

RB / FLOS



ELIOS

Versatility, toughness and a wide range of accessories







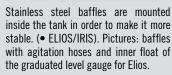


Rotating jets for an accurate washing of the main tank (O). These jets can be also used to improve the agitation of the product when the tank is full by facilitating the mixing of the chemical products poured into the mixer.





Extra hydraulic agitators and tank agitation system on the bottom of the tank through hoses with calibrated agitation jets (o Elios/Iris).







Dry graduated level gauge (• Elios).



Graduated level gauge (• Iris).



Electrical control unit



Tracking drawbar hitched to the tractor elevator arms (• Elios/Iris).



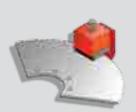
Fixed drawbar with adjustable height (• Elios/Riso).



Low pressure diaphragm pump 180 - 250 - 280 lt/min.



Homologated double drawbar (tracking and fixed) for Italian Street circulation (o Elios/Iris).



Brake damper kit for mechanical tracking drawbar (o). It makes the machine stable on irregular grounds and on the road. (If trailed machines with tracking drawbar are allowed on the road).



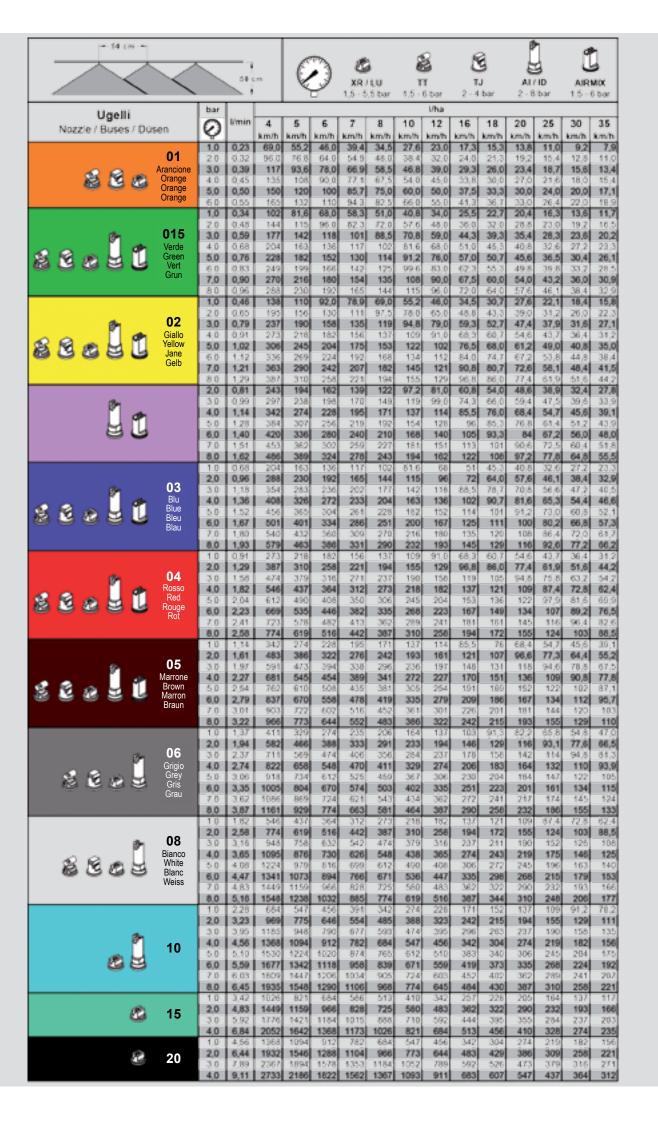
8 hole hubs (o Elios/Iris).



Independent hydraulic system: for using the machine without tractor hydraulic system. Please note: this fitting requires necessarily the hydraulic electrovalves 4-5 or 7 functions (Elios/Iris).







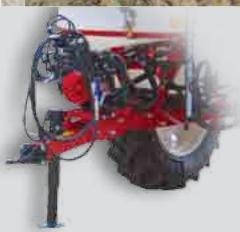


It is a value for a trailed machine not to damage the treated crops. Thus, it is important that the sprayer wheels exactly follow the tractor wheels' track. For this reason, Bargam supplies Elios and Iris with the Tracking drawbar as standard equipment.

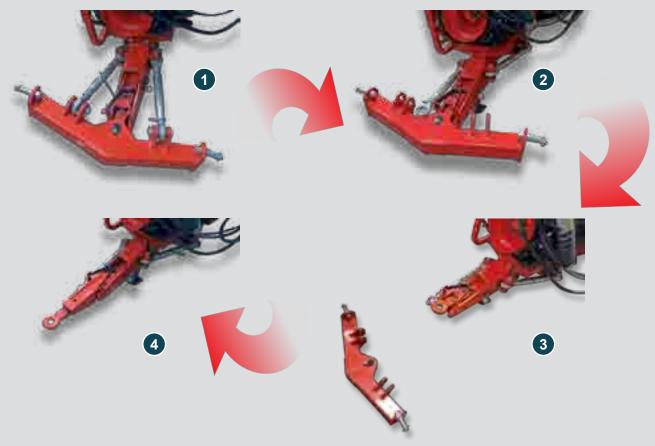




Tracking drawbar. It is a "permanent" mechanical joint, adjustable with the tractor, which allows to perfecty follow the tractor wheels and to minimize the impact on the grounds (see picture 1).



Fixed drawbar. It grants the sprayer stability in every difficult condition, such as on sloping grounds, on the road or on rice fields. The fixed drawbar is standard on the Elios version for rice filelds (Elios Riso).



Steering drawbar for Italian Homologation. This "double" drawbar has been conceived for Italian road traffic and, in 4 easy steps, can be turned from a tracking drawbar (for work) into a fixed drawbar (for road traffic).



1. CUSTOMISED WEIGHT BALANCE, WHEELS SINKING REDUCTION

The axle can be mechanically adjusted in length in order to ensure an otpimal weight balance. By pivoting on the axle, the sprayer has not all its weight on the trail eye and better "floats" on rice fields.

2. METAL CORE

All the aspiration system pipes have a metal core (not rubber) in order to keep the inlet water flow section unchanged.

3. SPACER FOR IRON WHEELS

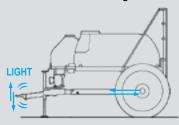
A special spacer is mounted on the boom between the height adjustment and the frame in order to equip the machine with bigger wheels, such as the iron wheels with D=1950 mm.

4. EASY MAINTENANCE

The aspiration filter is positioned on the front side of the machine to make the routine maintenance easier and to protect it against accidental damage.

5. PROTECTION SHEET

The tank is fitted with a protection sheet in its lower part to safeguard the emptying valves from damages if the machine sinks into the ground.



12 MT.



ECO BDM

G A A	ECO BDM				
	12m	14m	15m	16m	18m
A (mm)	2480	2210	2490	2490	2770
B (mm)	300	330	330	330	330
C (mm)	430	680	680	680	680
Kg	68	93	109	110	130



Self-levelling device MEC SPECIAL for booms max. 12 m width

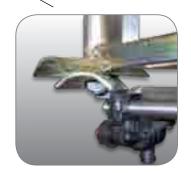
Self-levelling device SPECIAL for booms over 14 m width



15 MT.

16 MT.





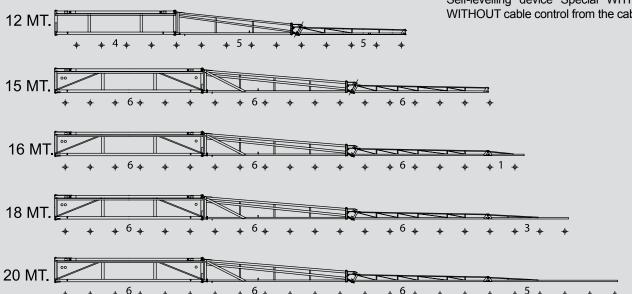


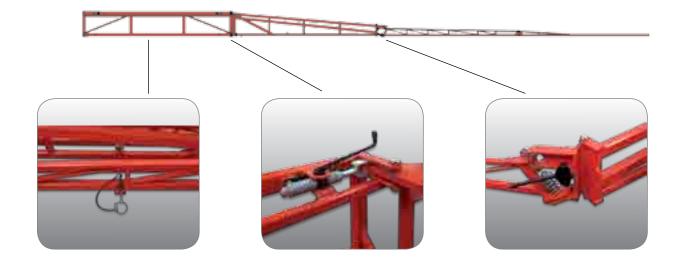


B A	BDM				
100	12m	15m	16m	18m	20m
A (mm)	2450	3000	3000	3000	3000
B (mm)	530	530	530	530	530
C (mm)	580	580	580	580	580
Kg	131	135	187	194	201



Self-levelling device Special WITH/WITHOUT cable control from the cab





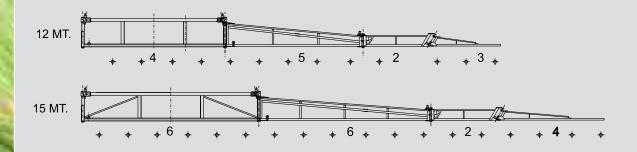




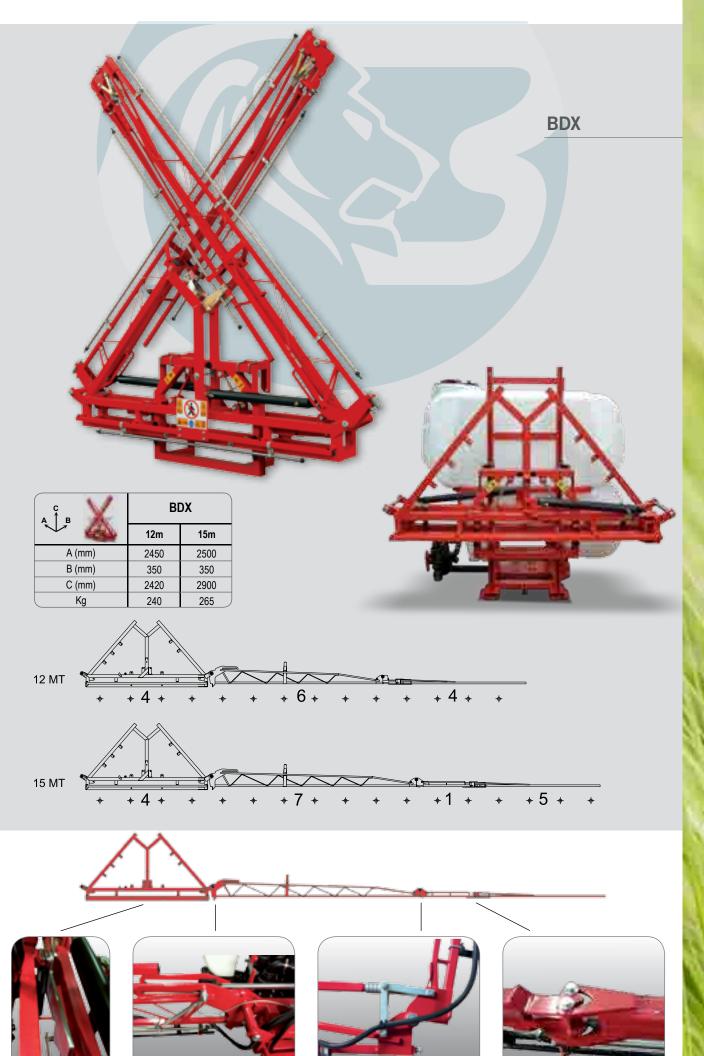




Self-levelling device Special WITH/WITHOUT cable control from the cab

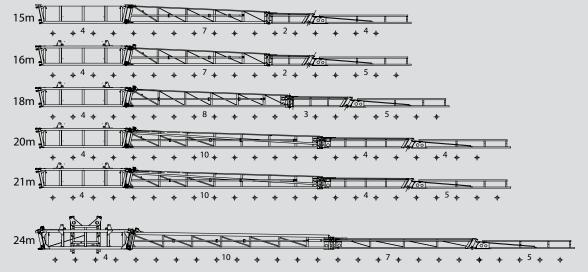


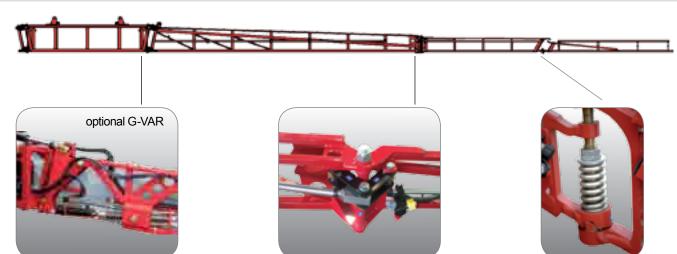




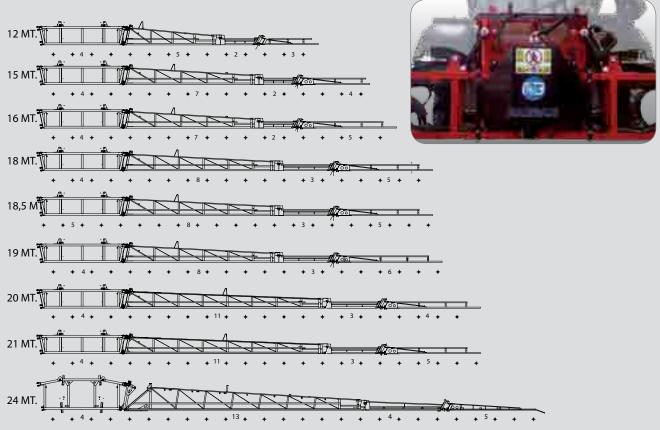


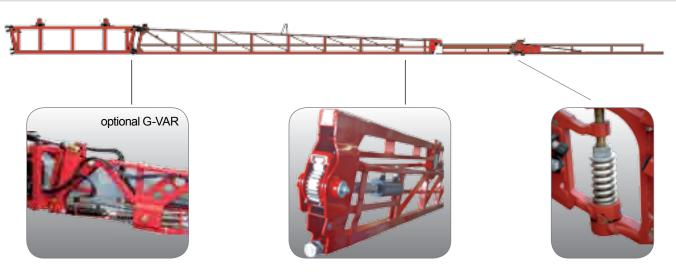














vention.

With the manual control unit, the general valve and the water sections are manually regulated. With the control unit with electric On/ Off, the general water switching-on/off is electrically regulated, while the single water sections are manually controlled.

The totally electric control unit enables the electrical regulation of both the general valve and water sections.

Water control unit	Model	Main valve (ON/OFF)	Pressure control valve	Boom section valves	Adjustable backflow	Line filter
*Optional only on machines without CE declaration	UCM Costant pressure distribution (DPC)	MANUAL	-	MANUAL	-	-
War and the second	IDROMINUS Manual control unit (DPMI)	MANUAL	MANUAL	MANUAL	YES	YES
************	ELECTRIC ON/OFF Proportional control unit (DPMI)	ELECTRIC	MANUAL	MANUAL	YES	80MESH
	TOTALLY ELECTRIC Proportional control unit (DPMI)	ELECTRIC	ELECTRIC	ELECTRIC	YES	80MESH



Manual control unit UCM



Control unit with electric On/Off



Electric control unit with electric valves



Water sections electrovalves

The use of electronic devices is significantly important to enable an automatic and accurate homogeneous chemical application and to avoid waste.

The right choice of an electronic control device ensures considerable economical and practical advantages.

For its land working machines, BARGAM has always offered the best solutions available worldwide, in order to meet the needs of its customers.

Every Spray Computer (see table below) can control the quantity (I/ha) sprayed on the area being treated.

If the spray rate is pre-set, the Computer monitors auto-

matically the pressure in relation to the current speed to ensure a constant spray.

Also in case of partial closure of the boom sections, the computer maintains a homogeneous spray.

The Spray Computer shows the following machine data:

- spray liquid liter/hectare
- spray liquid liter/minute
- spray liquid liters
- total spray liquid liters
- treated area
- total treated area
- **■** current speed
- total covered distance



Standard S-Plus Bargam

The range of Spray Computers and the available

Water sections max Hydraulic sections max Standard 7 S-plus 7 Bargam 9 9



Teejet centerline



Track guide with maps

Satellite guide monitor with external receiver

They are easily installed on every kind of tractor independently from the water control system installed on the sprayer.



TAPS AND VALVES

MIXER

Self-cleaning filter

Agitation

BOOM

Water system

The standard water system supplied already complete in its basic configuration can be complemented with Optional accessories. Bargam designers have optimized the system pipelines and componentry in order to ensure the highest water flow rates with minimized final residues.

- 1 SPRAYER FILLER PUMP
- 2 TANK WASHER

Filling Up

External cleaning

- 3 STIRRING SYSTEM
- 4 CLEAN WATER TANK
- **5 MAIN CONTROL VALVE**
- 7 MIXER

Working

Internal cleaning

8 - EQUIPMENT WASHING

TANK

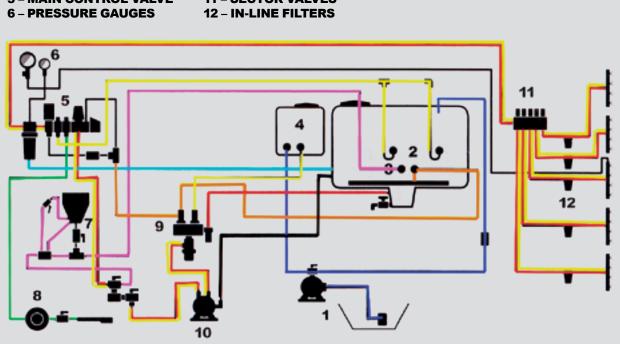
PUMP

9 – MAIN TAPS AND VALVES

CLEAN WATER

DIAPHGRAM

- **10 DIAPHGRAM PUMP**
- 11 SECTOR VALVES



Safety valve

Mixer



AIRASSISTED is a device for 12 to 24m BDLA booms

Advantages

This device makes to possible to work also n 6/8 mVsec strong winds, making the machine less dependent on surrounding weather conditions.

Drift is minimized to virtually zero levels (reduced by 90% in most treatment cases).

An air thrust up to 32 mVsec ensures good penetration also in tall crops or thick foliage crops spraying is increased by as much as 8/10 times, enhancing the effectiveness of the deliv- ered products; this enables to reduce the cost of chemicals by 30/50%.

By reducing the litres per hectare used, the machine working range dramatically increases, resulting in time and money savings.

The AIR- ASSISTED fl ow control system can also be used when **only** half of the boom is unfolded.

The air flow/air rate can be adjusted from the driver's control seat.

Working without air is also a possibility



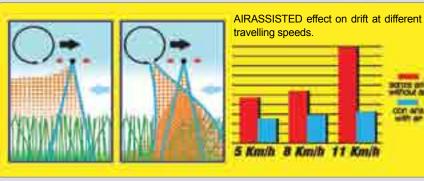
*left:*turbine for 12 to 24 mt booms

lower left: oil tank BDLA

lower right: turbine cooler BDLA













	IRIS	ELIOS	ELIOS RISO	
Main tank It	1700 - 2200 - 2700	2200 - 2700 - 3000	2200 - 2700	
Clear water tank		•	•	
Clothes holder	• Compaisory for Lo directive	•	•	
Low pressure pump lt/min	130 - 160 - 180 - 250	131 - 160 - 180 - 250	250	
30 It Mixer with spring assisted mobile support	o	o	•	
Standard drawbar	Tracking drawbar (●)	Tracking drawbar (●)	Fixed drawbar with adjustable height D=35mm	
Height adjustment	1000 mm with manual winch (back-folding booms) 1200/1500 mm Hydraulic (BDL booms)	1000 mm with manual winch (back-folding booms) 1200/1500 mm Hydraulic (BDL/BDLA/BDLAIR)	1200 mm hydraulic	
Self-levelling device	Different options depending on boom/machine equipment	Different options depending on boom/machine equipment	with cable locking hydraulic	
Standard water control unit	Manual proportional 5 way** (BDL)	Manual proportional 5 way** (BDL/BDLA/BDLAIR)	Electrical proportional 5 way	
H2O + OIL Computer	0	0	0	
Variable track axle	1400/1800 – 1800/2100 (by reversing the wheels)	1400/1800 – 1800/2100 (by reversing the wheels)	1600/2200 – 1900-2500 (by reversing the wheels)	
Variable geometry	0	0	0	
Airassisted	-	0	0	
ECO BDM	-	⋄	-	
BDM	*	ॐ	-	
BDI	~	◇	-	
BDX	~	*	-	
BDL	>	>	◇	
BDLA	-	₩	0	

^{*} It is possible to have a machine without CE declaration by simply not choosing the optional ** Minimum compulsory requirement in all machines with CE declaration

• standard









BARGAM SPA

Via della Cooperazione, 20 - 40026 Imola (BO) - Italy Tel. +39 0542 648511 - Fax +39 0542 640539



BARGAM SPA Via G.Pastore, 5/A - 60035 Jesi, (AN) - Italy







