



kobra



Kobra:

Innovative Solutions for Water Treatment

Kobra is a leader in the development of technology and innovation for water treatment. With over 28 years of experience, we offer a high-quality product line for various sectors. Our commitment to sustainability and excellence has made us a trusted name in the industry.

Dosatak GrowPro

Precision Nutrient Dosing System — Powered by Water



The **Dosatak**[®] **Kobra** is the first volumetric and proportional liquid dosing equipment powered solely by water pressure and produced in Brazil. Manufactured with high-resistance materials, the **Dosatak**[®] **Kobra** features a highly durable diaphragm system, even when operating with hard water. This system performs the suction of the liquid to be dosed, its dilution in water, and its injection into the hydraulic network precisely and automatically, without the need for electricity.



DOSATAK

GrowPro[™]
by kobra

ABOUT THE SYSTEM

The most reliable dosing solution for the cannabis market

The **Dosatak GrowPro™** brings all the proven Dosatak technology into the cannabis cultivation universe, ensuring precise nutrition, stable EC and pH, and cleaner systems — all without using electricity.

Ideal for:

- Hydroponics
- Indoor cultivation
- Greenhouses
- Drip irrigation
- Large-scale production

Compatible with:

- Liquid fertilizers
- Concentrated nutrients
- Organic and mineral acids
- pH up / pH down solutions
- Sanitizers for CIP processes

Direct benefits for cannabis:

- Perfectly homogeneous mixing
- Drastic reduction of clogs
- Uniform nutrition across all plants
- Chemical stability throughout the cycle
- Low microbiological risk



ADVANTAGES



AUTOMATIC AND PRECISE DOSING

Automatic and precise dosing, controlling the concentration of substances even with flow and pressure variations in the network, without the need for electricity.



STRENGTH AND DURABILITY

Manufactured with high-performance materials and a diaphragm dosing system, the most durable.

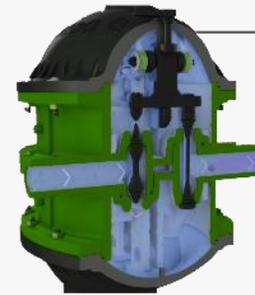
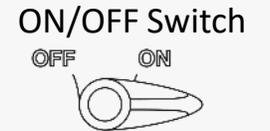


GUARANTEED TECHNICAL SUPPORT

A dedicated technical team ensures efficient service and easy access to replacement parts.

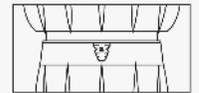


Diaphragm System
Robust even in the presence
of hard water.



Internal and Isolated Injection
The chemical product does not
come into contact with the
internal mechanisms, extending
the service life of the Dosatak®.

Adjustable Dosing



Dosing Adjustment Lock



+ ADVANTAGES

Dosatak Kobra

PRECISION AND CONSISTENCY IN DOSING

- Precise and consistent dosing
- Effective treatments

EFFICIENCY AND RESOURCE SAVINGS

- Does not require electricity
- Easy installation and maintenance

SAFETY AND SANITARY COMPLIANCE

- Controlled dosing minimizes the risk of contamination and incorrect mixtures

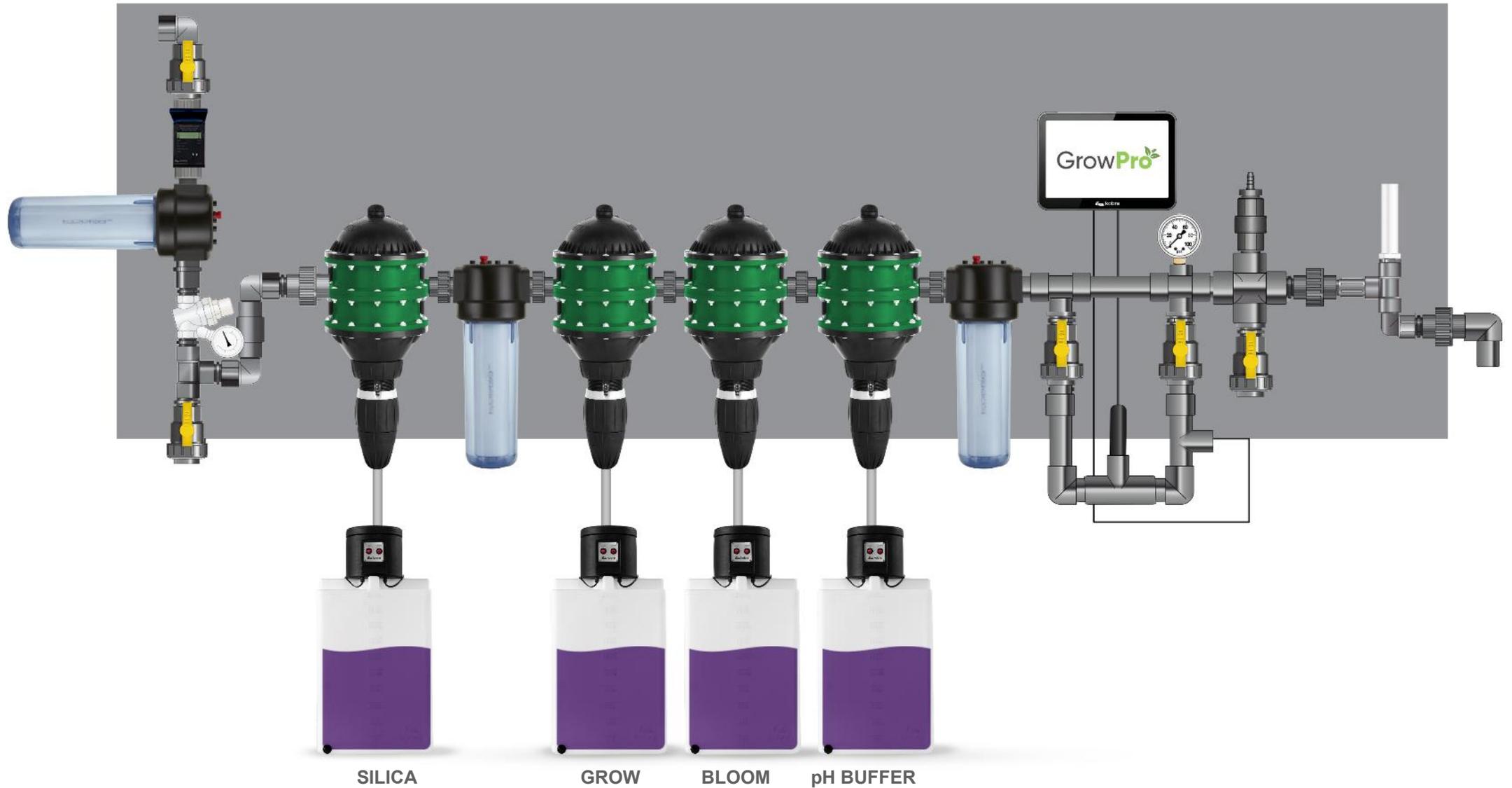
DURABILITY AND STRENGTH

- Made with robust materials to withstand harsh conditions, even in the presence of hard water
- Durable diaphragm system that requires less maintenance and fewer replacements

AUTOMATION AND REDUCED LABOR DEPENDENCE

- Automated dosing eliminates the need for manual intervention, ensuring consistency
- Allows staff to focus on more productive tasks

Nutrient Delivery System



DOSATAK

GrowPro
by kobra

- **Pre-filtration**
- **Cluster with multiple dosers**
- **Independent valves**
- **Integrated pressure gauge**
- **Return / safety line**
- **Modular support for expansion**
- **Compatible with external EC/pH sensors**



TECHNICAL SHEET

Adjustable dosing range

- | | |
|----------|-----------------------------|
| 1 | 1:1000 - 1:200
0,1- 0,5% |
| 2 | 1:250 - 1:50
0,4 - 2% |
| 3 | 1:100 - 1:20
1-5 % |

Waterflow range*

0,02 – 14 US GPM
(4,5 L/h – 3,18 m³/h)
(0,075 L/min – 52,99 L/min)

Operating pressure

0,21 - 5,5 bar
(3 - 80 PSI)

Operating temperature range

5°- 40°C
(41°F - 104° F)

Inlet / outlet

External thread 3/4"
BSP - NPT

RESULTS FOR THE GROWER

- Higher and more consistent yields
- Less variation between batches
- Healthier plants
- Reduced biofilm and algae
- Less maintenance on irrigation lines
- More predictable fertigation
- Nutrient savings
- Highly standardized production





Kobra's® 50L and 200L KOBRA MIX® mixing tanks were developed to aid in the dissolution of products in water. They guarantee the quality of the solution by homogenizing the mixture quickly and efficiently. With manual and electric models, they have a rod and propeller in high chemical resistance material and a level sensor with an audible alarm that warns when the product is running out.



Kobramix *Electric 50L and 200L*

Recommended with
Dosatak Animal Health:

Ideal for dissolving medicines and
powdered products in water, ensuring
fast and efficient homogenization.



Level Sensor

Hole for placing the
Dosatak[®] hose



Control Panel
• Power button
• Audible alarm

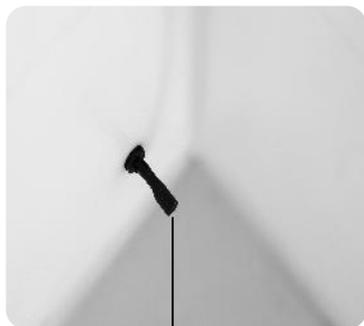
Graduation



Kobramix Manual 50L and 200L

Recommended with
Dosatak Sanitation:

Perfect for dissolving disinfectants and
other products in water, ensuring a
homogeneous mixture quickly and
efficiently.



Level Sensor



Control Panel:
• Power button
• Audible alarm

Graduation



KOBRA WATER QUALITY METER

The KOBRA® Water Quality Meter measures pH, ORP and water temperature quickly and accurately, ensuring reliable results in real time.



Cód.:
KMA01



ULTRASONIC HYDROMETER KOBRA

The KOBRA® Ultrasonic Hydrometer offers an advanced solution for measuring water flow accurately and efficiently, ensuring accurate readings even at low flow rates. Using ultrasonic technology, it provides fast and reliable results, without the need for moving parts or frequent maintenance. With a robust design and cutting-edge technology, it is ideal for those seeking high durability and precision in their operations. In addition, the equipment communicates by pulse with the warehouse controllers, providing even more automation and control in the supply system.

PERIPHERAL PUMP

The peripheral pump is designed to increase and maintain water pressure in hydraulic systems, ensuring a continuous, stable, and reliable flow at all points of use. The pump features a stainless steel impeller and volute, providing high corrosion resistance, improved durability, and reliable performance even in demanding operating conditions. Suitable for applications that require uniform pressurization, the pump operates automatically according to system demand, preventing pressure drops and ensuring the proper performance of connected equipment, pipelines, and devices. Manufactured with robust materials and high-quality components, it delivers low noise operation, efficient performance, and simplified maintenance, making it suitable for continuous use in residential, commercial, agricultural, and industrial applications. Its compact design allows for easy installation in different hydraulic layouts, contributing to system standardization, improved operational efficiency, and a safe and consistent water supply.

TECHNICAL INFORMATION

GENERAL DATA	VALUES	FEATURES	
Motor Connection Type	Inlet: 1" female thread (BSP-NPT) Outlet: 1" female thread (BSP-NPT)	Voltage / Frequency	220V / 60Hz
Operating Flow Rate	1.3 – 9.2 GPM	Power	0,5 HP
Maximum Working Pressure	3,5 BAR / 35 MCA / 50 PSI	Maximum Suction Head	8m
Operating Temperature	5° - 40 °C 41° F - 104° F		



Cód.:
BP05CV



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