

> PIVOT / LINEAR SYSTEM

> RAINSTAR



SYSTEM 9000

THE MOST EFFICIENT SYSTEM UNDER THE SUN



**You harvest, we irrigate.
On that you can rely!**

SATISFIED CUSTOMERS MAKE US HAPPY.

Our job is to plan, produce and implement turnkey irrigation systems which have already brought our customers many years of success. Plug & Play – our tailor-made BAUER plants require very little work input from our customers, who are based across the world. Unless, of course, they want to be involved in the control process. They can do this from home, from their car or via an iPad, PC or smartphone.



The challenges are growing all the time – and the demands placed on the materials, technology and electronics involved are forever on the increase. Irrigation systems are now being used in areas where it was once thought impossible. At BAUER, we operate exclusively according to European standards and this has proven to be a valuable decision. We only use the very best materials from the processing to the electronics and the control system, thereby ensuring a unique standard of precision and perfection. Simple, user-friendly and fail-safe – this is our motto and for the last 80 years, we have been investing in the very best experience

and quality Europe has to offer. With the new system 9000, we have equipped the pivot/linear systems with innovative new features for the future. Even greater pivot and drive tower stability, mobile control, improved energy use and lower water consumption guarantee a longer product lifespan and improved operating efficiency overall.

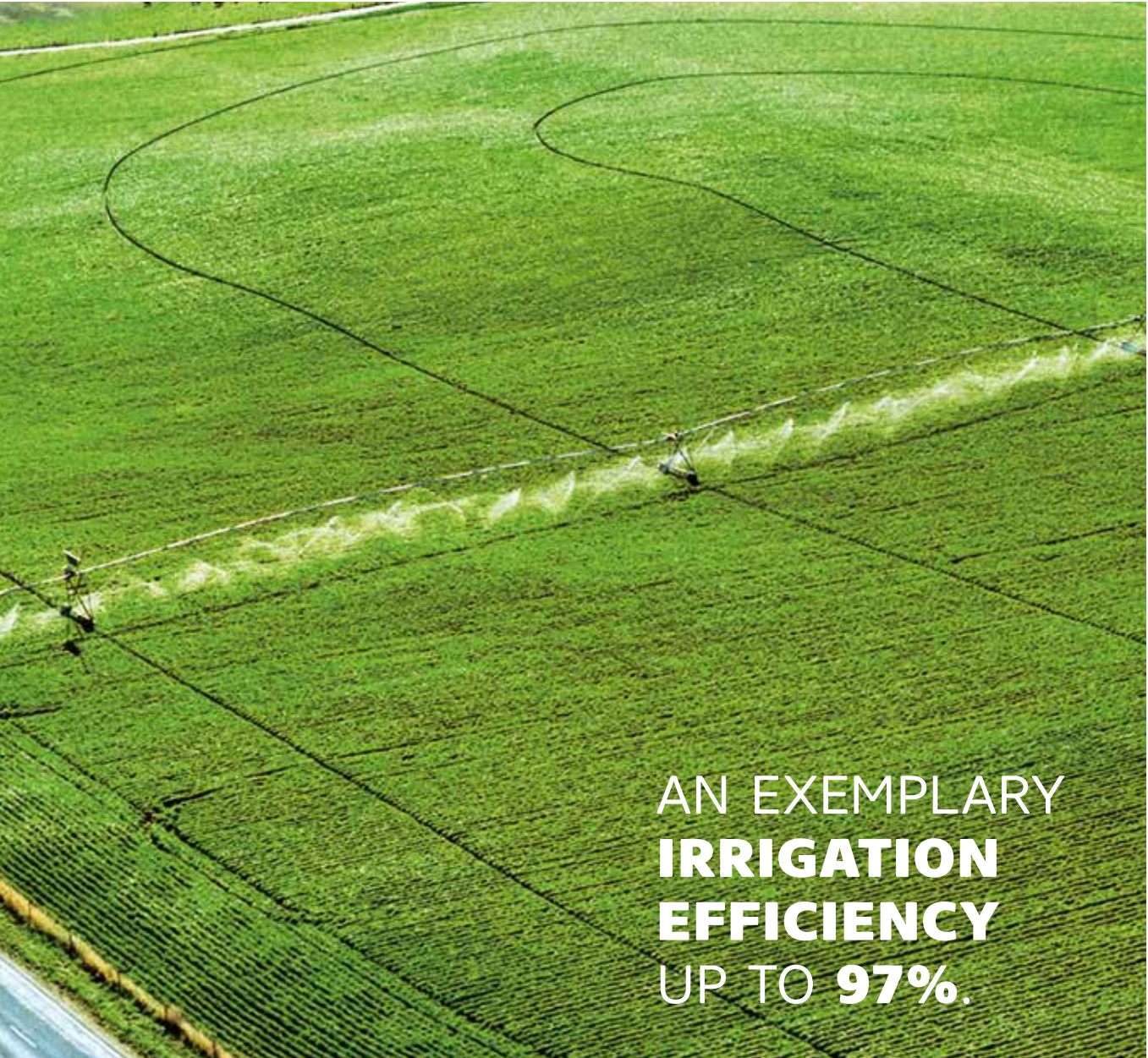
Our 6,000 partners across all 5 continents are the best references we could wish for.

A handwritten signature in blue ink, appearing to read "Otto Roiss".

DI Otto Roiss
CEO of Bauer group

A handwritten signature in blue ink, appearing to read "Johann Gallaun".

Ing. Johann Gallaun
Productmanager



AN EXEMPLARY
**IRRIGATION
EFFICIENCY**
UP TO **97%**.

CONTENTS

CENTERSTAR 9000	4
PIVOT CONTROL MECHANISM	8
PRECISION CORNER SYSTEM	10
LINESTAR 9000	12
MONOSTAR	15
CENTERLINER 9000	16
POLYSTAR 9000	20
SPRAY NOZZLE OPTIONS	22
TECHNICAL DETAILS	23
THE ADVANTAGES OF BAUER	24
SERVICE	26
BAUER WORLDWIDE	27

CENTERSTAR 9000

OPTIMAL USE OF YOUR WATER RESOURCES.

Centerstar 9000 offers innovative new features which make the system easier to operate and more precise, robust and economical. Everything has been perfected and optimised, from the feed pipe to the seals and angle brackets. New elements have been added to the drive towers to ensure better power transmission, easier installation and comfortable control.

THE ADVANTAGES OF CENTERSTAR

- Minimal work input
- Low energy consumption
- High level of irrigation efficiency
- Irrigation system which does not damage the crops
- Optimal adaptation to various crop heights
- Perfect irrigation management



PIVOT TOWER

The highest level of stability for continuous operation

- Sturdy structure on four legs with broad support base
- Pivot tower angle 100 x100 mm for increased structural length for towers 254 and 203



Stationary pivot tower



Mobile pivot tower

- Broad support plates with large support surface area
- Horizontal braces for increased machine stability
- Entire pivot tower is hot dip galvanized

PIVOT TOWER 254

Recommended up to max. 20 spans

For spans of Ø 254 mm, 219 mm und 168 mm

System capacity of up to 600 m³/h

For areas of up to 220 ha

Connection flange DN250

Standard design 3.7 m

PIVOT TOWER 203

Recommended up to max. 14 spans

For spans of Ø 203 mm and 168 mm

System capacity of up to 380 m³/h

For areas of up to 150 ha

Connection flange DN200

Standard design 3.7 m; high design 4.2 m

towable

PIVOT TOWER 168

Recommended up to max. 8 spans

For spans of Ø 133 mm

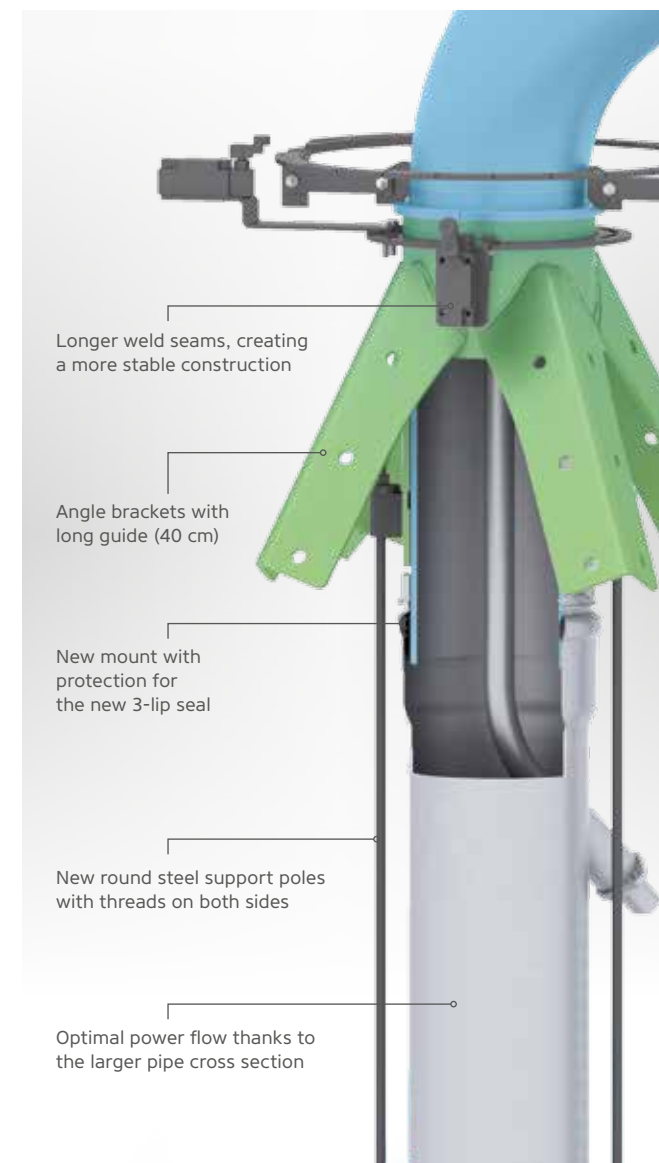
System capacity of up to 150 m³/h

For areas of up to 60 ha

Connection flange DN150

Standard design 3.7 m

THE INNOVATIVE NEW FEATURES OF SYSTEM 9000



DRIVE TOWER

System 9000 brings greater stability

- Broad-based construction
- Optimal power input
- Large-dimension drive tower bracing angle 100 x 75 mm, Span 133 80x80 mm
- The wide wheel base of 4.3 m (standard) and 5.2 m guarantees a high level of stability, including on uneven terrain and in high winds
- 2 construction heights of 4.2 m (standard) and 5.0 m for optimal adaptation to different crops
- Towable – high level of flexibility and adaptation to crop rotation



High level of rigidity thanks to the wide angle brackets



Wide wheel base – particularly stable



Easy towing thanks to the easy rotation of the drive tower wheels

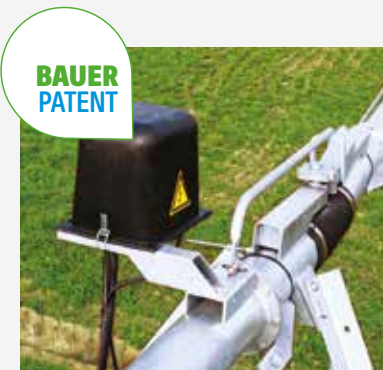


THE CONTROL UNIT – PRECISE AND RELIABLE



Tower coupling

The sturdy drive tower coupling, free from play, with ball and socket perfectly compensates for extreme slopes. Mounted on the outside of the pipe, it does not restrict the cross-section of the mainline pipe, thereby ensuring optimum water flow without pressure loss. The weather, UV and ozone-resistant hose collar facilitates large angles.



Alignment control

BAUER is the only manufacturer to offer a control lever that is mounted directly above the swivel point of the flexible joint. Any torsion in the pipe has no influence on the control; the entire system is kept stress-free. Optimum adjustment of switching brackets with precision bearings of the control cams ensures precise movement transmission. Precise drive tower control system leads to a long product lifespan.



Precision control

The precision control for extreme precision of linear and centerliner systems and systems with more than drive towers. The angles between the drive towers are transmitted by means of control cables, counter-balancing any torsion in the steel structure.

SPAN - RUSSING

The highest level of security over many years

- 5 tube diameters for a wide application range (50 - 600 m³/h)
- Optimum adjustment for lowest operating costs
- Just one tube length (5.85 m) for easy assembly and transportation
- Truss rods, diam. 20 mm, with high tensile strength and large safety reserves, Span 133 18 mm
- Even arc shape of the trussing ensures high degree of stability
- The 90° arrangement of the bracing angle provides for even load distribution even on the most demanding terrain
- Crossed drive tower braces for high stability on uneven terrain



DRIVE



Gear motors

- High-torque motor with thermal overload protection
- Enclosed moisture-proof motor
- High-efficiency spur gear
- Shaft seal with specific dirt-repellent profile
- Types: 50:1 0.54 kW / 40:1 0.54 kW / 30:1 1.1 kW



Gear boxes – for standard systems

- Worm gear for high torques, 50:1 gear ratio
- Large-sized tapered roller bearings
- Integrated expansion chamber
- Shaft seal with specific dirt-repellent profile



Gear boxes – for mobile systems

- Decoupling of worm for free-travel (towing)
- Simple to change from pivot to towing mode

TIRES

Comfort tires to meet the highest standards

- Extensive range of tyres / Tyre dimensions for fine tuning for different soils and cultivations
- Dimensions available: 14.9-24; 16.9-24 and 12.4-38
- NEW-tyres with traction profile
- Pulled in hose for maximum operational safety
- Galvanized rims for optimal corrosion protection



PIVOT CONTROL MECHANISM

PERFECT IRRIGATION MANAGEMENT.

Tried and trusted sturdy elements for application under the most extreme conditions. Easy-to-use control surface and robust control elements to ensure smooth operation. All of the basic functions for automatic operation are integrated into all of the control centres. A comprehensive range of accessories is available for retrofitting further elements for additional operating functions.





UNIVERSAL

- Easy operation via buttons
- Adjustment for precipitation via percentage timer
- Monitoring of the operating status



UNIVERSAL PRO

- Controlling the pivot via micro controller
- Programming of the precipitation height and time function
- Status notification on the display – in 2 table rows
- Monitoring and recording of the operating status
- SMS control unit – optional



UNIVERSAL PRO G

- Controlling the pivot via micro controller
- Programming of the precipitation height and time function
- Status notification on the display – in 2 table rows
- GPS position detection and therefore possibility of 6 irrigation segments
- Monitoring and recording of the operating status
- SMS control unit - optional
- Compatible with SmartRain-irrigation management (Visualization software)



SMART TOUCH

- Control of the pivot with powerful computer
- Operation via touch screen 4.3" or 10" available
- Simple function input via icons and dialog windows
- Visual display of the operating status
- Monitoring and recording of the operating status
- VRI and GPS ready
- SMS-control unit or SmartRain –irrigation management

SmartRain

Mobile Management of irrigation systems

Monitoring and controlling of the Rainstar, Pivot and pumps with the GPS-supported.



Comparison of control systems	Universal	Universal PRO	Universal PRO G	Smart Touch	Smart Rain
Circle-Sector- and auto reverse operation	▪	▪	▪	▪	▪
Percentage timer for adjusting the speed	▪				
Entering precipitation height in mm		▪	▪	▪	▪
Entering of irrigation segments			▪	▪	▪
Programmable end sprinkler sectors			▪	▪	▪
Entering of time start and pausing times		▪	▪	▪	
Number of required rounds		▪	▪	▪	▪
Programmable parking position or intermediate stop			▪	▪	▪
Entering of individual irrigation programmes				▪	
Restart after pressure or voltage drop		▪	▪	▪	
Recording of the operating events		▪	▪	▪	▪
Wet- / dry operation	▪	▪	▪	▪	▪
Machine monitoring and shut-down	▪	▪	▪	▪	▪
GPS Ready			▪	▪	▪
VRI Ready				▪	
SMS control unit*		▪	▪	▪	
Internet communication*			▪	▪	▪
Touch Screen operation				▪	
Configurable display				▪	
Contact unit shut-off or shut-off valve	▪	▪	▪	▪	
Contact pump start		▪	▪	▪	
Contact pressure sensor*			▪	▪	
Contact flow measurement*			▪	▪	
Contact irrigation sensor*			▪	▪	
Contact wet sensor*				▪	

* Optional accessories required

PRECISION CORNER SYSTEM

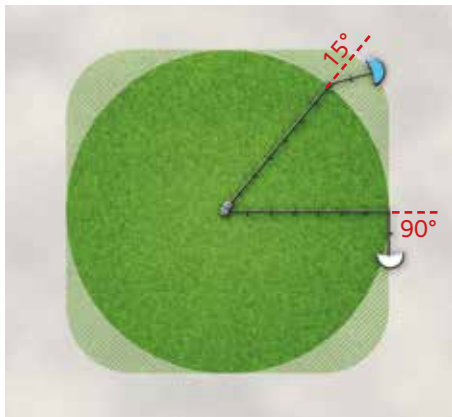
OPTIMAL AND FULLY AUTOMATIC USE OF EVERY FIELD.

These corner systems make it possible to create a virtually rectangular irrigation area from a circular area and thereby to ensure optimal irrigation of the crops. Corner systems can also be added to existing pivot systems.

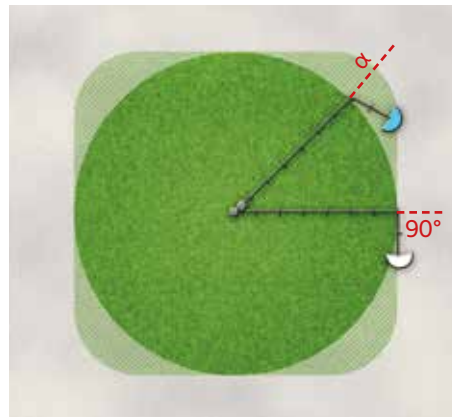
THE ADVANTAGES OF THE CORNER SYSTEM

- A fully automated system which no manpower required, thereby improving operating efficiency
- Up to 97 % irrigation of existing areas
- Optimal area adaptation
- Precise water distribution through speed controlled drives
- Perfect irrigation management
- Robust construction
- Corner span up to 90 m long

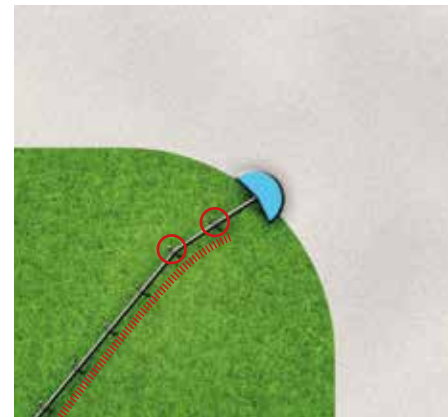




Optimal utilization of area thanks to the large offset of the corner span.



Angle-dependent control of the nozzles and end guns.



CAN-Bus communication between the end tower, corner span and pivot tower.



Speed-controlled drive for continuous propulsion and precise water distribution.



Nozzle control via electro-hydraulic valves



Robust construction with exact steering; does not damage the ground or structure.



Precise control via GPS control system. Drive wheels are rotatable.

LINESTAR 9000

THE OPTIMAL SOLUTION FOR RECTANGULAR AREAS.

The Linestar System 9000 from BAUER is ideally adapted to guarantee the secure and ongoing irrigation of large rectangular areas. Perfect directional stability and the independent correction of any deviations between the drive towers also take place on challenging and difficult terrain. Robust, durable, accurate and suited to different sized areas: A BAUER Linestar system requires minimal work input.

THE ADVANTAGES OF LINESTAR

- Optimal area utilisation in rectangular fields (up to 100 %)
- Gentle irrigation which does no damage to the plants or soil
- Low pressure system with low energy consumption
- High level of irrigation efficiency thanks to the ground-level water distribution
- High level of flexibility due to the towing and rotation options





2-wheel central unit for one-sided feed

- For system lengths of up to 440 m - max. 7 spans
- System capacity of up to 200 m³/h
- Irrigated area of up to 80 ha
- Extensive area coverage thanks to rotation options
- Accurate control using programmable central controls

For double-sided feed

- High level of flexibility thanks to towing options
- 2nd device connection at end of system: no time loss due to running dry or rotation process



4-wheel central unit for central feed

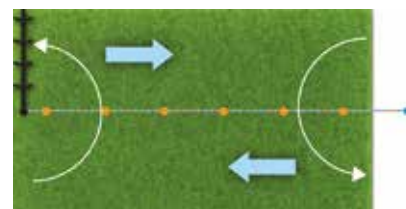
- For system lengths of up to 760 m
- System capacity of up to 400 m³/h
- Irrigated area of up to 140 ha
- Extensive area coverage through-wheel drive operation
- Accurate control using programmable central controls

For one-sided feed

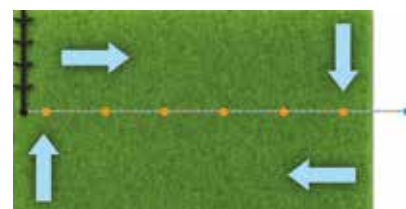
- Low operational input
- High system capacity of up to 400 m³/h



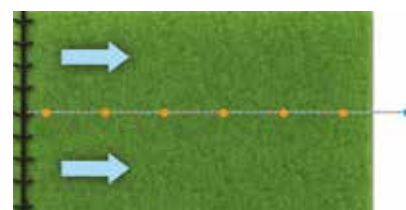
One-sided feed - straight



One-sided feed - rotating



Double-sided feed



Central feed - max. 14 spans



One-sided feed - max. 7 spans

Accuracy on straight strips

The energy-saving low pressure system with low energy consumption, a high level of irrigation efficiency, optimal area utilisation with rectangular fields (up to 100 %) and a high degree of flexibility thanks to the towing and rotation options.

2 wheel	4 wheel	Linestar Basic data
	▪	4 wheel central unit with rigid connections for drag hose
▪		2 wheel central unit with rotary connection for drag hose
▪		Possibility of rotating the central unit
▪	▪	Double connection - for the use of 2 drag hoses
▪		Central unit towable design
▪	▪	Control unit LINESTAR Pro
▪	▪	SMS control unit - option
▪	▪	Span 168LL lengths: 42.3 m to 59.8 m
	▪	Span 203LL lengths: 42.3 m to 54.0 m
▪		Span - in towable design
▪	▪	Span - High design
▪	▪	Max. recommended system length : 450 m
	▪	Max. recommended system length: 760 m With central supply
▪		System capacity up to 200 m ³ /h
	▪	System capacity up to 400 m ³ /h
▪	▪	Drag hose 4" – up to 120 m ³ /h (max. 200 m 4-wheel; 160 m 2-wheel)
▪	▪	Drag hose 4 1/2" – up to 150 m ³ /h (max. 180m 4-wheel; 130 m 2-wheel)
▪	▪	Drag hose 5" – up to 200 m ³ /h (max. 150 m 4-wheel; 110 m 2-wheel)
	▪	Drag hose 6" – up to 300 m ³ /h (max. 110 m 4-wheel)
▪	▪	Furrow guidance
▪	▪	Cable guidance
▪	▪	Buried guidance

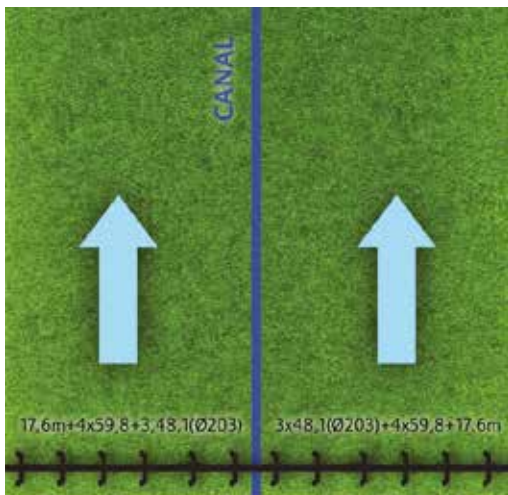
LINESTAR - DITCH FEED



LINESTAR CONTROL CENTER

LINESTAR PRO – The central control system for linear systems

- Control via electronic module
- Simple operation
- Entering of irrigation height
- System monitoring and shut-down in the event of an error
- Efficient irrigation management
- Protocol – recording of the last operating events
- SMS control available and can be added later
- PRO-software guarantees exact control of the system and therefore less stress on the construction



The irrigation system for large areas

- System length up to max. 1450 m
- System capacity up to 1100 m³/h
- Possible area size of 400 ha
- High level of operating efficiency thanks to low energy consumption
- Lowest investment cost per ha
- Self-sustaining irrigation system



Individual solution: floating suction line



Suction line with optional channel gate

MONOSTAR 9000



The optimal irrigation system – economic and flexible

- Ideal for intensive farming
- Flexible irrigation system – rotatable, towable, mobile
- Optimal adaptation to crop rotation
- Energy-saving low pressure system
- Low operating costs
- Optimal rain quality thanks to spray nozzles
- High level of irrigation efficiency (up to 93 %) through ground-level distribution
- No damage to plants – ruts follow plant alignment
- Comfortable: can be controlled by mobile phone



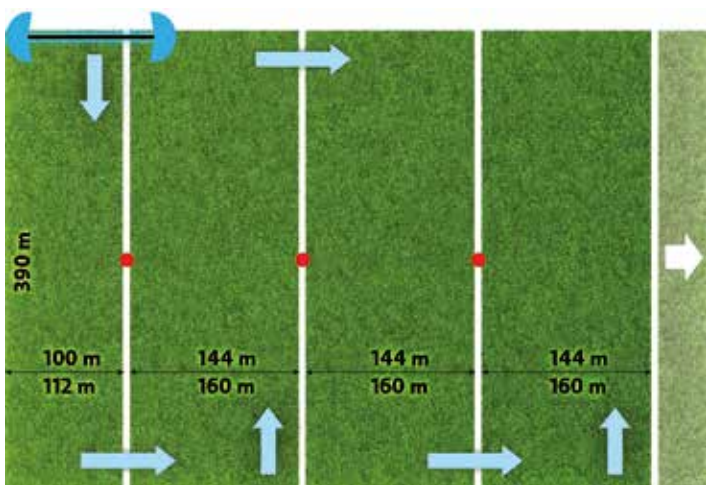
- Exact furrow guidance
- Optimal directional accuracy thanks to skid tows which run along a furrow
- The skid tows can be lifted up for transportation or rotation



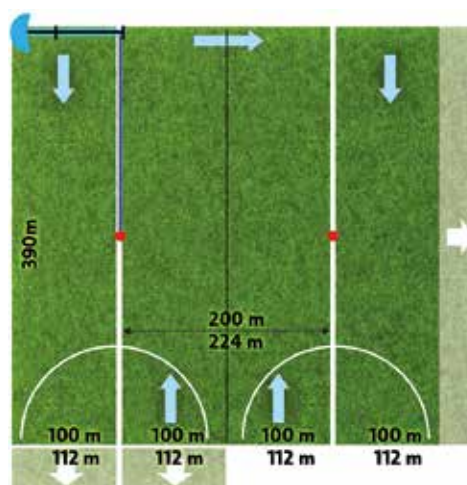
- Wheel rotation at the touch of a button
- The wheels on the drive motors can be quickly and easily rotated using a control station (optional with end tower)



- Time-saving towing
- After rotating the wheels, the Monostar can be towed on both sides to the next irrigation strip or field



Monostar with double-sided overhang, enables strip widths of up to 160 m.



Monostar with one-sided overhang, enables strip widths of up to 240 m by rotating the system.

Monostar: a comparison

System length:	82.5 or 106 m
Width of irrigated strip:	101 to 160 m
Irrigation capacity:	to 120 m ³ /h
Device connection pressure:	3 bar with end gun
Feed tube:	to 4" / 200 m
max. drive speed:	165 m/h

CENTERLINER 9000

THE MULTI-TALENTED IRRIGATION SYSTEM.

The economic solution for all farming areas and crop types. Optimal utilisation of the area thanks to the intelligent control system and high levels of flexibility, including on uneven terrain. The Centerliner 9000 is characterised by its top quality irrigation and low energy consumption.

THE ADVANTAGES OF CENTERLINER

- Optimal area utilisation, including on uneven terrain
- Intelligent control with low operational input required to control the system
- Setting of various irrigation precipitation rates across one area
- Energy-saving low pressure system
- Towable and with a high level of flexibility



CENTERLINER SYSTEM



The optimal solution for all areas

This energy-saving low pressure system with optimal area utilisation impresses with its automatic irrigation and top irrigation quality. The innovative and intelligent control systems ensure low operational input. High degree of flexibility thanks to the easy-to-use tow option.

CENTERLINER CENTRAL UNITS



CLX Multistar

4-wheel central unit:

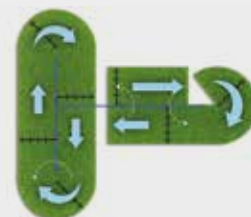
- Automatic rotation of drive towers
- Flexible hose connection for automatic reverse without having to re-couple the hose
- Rotation option on central unit for L-shaped irrigation areas
- SELECT-PRO switch cabinet



CLE

4-wheel central unit:

- Automatic rotation of drive towers
- Flexible hose connection for automatic reverse without having to re-couple the hose
- SELECT-PRO switch cabinet



CLS

4-wheel central unit:

- Automatic rotation of drive towers
- Rigid device connections
- STANDARD-PRO switch cabinet



CENTERLINER: A COMPARISON

CLX	CLE	CLS	Details
		▪	4 wheel central unit for automatic swiveling of the drive towers with rigid connections at front and rear
▪	▪		4 wheel central unit for automatic swiveling of the drive towers with flexible suction connections for automatic reverse
▪			possibility of rotation of the central unit for L-shaped areas
		▪	double connection – for using 2 drag hoses
▪	▪	▪	central unit towable design
		▪	control unit STANDARD - Pro
▪	▪		control unit SELECT - Pro
▪	▪	▪	SMS control unit – optional
▪	▪	▪	Span 168LL lengths: 42.3 m to 59.8 m
		▪	Span 203LL lengths: 42.3 m to 54.0 m
▪	▪	▪	Span – in towable design
▪	▪		Span – high design
▪	▪	▪	Max. recomm. system length: 450 m
▪	▪		System capacity up to 200 m ³ /h
		▪	System capacity up to 400 m ³ /h
▪	▪	▪	Drag hose 4" - max. 200 m (up to 120 m ³ /h)
▪	▪	▪	Drag hose 4 1/2" - max. 160 m (up to 150 m ³ /h)
▪	▪	▪	Drag hose 5" - max. 130 m (up to 200 m ³ /h)
		▪	Drag hose 6" - max. 110 m (up to 300 m ³ /h)
▪	▪	▪	Furrow guidance
▪	▪		Cable guidance
▪	▪	▪	Buried guidance

CENTERLINER - DITCH FEED



Ditch feed

- Significant capacity of up to 450 m³/h
- For areas of up to 150 ha
- Complete independent systems
- High level of flexibility: rotatable, towable
- Low investment costs/ha
- CLX, CLE and CLS designs available

CENTERLINER - CENTRAL CONTROLS

STANDARD PRO	SELECT PRO	Centerliner Control units
▪	▪	Control unit with built-in BAUER control electronics
▪	▪	4 basic operation programmes
▪	▪	- LINEAR mode
▪	▪	- swivel INWARDS
▪	▪	- swivel OUTWARDS
▪	▪	- Pivot mode
	▪	Automatic continuation after pivot irrigation
▪	▪	Programable angles for pivot irrigation
▪	▪	Entering of precipitation rate in mm
	▪	Swivelling of wheels for central tower - with CLX design
▪	▪	Automatic switching of nozzle assembly
▪	▪	Recording of the operating status
▪	▪	Monitoring and shut-off in case of error
▪	▪	Wet-/dry operation
▪	▪	End gun ON/OFF switch
▪	▪	Voltmeter
▪	▪	Plastic housing IP66

STANDARD PRO central control



SELECT PRO central control



LINESTAR & CENTERLINER - CONTROL SYSTEMS



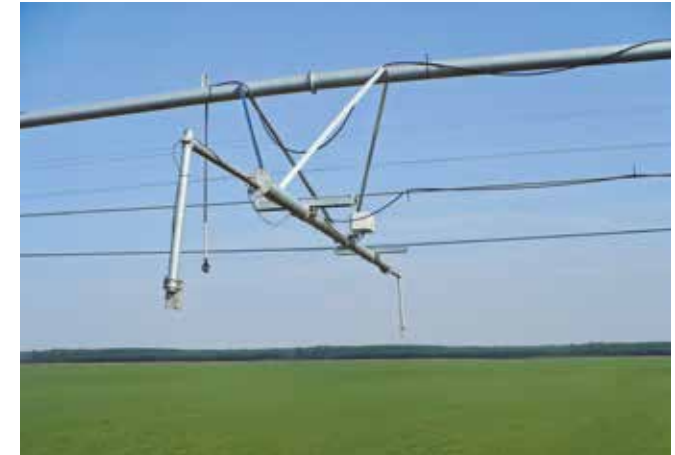
Furrow guidance

In order to control a Linestar/Centerliner, a furrow is created along the route in order to determine the direction of travel of the system.



Cable guidance

The steering arm with its pulleys moves along a stretched cable, thereby determining the direction of travel of the machine.



Buried guidance wire

Sensors track the induction field of a buried cable and thus indicate the direction of travel (available for Centerliner and Linestar systems).

Advantages of the buried guidance wire:

- No obstacles in irrigation area
- Permanent indication of deviations from the ideal line
- Simple programming and implementation
- Assembly height of up to 3 m above buried cable
- No maintenance work



POLYSTAR 9000

FOR AGGRESSIVE WATER.

Corrosive liquids require optimal solutions. With its Polystar system, BAUER offers comprehensive corrosion protection for elements which transport water. This means that there are no limits to the use of waste water, separated liquid manure and aggressive water.

THE ADVANTAGES OF POLYSTAR

- Comprehensive protection against corrosion
- Longer product lifespan
- Higher level of operating efficiency
- Reliable irrigation
- Optimal flow properties



POLYSTAR 9000

The ideal solution for corrosive liquids

The economic solution for poor quality water. BAUER guarantees complete protection against corrosion and offers perfect comprehensive solutions, even in these difficult areas. Ready to use, including irrigation.

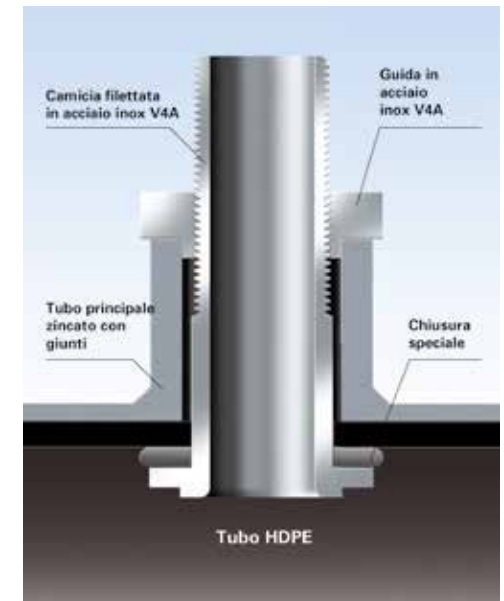


Span pipes are produced in sizes 21 and 168 and 203 mm inside with HD-PE 4.0/4.9 mm. Sealing surfaces are produced using precision tools to guarantee a completely tight seal and time-saving assembly.

Water quality	POLYSTAR	Stainless steel	Galvanized steel
Soft: high proportion of carbonate, bicarbonate, calcium and magnesium	*****	**	■
Saline: high levels of dissolved solids & high electrical conductivity	*****	***	■
Saline or alkaline: pH lower than 6.2 or higher than 8.5	*****	***	
High concentration of chlorides and/or sulphates	*****	**	

Stainless steel

The first nozzle connection made from high quality V4A stainless steel for a long product lifespan



A clear solution for various situations



Water is becoming ever scarcer as a resource. For this reason, recycled substances and waste water are increasingly being used for irrigation.



Water from rivers, sewage treatment plants, slaughterhouses, the food industry and the paper and sugar industry.



Aggressive water can significantly reduce the lifespan of normal irrigation systems. BAUER offers a 10 year guarantee on all its Polystar span pipes.



Stable spray nozzle outlets made from high quality V4A stainless steel guarantee an exceptionally high product lifespan. Specially designed connectors offer a high level of stability and enable the assembly of nozzle pipes without any additional support.

SPRAY NOZZLE OPTIONS

A SYSTEM FOR ALL KINDS OF SOILS AND PLANTS.

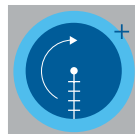
Depending on the type of soil, crop and climate, the comprehensive BAUER spray nozzles enable precise adaptation to the conditions in question. As a result, the system ensures a high yield and guarantees a more economic use of cultivation areas.

TWINmax end gun

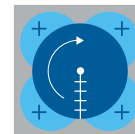
Tailored for pivot and linear systems. High functionality even at low operating pressure. Nozzle diameters from 10 - 24 mm for a wide range of applications.

End gun for better optimisation of land use

End gun mounted on the overhang ensures maximum water supply even on exposed cultivation areas. The end guns can be equipped with a booster pump to ensure a reliable water pressure. When used for circle irrigation, the end guns deliver the water even to the outermost edges, thereby increasing the yield. An economic solution for minimal additional expense.



With end gun



Sectorised irrigation limits



KOMET KPS

Low pressure spray nozzle in compact design for application of water close to the plant. Easy replaceable nozzles as well as nozzle carrier for second set of nozzles.



KOMET Twister

Uniform distribution of water over the whole radius, soil friendly irrigation due to low nozzle pressures (0.4 – 1.4 bar), optimal solution for soils with low infiltration rates.



SENNINGER Superspray®

Proven for more than 30 years. Large distance between nozzle and baffle plate enables easy cleaning. Assembly up and down possible.



SENNINGER LDN®

The compact spray nozzle designed for low wind drift. Easy replaceable UP3-nozzles with colour code-Valid for all Senninger nozzles.



SENNINGER i-Wob®

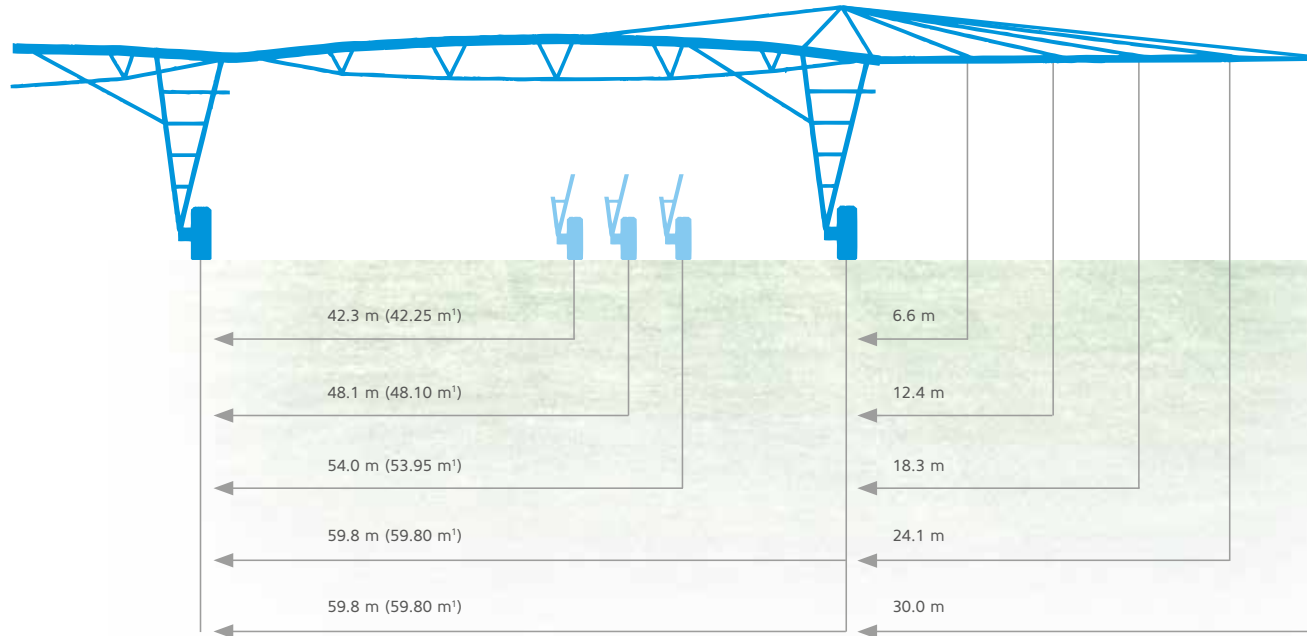
Spray nozzle with rotating baffle plate. Large spreading width with excellent distribution. Low intensity and soil friendly irrigation.



Pressure reducer

Precise distribution of water at the pivot, independent of pressure and height differences. Constant flow at the nozzles guaranteed.

TECHNICAL DETAILS



PRODUCT OVERVIEW SYSTEM 9000

Centerstar 9000	133 EL	168 EL*	168 E*	203 EL*	203 E*	219 EL	254 EL
Centerliner 9000 - Hose	-	168 LL*	168 LH*	-	-	-	-
Centerliner 9000 - Canal	-	168 LL*	-	203 LL*	-	-	-
Linestar 9000 - Hose 2-wheel	-	168 LL*	168 LH*	-	-	-	-
Linestar 9000 - Hose 4-wheel	-	168 LL	168 LH	203 LL	-	-	-
Linestar 9000 - Canal	-	168 LL	168 LH	203 LL	203 LH	219 LL	254 LL
Pipe diameter	133 mm / 5 1/4"	168 mm / 6 5/8"	168 mm / 6 5/8"	203 mm / 8"	203 mm / 8"	219 mm / 8 5/8"	254 mm / 10"
Length of span m	59.8 - 54.0 - 48.1 - 42.3	59.8 - 54.0 - 48.1 - 42.3	59.8 - 54.0 - 48.1 - 42.3	54.0 - 48.1 - 42.3	54.0 - 48.1 - 42.3	54.0 - 48.1 - 42.3	42.3 - 36.4
Overhang m	29.3 - 23.4 - 17.6 - 11.7 - 5.9	29.3 - 23.4 - 17.6 - 11.7 - 5.9	29.3 - 23.4 - 17.6 - 11.7 - 5.9	29.3 - 23.4 - 17.6 - 11.7 - 5.9	29.3 - 23.4 - 17.6 - 11.7 - 5.9	29.3 - 23.4 - 17.6 - 11.7 - 5.9	29.3 - 23.4 - 17.6 - 11.7 - 5.9
Clearance height m	3.1	3.1	3.9	3.1	3.9	3.1	3.1
Wheelbase m	4.3	4.3	5.2	4.3	5.2	4.3	4.3

¹ true length; * towable design available; pipe diameter 168 and 203 are available in Polystar-design

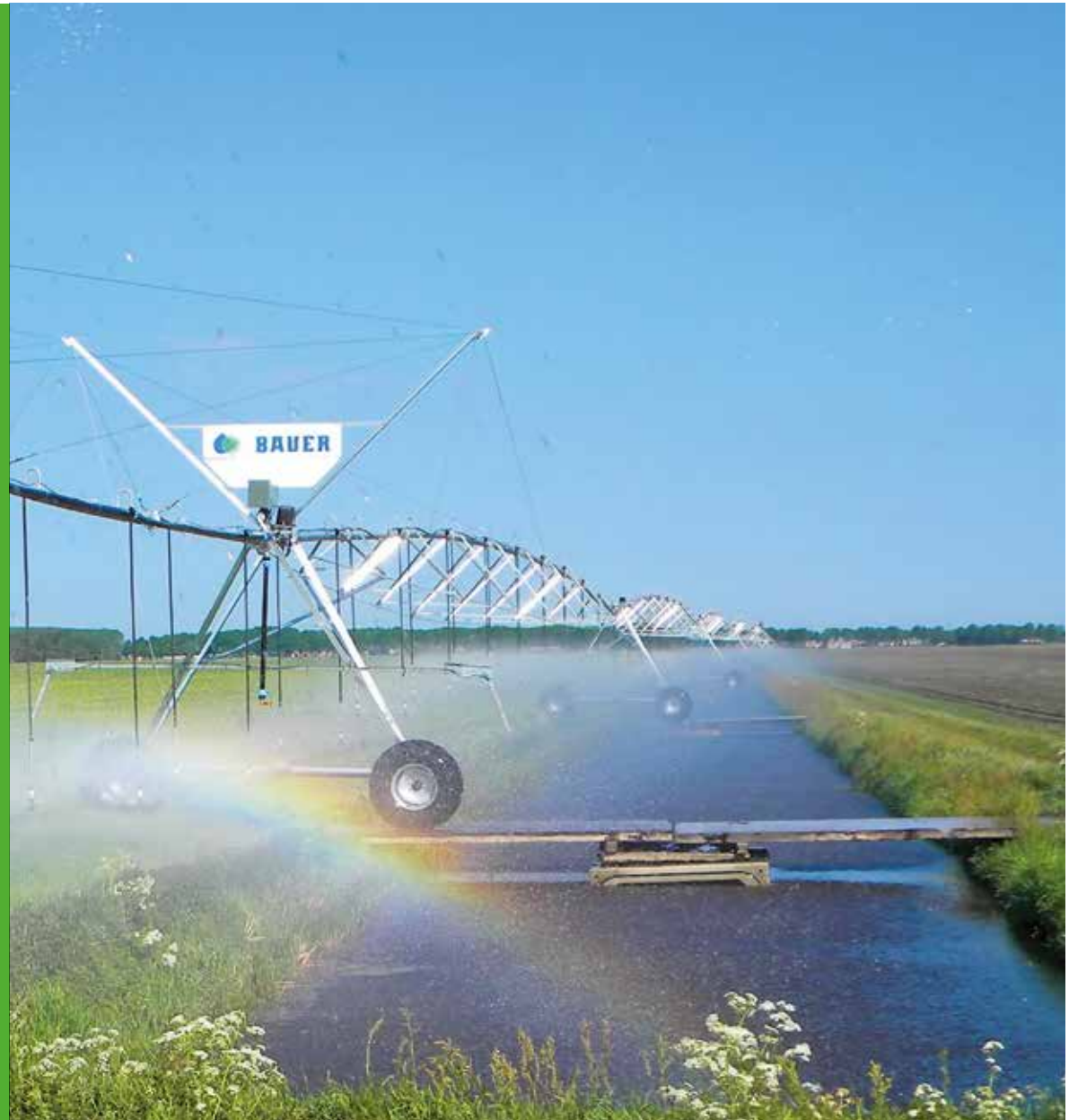
THE ADVANTAGES OF BAUER

THE BENEFITS AT A GLANCE.

We have acquired extensive expertise over several generations during our 80 years of activity in the agricultural irrigation field. This represents an excellent basis because our long-standing and accurate knowledge of the requirements means that we are better able to develop ideal solutions for optimal water use. As a medium-sized company based in Europe, BAUER is big enough to offer perfect irrigation solutions even for large-scale areas. We are also flexible enough to provide tailor-made solutions for all areas of application. This combination is our real advantage, as valued by some 6.000 satisfied customers across the world.

LEADING INNOVATION AND OPERATING EFFICIENCY

- The new system 9000 with all-round optimal quality including GPS control
- Tried and tested and tailor-made pivot/linear systems and system combinations for individual requirements
- Robust European quality which also functions perfectly on difficult terrain and heavy soils
- High level of service quality: fast delivery of spare parts
- Optimal water use, improved area utilisation and a longer service life offer benefits in terms of the investment and operating costs and ensure a higher level of operating efficiency



BAUER – QUALITY FACTORS



Pivot tower

- Sturdy structure with broad support
- High level of structural strength thanks to high pivot tower angle 100 x 100 mm
- Angle brackets with long duct to ensure optimal power transmission
- Specially formed angle brackets with long weld seams for the highest levels of stability
- Optimal hydraulics and seals



Electronics

- BAUER controls are produced in accordance with the strict terms of EN 4.VDE
- Non-contact technology offers the highest level of protection and security
- Only standard quality components from renowned manufacturers are used (Schneider, Schrack, Finder, Moeller etc.)
- Excellent corrosion protection even under extreme climatic conditions



Drive tower

- Highly stable thanks to wide angle brackets
- High level of rigidity thanks to the large support brackets
- Harmonised power input for even load distribution across components and increased product life
- Wide wheel base guarantees high stability including on uneven ground and in high winds



Trussing

- All construction components galvanised to a high standard in line with DIN EN ISO 1461
- BAUER only uses 1 length for the pivot pipe (5.85 m). Low weight, easier assembly and logistics
- We offer the highest level of common parts, customer-friendly assembly and time-saving logistics



Alignment control

- BAUER offers a control lever that is mounted directly above the swivel point of the flexible joint. Any torsion in the pipe has no influence on the control and the entire system is kept stress-free. Optimum adjustment of the switching brackets with precision bearings of the control cams ensures precise movement transmission.
- The alignment control is pre-assembled at the factory and the switching points adjusted



Packaging

- BAUER offers the highest levels of packaging comfort
- All of the important components of a span are packaged in a box
- Span cable is pre-produced and cut to length
- Simple assembly and storage

SERVICE IS OUR STRENGTH



Further information about BAUER-products you can find on:

www.bauer-at.com

Planning

BAUER has decades of experience in planning and implementing individual irrigation systems. Our specialists can plan both ready-made and tailor-made systems from standalone plants to extensive irrigation systems. Planning is always based on the principle of sustainability in accordance with European quality standards. This provides our customers with ecological and economic benefits through the efficient use of water and a high product life.

Installations

To ensure that an irrigation system functions perfectly, every movement during the installation process must be perfect. BAUER guarantees this through the use of technicians who are specially trained both within the company and by dealers. Logistically well-devised packaging units simplify and shorten the installation time. The clear and easy-to-read operating instructions form an integral part of any system acceptance.

Maintenance

In order to guarantee sustainably irrigation solutions, the BAUER quality assurance handbook specifies concrete maintenance intervals. Numerous authorised BAUER dealers offer attractive maintenance packages.

Spare parts

To keep downtime to a minimum, all BAUER service support points across the world offer a comprehensive spare parts store. Special BAUER advantage: thanks to their particularly high product life, BAUER provides spare parts which last significantly longer than is legally prescribed. Optimised spare parts packages (repair sets) are also available as well as packaging units for faster repairs and improved storage.

Configurator

An important sales support tool for all BAUER employees and dealers to ensure the fast and professional preparation of offers, taking account of individual details.

Service-Center

In over 80 countries across the world - on 5 continents

More than . customers across the world trust the quality service from BAUER.

Röhren- und Pumpenwerk BAUER Gesellschaft m.b.H
Kowaldstraße 2 · 8570Voitsberg · Austria
T: +43/3142/200-0 · F: +43/1342/200-205
sales@bauer-at.com · www.bauer-at.com



1 Bauer Irrigation Equip. Agrícolas LTDA
 Av. Presidente Vargas
 3333, 99064-000
 Passo Fundo-RS
 Brazil

2 Bauer North America Inc.
 107 Eastwood Rd Suite 400
 Michigan City
 46360 IN
 USA

3 Bauer GmbH (Australia) PTY LTD
 U20/40 William Angliss Drive
 Laverthon North, VIC 3026
 Australia

4 Röhren- und Pumpenwerk BAUER
 Deutschland Vertriebs-GmbH
 Urladinger Straße 25
 94571 Schauffling
 Germany

5 Bauer Hungária Kft.
 H 5000 Szolnok
 Kombájn ut 2
 Hungary

6 Bauer Irrigation spol. s.r.o.
 Gajary 1085
 Slovakia

7 Bauer Ukraine
 2a, M. Raskovoyi Street
 6th Floor, Office
 02002, Kyiv
 Ukraine 607





Your distributor

Röhren- und Pumpenwerk BAUER GmbH

8570 Voitsberg / Austria

T +43 3142 200-0

F +43 3142 200-320 / - 340

M sales@bauer-at.com

W www.bauer-at.com

