



AMAZONE



A UF

is the only option ...



... unless it's a self-propelled sprayer with a **FRONT TANK!**

The practical solution for tank capacities of up to 3,500 l



FT front tank
1,000 l or 1,500 l

TAILORED TO YOUR NEEDS

UF 02 mounted sprayer



PERFORMANCE

Tank capacity from 1,000 l to 2,000 l and boom widths from 12 m to 30 m. Extendable to 3,500 litres with the FT front tank – for even higher outputs.



ROBUSTNESS

Super-robust and super-light boom thanks to the special profile design. Outstanding, multi-facet spring suspension for a smooth boom ride over the crop.



PRECISION

AmaSwitch individual nozzle control for minimal overlapping in wedge shaped fields and on the headland.

DUS or DUS pro pressure recirculation systems for continuous circulation of the spray agent.



COMFORT

SmartCenter with induction bowl: All the controls are mounted directly on the front left of the driver's side and are arranged logically without the possibility of a mix-up; they are clearly marked and easy to use to ensure quick, safe and precise working. GPS-Switch automatic part-width section control and other optional extras which ease the workload thanks to the comfortable AMAZONE ISOBUS control.



FILM: UF 2002
with FT front tank
Find out more



FILM: UF IN PRACTICE
Find out more

The best AMAZONE sprayer range of all time!



UF 01 mounted sprayer
900–1,200 l, 12–24 m



UF 02 mounted sprayer
1,000–2,000 l, 12–30 m

A CLEAN SOLUTION

SmartCenter

Perfect operating comfort in detail

To prevent any mix-ups, all the operating controls are arranged logically on the front, left-hand side, directly next to the tractor cab door. The valves are all marked with self-explanatory symbols to avoid operational errors.

- 1 Operator station**
Sealed against dirt and splash water ingress.
- 2 Clothing locker**
30 l capacity, dust- and splash-proof.
- 3 7-way pressure tap**
The AMAZONE in-house development is extremely easy to use. The respective liquid paths are safely opened or closed exclusively by swivelling the pressure tap in or out.
- 4 Hand wash tank and soap dispenser**
The 20 l hand wash tank is positioned above the induction bowl. The wash water runs directly into the induction bowl and is sucked into the tank. The soap dispenser is located under the hand wash tank.
- 5 Measuring jug holder**
Folds up in the induction bowl lid for easy use.

THE CONCEPT

Compact and comfortable

A favourable centre of gravity and a compact design

The UF 02 mounted sprayers have a lightweight yet extremely robust frame and a short tank position for a favourable centre of gravity. Furthermore, every UF 02 has two positions for the lower link pins, in order to position the weight as close as possible to the tractor. The UF 02 can be equipped with the quick coupling system for easier coupling and uncoupling from the tractor.



SmartCenter of the UF 02 with Standard-Pack



SmartCenter with Comfort-Pack

The TwinTerminal 3.0 is also used as standard with Comfort-Pack.

The benefits:

Before application:

- › Automatic fill stop for convenience and accuracy

During application:

- › Automatic agitation regulation
- › No foaming, agitation capacity always sufficient

After application:

- › Automatic cleaning programs (boom rinsing, quick clean, intensive clean)



Continuous internal cleaning – the alternative cleaning to Comfort-Pack

- › Preliminary cleaning of the spray agent tank is provided via continuous internal cleaning before actual cleaning takes place.
- › Continuous internal cleaning can be actuated during the spraying operation at the end of the application.

MAXIMUM PERFORMANCE

Exact mixing

Quick and safe with the induction bowl – trouble-free filling

The 60 l induction bowl is positioned directly underneath the operator control chest. The phenomenal suction capacity of 150 l/min guarantees the quick, absolutely trouble-free filling and a complete emptying. For inducing powders or granular spray agents, an additional mixing nozzle is positioned underneath the suction aperture which safely prevents any blockage of the suction aperture.



Foldable parking device

SUPER-ROBUST + SUPER-LIGHT

AMAZONE booms in an aircraft wing design

The high-tensile steel profile is more than just a solid core

Thanks to their special profile design, AMAZONE booms are super-robust yet super-light. The inside of the boom is made of high-tensile steel, so that the boom is rigid and remains in line and spraying errors caused by swing movements are prevented. The 3-fold shock-absorbed suspension, hydraulic height adjustment and elastic skids guide the booms safely over the crop at the right distance.

It's those important quality features that make the difference!

Compactness matters!

The UF 02 is ideal for use with crop-treatment tractors owing to the low centre of gravity distance, sturdy construction and the lightweight design.

Everything in its place!

The boom locates safely in the transport hooks. No rattling. No susceptible wear on the boom pivots. High road speeds are not a problem.

Clean working!

No spray agent drips onto the tractor or the operator station from the booms, and they also do not come in contact with the tractor cab.



ALL-ROUNDER Q-plus boom

The strong all-rounder boom up to 15 m

With the horizontally folding Q-Plus boom in working widths of 12 m, 12.5 m and 15 m, AMAZONE offers a boom that is second to none when it comes to quality and reliability. Folding is provided hydraulically as standard.

The benefits:

- › Hydraulic height adjustment as standard
- › One-sided independent fold on the left as standard
- › A choice of single or triple nozzle bodies

Can be added to by:

- › Hydraulic tilt adjustment



FILM: UF 1002
with Q-Plus boom
Find out more



HIGH-END Super-S boom

The top-end boom up to 30 m

The vertically folding Super-S booms are available as either the Super-S1 booms, in 15 m to 21 m and Super-S2, with a weight-reduced outer boom section of aluminium in 15 m to 30 m. There are only a few pivot points due to the layout of the boom sections. This enables quick hydraulic folding.

The benefits:

- › Hydraulic height adjustment as standard
- › A choice of single or triple nozzle bodies or AmaSwitch individual nozzle control
- › DUS pressure recirculation system for a consistent spray agent concentration

Can be added to by:

- › Hydraulic tilt adjustment
- › One-sided independent fold
- › Electro-hydraulic Profi-fold
- › Boundary nozzle switching



Super-S boom:

The transport width is only 2.40 m, and the visibility in road transport is ideal. Where the tractor can go, the boom can follow. No protruding parts, therefore no boom damage.



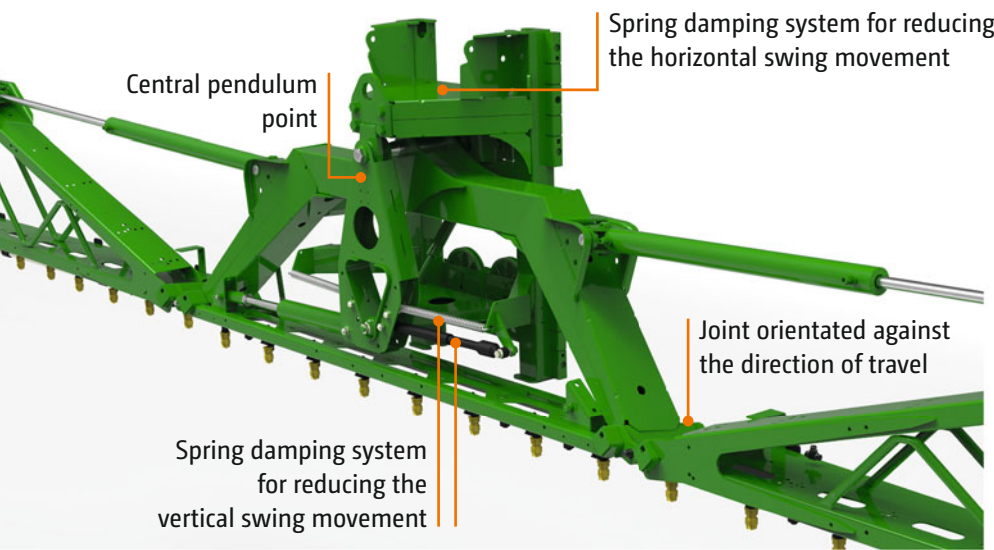
WELL-BALANCED

3-fold shock-absorbed suspension

Super-S1 and S2 boom suspension – for the most arduous of operational conditions

As standard, all AMAZONE booms are equipped with

- › Spring and shock absorber pack for damping the vertical roll movement
- › Rubber buffer damping elements with ball suspension for damping the horizontal yaw movements and
- › Tension springs for the shock-absorbed suspension of the entire boom.



The standard use of stainless steel, the use of automotive-industry standard, cathodic dip painting process and the targeted use of plastics and aluminium are the perfect guarantee of a long service life.

MAINTENANCE-FREE + LONG-LASTING

Conical hinge pin

The conical hinge pin is the intelligent heart of a well thought-out boom philosophy! The boom pivots self-adjust against any play on the conical hinge pins, thereby ensuring an optimised boom function for the end user, even after many years.



SHOWING THE WAY

DistanceControl

With maximum comfort and even more precision

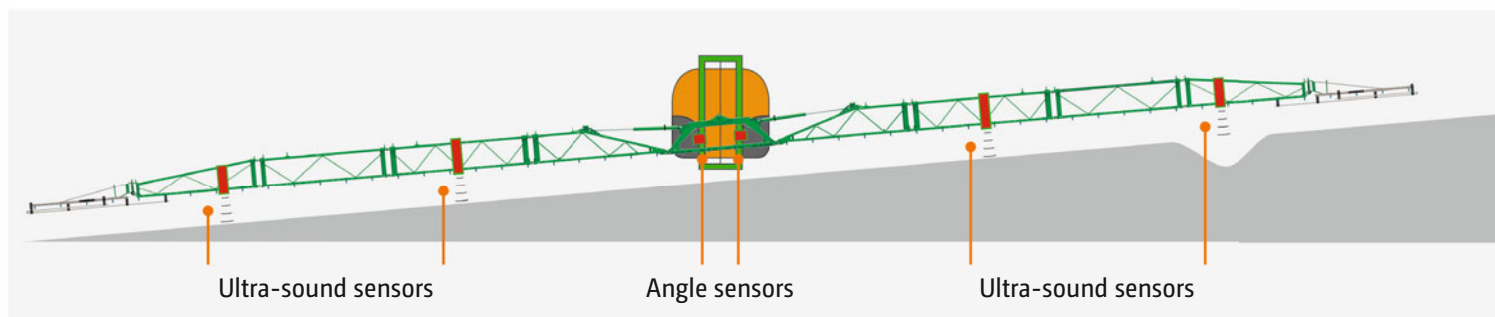
As an option for the Super-S boom, AMAZONE offers either DistanceControl fully automatic boom guidance with two sensors or DistanceControl plus with four sensors. In heavily differing crop heights, or in areas with partially lodged corn, it could be that the boom, when equipped with 2 sensors, dips into the crop. In this case equipping the boom with four sensors will prevent this. The driver is able to concentrate on correctly applying the plant protection agent, whilst the electronics optimise the boom guidance!

Benefits of the DistanceControl boom guidance

- Fully automatic boom guidance including boom height, tilt adjustment and boom lifting on the headland



Sensors precisely detect the target height distance and look after the operation



KEEP IT CLEAN

External wash kit

The optionally available spray lance allows the thorough external cleaning of the sprayer immediately after operation whilst still in the field. The 20 m hose reel enables effective cleaning with low water consumption.



Safety Kit

The personal protective equipment for handling plant protection agents

PLUS POINT

Profi-fold

Flexible and comfortable

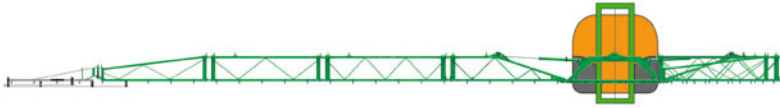
As an option for all Super-S booms, AMAZONE offers the Profi-fold electro-hydraulic actuation system. All hydraulic functions can be performed reliably and easily from the cab using the ISOBUS terminal. The multi-function joystick makes handling particularly comfortable.

Profi-fold 1:

Height adjustment, folding in/out, one-sided independent fold at reduced speeds (max. 6 km/h), boom width reduction, tilt adjustment.



Working width slightly reduced



Boom independent, one sided folding

Profi-fold 2:

In addition with variable geometry, individual boom tip angling.



Boom with individual tip angling



IMMEDIATELY AVAILABLE

DUS pressure recirculation system

You set the pace with DUS – proven over 10,000 times!

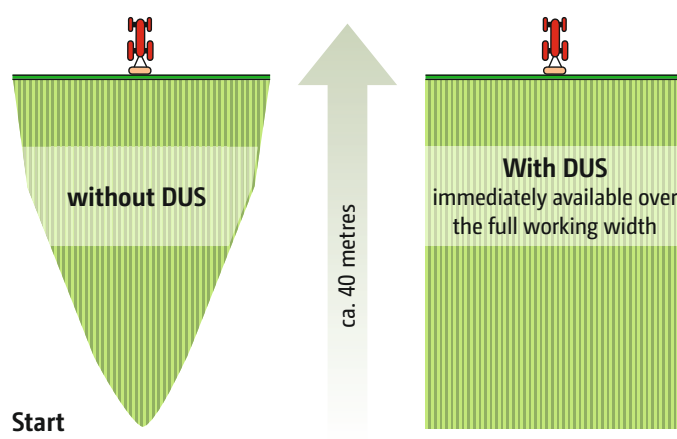
The AMAZONE DUS pressure recirculation system ensures a reliable circulation throughout the entire system. When starting the spraying operation, all the hoses including the spray lines are filled under pressure in the reverse direction with the mixed spray agent. This means the spray lines are always full and immediately ready to use over the entire working width. There is no waiting on the headland.

With DUS pro, the spray pressure is constant right up to each individual nozzle and always at the pre-set pressure. Thanks to the conical spray lines, minimal residual spray volumes are achieved.

Conical spray line:

The dimensions of the spray line vary along the boom

- Minimal residual spray volumes
- Even flow rate



ILLUMINATING

LED individual nozzle lighting

For maximum flexibility

Professional work lighting is today the basis of a flexible, output-increasing solution to operating in twilight and at night. LED individual nozzle lighting picks out each individual spray fan. An absolutely immediate assessment of their operation down to the very last nozzle on the boom can be made.

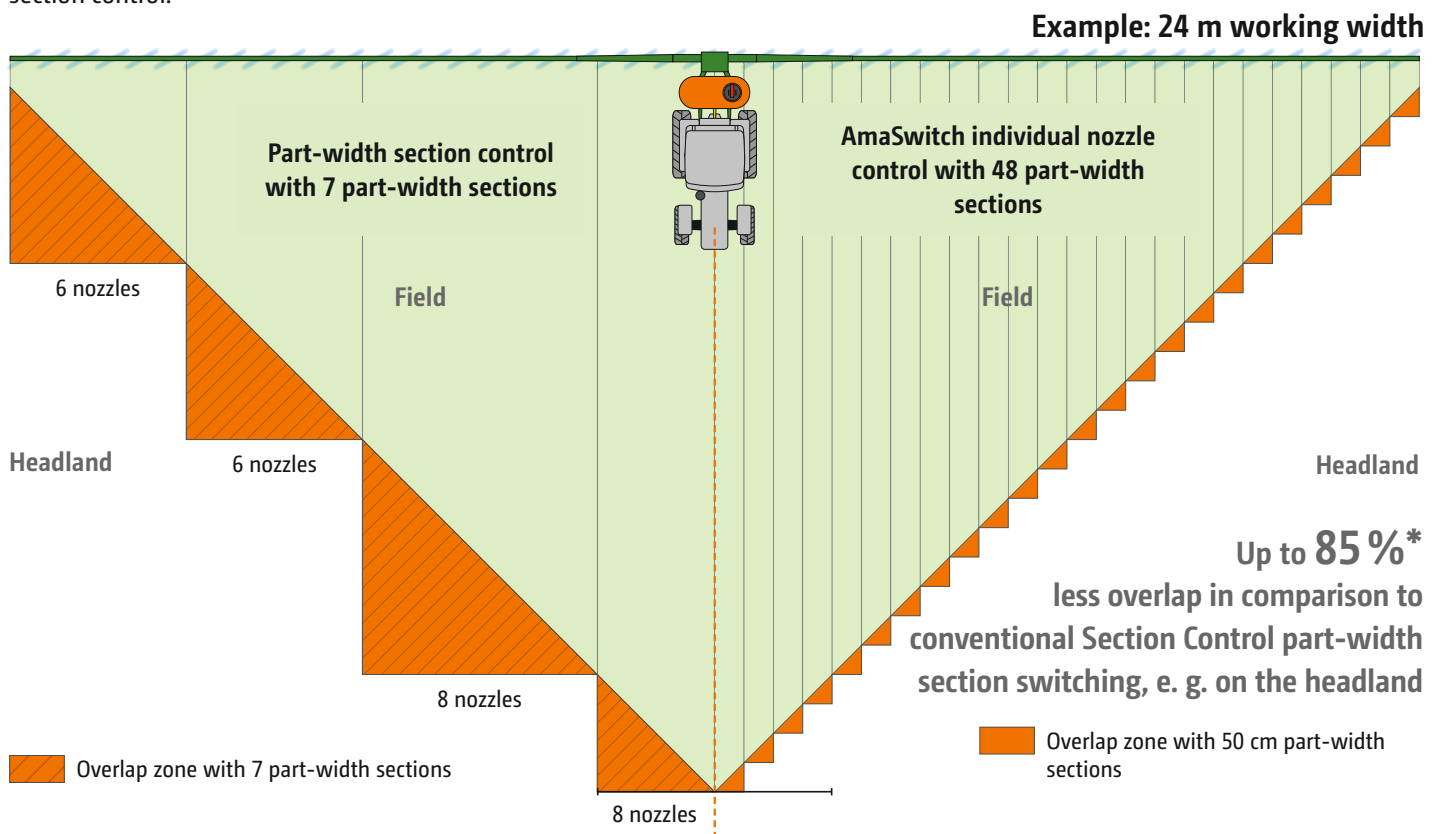


PROTECT THE ENVIRONMENT + SAVE

AmaSwitch individual nozzle control

Automatic 50 cm part-width section control for the UF 02 mounted sprayer

With AmaSwitch, AMAZONE offers the precise solution for automatic part-width section control on 50 cm sections. AmaSwitch is the ideal alternative for users who want to maximise the benefits of very precise switching in wedge shaped fields and areas of overlap, thanks to the 50 cm part-width section control.



Automatic part-width section control on the head-
land and in wedge shaped fields **GPS-Switch**

5%*

Reduction in
crop protection agent usage



* Savings are dependent on field shape,
boom width and the number of part-width
sections

Electric individual nozzle control

AmaSwitch

5%*

Additional reduction in
crop protection agent usage



VARIABLE

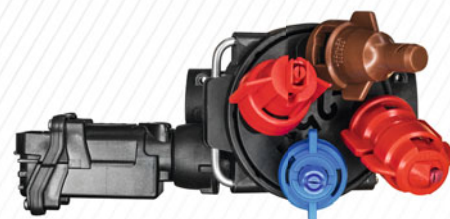
Nozzle bodies for every application

Triple nozzle body – with electric on/off switching

The technology behind AmaSwitch is based on a conventional, manually-rotated, triple nozzle body with electric individual on/off of the nozzles. The opening and closing is achieved via an electric valve which is fixed directly onto the nozzle body. In conjunction with GPS-Switch, it is therefore possible to very precisely switch 50 cm part-width sections in wedge shaped fields and on the headland. In addition to the automatic switching using 50 cm part-width sections, it is also possible to configure the amount of part-width sections from choice.



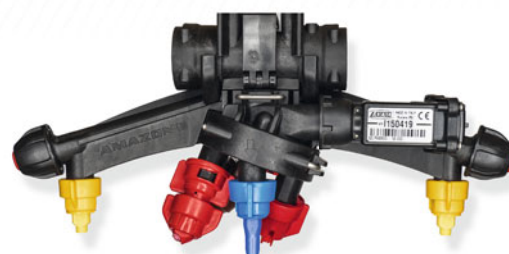
AmaSwitch triple nozzle body with electric individual nozzle shut-off



AmaSwitch quad nozzle body

Quad nozzle body – with an additional 25 cm nozzle spacing

In addition to the triple nozzle body, AmaSwitch electric individual nozzle control can also be equipped with a quad nozzle body. In addition, a true 25 cm nozzle spacing can be achieved with the aid of an optional extension kit. This offers the benefit, in combination with specific 80° nozzles, to reduce the boom to target surface distance down to less than 50 cm.



AmaSwitch with quad nozzle body and extension kit for a true 25 cm nozzle spacing

The systems in detail:

The benefits	Part-width section valves TG	Electric individual nozzle control	
		AmaSwitch Triple	AmaSwitch Quad
Multiple boom sections	up to 11	up to 60	up to 60
50 cm part-width sections	–		
Number of nozzles per nozzle body	1, 3	3	4
Manual nozzle switching			
Low pressure recirculation (DUS)		–	–
High pressure recirculation (DUS pro)	–		
25 cm nozzle spacing	–	–	
Individual programming of the part-width sections (TB)	–		
LED individual nozzle lighting			

Nozzle switching – system overview

= included

= optional

– = not possible



FANTASTIC

FT front tank

The affordable self-propelled sprayer with up to 3,500 litres

The FT front tank allows the tank capacity of the UF 02 mounted sprayer to be very easily extended by either 1,000 litres or 1,500 litres.

The benefits:

- › Improved driving stability on slopes due to the intelligent loading of the front axle
- › Extremely compact design thanks to the front linkage position – for better manoeuvrability in the field and safer road transport
- › FlowControl⁺ intelligent fill level management (optional) – for optimum weight distribution

FlowControl⁺ electronic fill level management

Operates just like using one large tank

The special feature of the FT front tank is the complete integration of the front tank in the mounted sprayer liquid circuit using the FlowControl⁺ electronic fill level management in the ISOBUS terminal. The technology behind FlowControl⁺ is the two electronic fill level indicators in the tanks and the two high-performance venturis.

The operator terminal controls the liquid circuit. Only when the fill level of the rear mounted sprayer reaches the 30% mark is the spray agent pumped from the front tank to the rear.



UF 02 mounted sprayer
with fill level sensor



FT front tank with fill
level sensor



IMPORTANT

Simple and comfortable operation

ProfiClick control box

ProfiClick offers the easy and precise operation of hydraulic functions of the boom, e.g. lifting and lowering, one-sided independent fold on the right or left, tilt adjustment.

AmaSpray⁺ user-friendly in-cab terminal

AmaSpray⁺ offers forward speed related rate regulation. As an option, AmaSpray⁺ enables one-sided folding of the boom or control of the end nozzle spraying systems.

- › Overall and part-width section control – up to 9 part-width sections
- › Digital pressure and fill level indicator
- › Display of boom position and lock status
- › Hectare meter (total and daily counters)
- › +/- 10% key for maximum and minimum rates
- › Job management



OR

TO PERFECTION ISOBUS terminal

AmaTron 4 ISOBUS terminal

Simple and convenient operation as intuitive as your tablet.

The 8" low-reflection multi-touch colour display allows easy reading and quick input of all the necessary information. Intuitive operation of the functions is guaranteed at all times either via the 12 keys or the touch display.

- › GPS-Switch basic: automatic part-width section control with up to 16 part-width sections, creation of a virtual headland, automatic boom lowering
- › GPS-Maps&Doc: documentation and the processing of application maps is easy and precise
- › GPS-Track: visual parallel guidance aid for easier driving

The AmaTron 4 ISOBUS terminal is universally usable for all ISOBUS machines from AMAZONE and also from other manufacturers.

AmaTron Twin Screen Enhancement

App for easy control of the GPS functions via a tablet in parallel with the machine operation on the AmaTron 4.





THE ALTERNATIVE: UF 01

The compact, professional sprayer in a lightweight design

- › Actual tank capacity 1,050 l or 1,350 l
- › Light and smooth polyethylene spray agent tank with favourable centre of gravity
- › Sprayer boom in a super-light, super-robust and super-compact profile design
 - Q-Plus boom from 12 m to 15 m
 - Super-S boom from 15 m to 24 m
- › Outstanding boom suspension for a smooth boom ride
- › SmartCenter – All the operating elements are provided directly on the front left of the driver's side and are arranged logically without the possibility of a mix-up, so that they are clear and easy to use
- › Maintenance-friendly self-priming piston diaphragm pump which can run dry
- › Induction bowl with venturi for quick, safe and accurate operation
- › Extendable by 1,000 litres with the FT front tank – for even higher outputs



UF 1201 mounted sprayer
with 15 m Super-S2 boom
Actual tank capacity 1,350 l



UF 901 mounted sprayer
15 m Q-Plus boom
Actual tank capacity 1,050 l

SmartCenter
adjustment centre

Induction bowl (55 l)

Parking wheels

Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required. The permissible axle loads and total weights of the tractor must be checked.



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