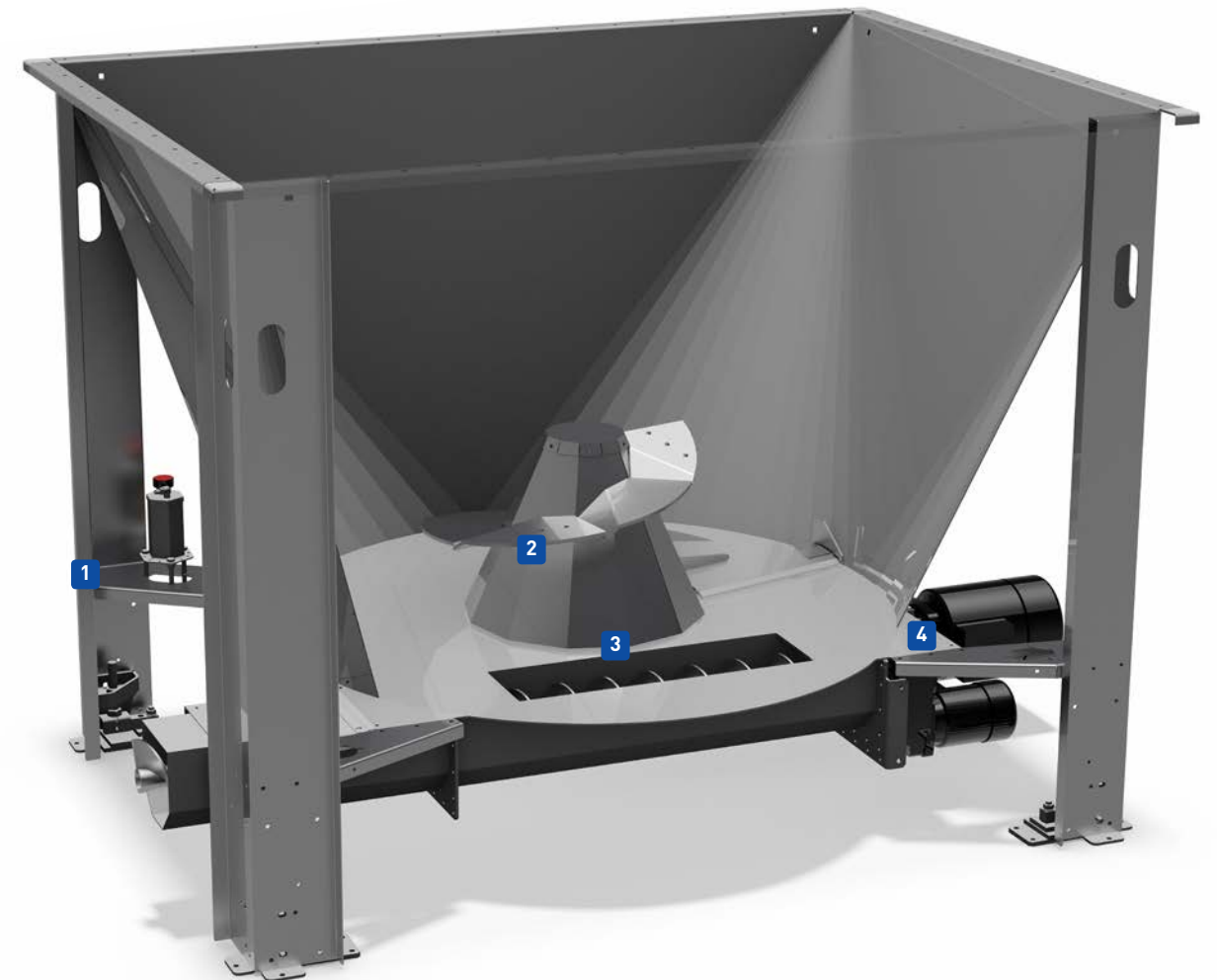


### KOMBI-Mix 120

- 12m³ storage volume
- Vertical mixing screw
- Mixing screw drive 15 kW
- 3-part screw conveyor system type 360, comprising base, inclined and fermenter screws
- Completely made from stainless steel
- Access ladder
- Weighing system

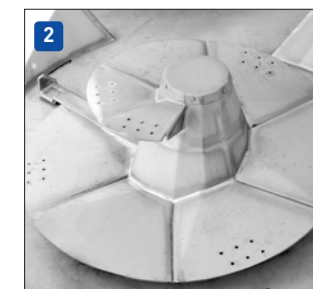
## KOMBI-Mix dosers by PUMPE

Innovative. Long-lasting. Economical.



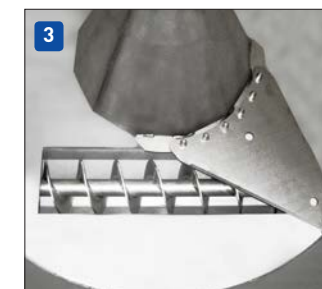
#### Control system

In order for you to control your dosing system, we offer you tailor-made switching systems. This means that, in conjunction with an appropriate weighing computer, the dosing systems can even be operated independently.



#### Vertical mixing screw/Dosing blade

With a speed of 8 to 12 rpm, the mixing screws fitted with blades ensure preparation of the substrate to meet your needs, before then passing it to the subsequent conveying technology. Their speed can be varied using a frequency converter. For free-flowing bulk material, a low-wear, energy-saving dosing blade can be used.



#### Electrical drives

Sturdy electric motors transfer the output to the planet angle gear via a universal shaft. The drives are available in power classes 11 and 15 kW.



# Configuration options and accessories

Tailor-made KOMBI-Mix dosers for your business.



**Weighing system**  
We use shear force sensors or pressure sensors for precise control of the filling amounts. Highly diverse range of display devices, optionally coupled with a large, easy-to-read alphanumeric display with double-row LEDs, ensure a high degree of user-friendliness, making it easy to programme the optimum dosing amount. For processing your data, we can supply both analogue signal outputs as well as Profibus interfaces.



**Access ladder**  
To provide you with a good but above all safe view of into your KOMBI-MIX, we offer a hot-dip galvanised, non-slip access ladder.



**Cover**  
To reduce emissions and the effects of weather, the KOMBI-MIX can be fitted with a hydraulically operated cover. The cover boasts a sturdy stainless steel construction using a segmental construction method. The cover can optionally be controlled by wireless remote control.

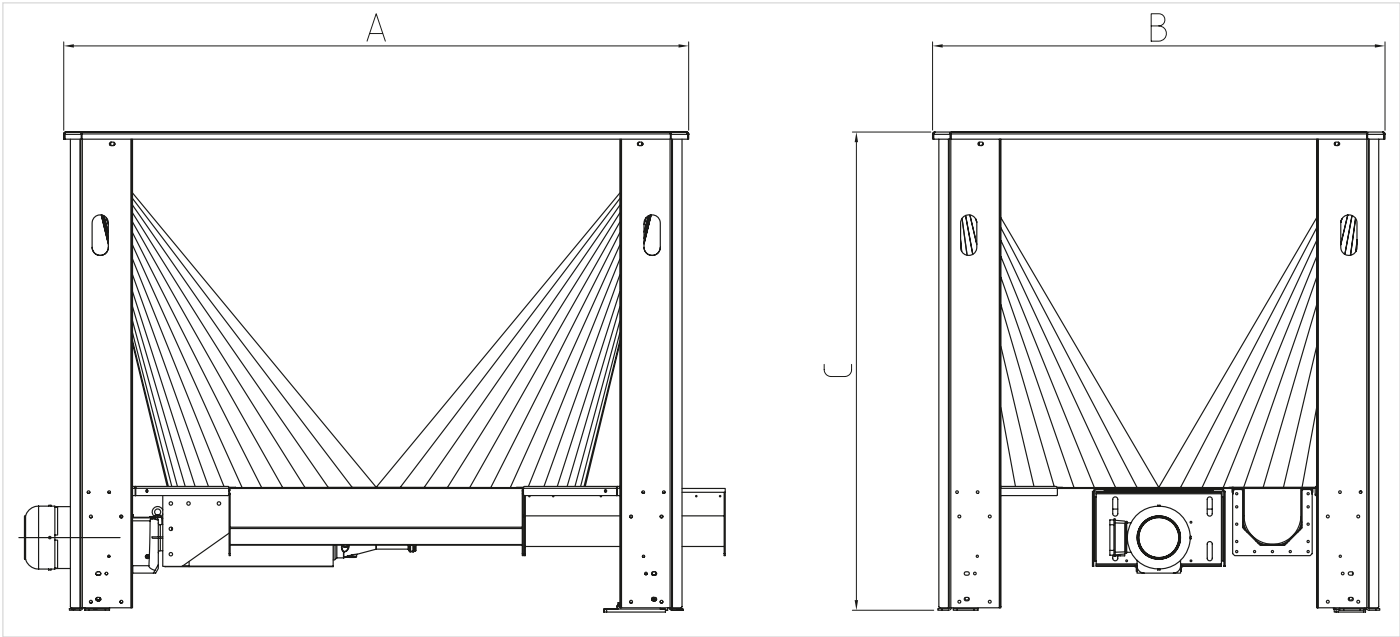


**Liquid input**  
Not only is the KOMBI-Mix unbeatable in conjunction with a three-part screw conveyor system. Also in conjunction with a proven liquid input system, this machine for manure and grass silage forms the basis for an economical feeding of your biogas plant.



**Flexible connecting piece**  
A flexible connecting piece disconnects the KOMBI-Mix from the liquid input system. This enables precise weighing.

# Specifications



KOMBI-Mix	8m³ / Blade	12m³ / Blade	8m³ / Mixer	12m³ / Mixer
Capacity (m³)	8	12	8	12
Max. load (t)	4	6	4	6
A – Loading width (m)	2,90	2,90	2,90	2,90
B – Tank depth (m)	2,05	2,05	2,05	2,05
C – Overall height = Loading height (m)	2,35	3,05	2,35	3,05
Drive (kW)	7,5	11	15	15
Dosing blade stainless steel	x	x	-	-
Mixing screw stainless steel	-	-	x	x
3 cutting blades stainless steel	-	-	o	o
Mixer upgrades	o	o	-	-
Inspection and access hatch	o	o	o	o
Ladder	o	o	o	o
Bulk material wall on 3 sides	o	o	o	o
Weighing system with control technology	o	o	o	o
Screw technology conveying capacity (m³/h)	8	8	8	8
Base screw type 360K overall length (m)	2,40	2,40	2,40	2,40
Base screw drive (kW)	1,1	1,1	1,1	1,1
Inclined screw type 360K up to overall length (m)	8,00	8,00	8,00	8,00
Inclined screw drive power (kW)	3,6	3,6	3,6	3,6
Fermenter screw overall length (m)	3,00	3,00	3,00	3,00
Fermenter screw drive (kW)	2,5	2,5	2,5	2,5
Inclined and fermenter screws ATEX-compliant	x	x	x	x
Electrical system supplied ready for operation	x	x	x	x

x = standard equipment, o = optional, - = not available

# Konrad Pumpe GmbH

Innovative technology plus experience.



## AGRICULTURAL TECHNOLOGY

For more than 180 years, we have been closely following the developments and increasing demands of the agricultural industry. Our barn equipment and feeding systems are characterized by sophisticated functionality, individual concepts and the highest standards of quality and durability. Partnership is our foundation; reliability and professionalism are our recipe for success.



## DOSING TECHNOLOGY

The transition to renewable sources of energy is opening up new perspectives for agricultural practices. We here at PUMPE are reliable partners to the energy farmers of tomorrow and offer innovative products and proven technology for biogas operators. From the design process, to manufacturing in our own production facilities, to installation and maintenance, we guarantee perfect service from a single source.



## METAL TECHNOLOGY

Our origin is our expertise. Since 1830, we have been forging solid realities out of metal. With the latest technology and our years of experience, we are coming up with customized metal solutions for various applications in agriculture and industry. Custom-made solutions and in-house developments using steel and stainless steel is our passion.

## Our service for your success

- Full service – from design and manufacturing to installation and service
- 365 days a year customer service for our clients
- Our own high bay warehouse and in-house production guarantee availability of all spare parts
- Quick reaction times and personal contacts
- Customized production and adaptations for individual specifications
- Close cooperation with our clients and consulting by our specialists
- Short distances and clear structures for perfect customer service
- Worldwide installation and maintenance of your equipment
- Quality and material "Made in Germany"
- A qualified staff that receives ongoing training guarantees the highest level of service
- More than 180 years of experience in the metal processing
- Owner-managed family company



### Konrad Pumpe GmbH

- project engineering
- special machinery
- CNC sheet metal
- accessory and containers
- machinery and equipment
- steel construction
- barn equipment
- feeding systems for pigs
- dosing technology for biogas plants



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