

MARREL



OPTIONS OVERVIEW
AMPLIROLL®



FOCUS ON MARREL RANGE AMPLIROLL® HOOKLIFT



AMPLIROLL® HOOKLIFTS ASSETS

POWER

Unmatched lifting capacity, thanks to Marrel's exclusive tilting frame.

VERSATILITY

A wide range to cover every application and industry.

RELIABILITY

Robust and durable design for optimized maintainability.

A SOLUTION FOR EVERY MARKET

Whatever your need, Marrel offers you the model that suits you. Our range includes hooklifts with lifting capacities from 3 to 26 tons, to meet the different challenges you face in your day-to-day work.



Municipalities - SME's



Waste Management



Construction



Agriculture

Ampliroll®
URBAN

A range designed for tradesmen, SMEs, and communities... Adapted to LCVs and 7.5 to 10 T GVW trucks.

[Know more >](#)

AL3PA > AL5

Ampliroll®
FLEX

The Ampliroll® hooklift that brings great versatility to light rigid trucks.

[Know more >](#)

AL6 > AL12

Ampliroll®
HIGH

The ideal range for companies in the recycling, environmental, construction and agricultural sectors.

[Know more >](#)

AL14 > AL26

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SUMMARY



MARREL CONTROLS
AND AVAILABLE OPTIONS



AVAILABLE CONTROLS OVERVIEW

URBAN AL3PA > AL5

STANDARD

Electric Cabin Control
with digital display
-12V or 24V (to choose)



FLEX AL6

STANDARD

Electric Cabin Control
with digital display
-12V or 24V (to choose)



OPTION

Pneumatic Cabin Control (VAL01287)
supplied with a control status panel



FLEX AL8 > AL12

STANDARD

Pneumatic Cabin Control
supplied with a control status panel



OPTIONS

Electro-pneumatic Control (VAL02060)
wired cabin control

OR

Electro-pneumatic Radio Control (VAL02061)



AVAILABLE CONTROLS OVERVIEW

HIGH
AL14 > AL26

NEW!

Find the available MARREL controls within the **AMPLI'DRIVE** packs.
For each offer, a standard control is proposed
- and one or several additional ones are available as options.

HIGH START PACK

The historic MARREL solution with **100% pneumatic controls & directional valves.**



HIGH OPTI PACK

The ideal solution with **electric controls at a competitive price.**



HIGH PRO PACK

The **latest innovations** including ergonomics and proportional movement.



FOCUS ON PACKS

HIGH START PACK

STANDARD

Pneumatic Standard Drive (VAL04252)
Pneumatic Cabin Control
- Lightweight and easy to move
- Supplied with control status panel

OPTION

Pneumatic Ergo Drive (VAL05600)
Pneumatic Cabin Control
- Robust and ergonomic
- Compact size
- Supplied with control status panel



AMPLI'DRIVE

HIGH OPTI PACK

STANDARD

Electric Standard Drive (VAL04253)
Electric Cabin Control
- Option: Control status panel



OPTIONS

Electric Fit Drive (VAL05602)
Electric Cabin Control
- 2 levers (arm and jib)
- Customized digital screen
- Monitoring: cycles & PTO counter
- Control status panel included



Radio Fit Drive (VAL05604)

Radio Control
- Supplied only in option with Electric Fit Drive
- 100m reach and 120h autonomy
- Control status panel included



AMPLI'DRIVE

HIGH PRO PACK

STANDARD

Electric Fit Drive (VAL05534)
Electric Cabin Control
- 2 levers (arm and jib)
- Customized digital screen
- Monitoring: cycles & PTO counter
- Control status panel included



OPTION

Radio Fit Drive (VAL05502)
Radio Control
- Supplied only in option with Electric Fit Drive
- 100m reach and 120h autonomy
- Control status panel included



AMPLI'DRIVE

AMPLIROLL® HOOKLIFTS CONTROLS ADD-ONS & OPTIONS



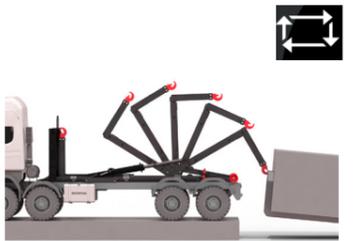
PRODUCTIVITY



FAST SPEED

Time saving when the hook is deployed backwards or when setting down empty boxes (+50% productivity).

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO > VAL03039		



SEQUENCE MODE



Time saving and ease of use thanks to the automation of several movement sequences (RUP-Hydraulic lock- Jib-Arm).

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO > VAL03232 (Standard Drive) VAL05607 (Fit Drive)		
OPTI PRO > VAL05504 (Fit Drive)		



HOOK HEIGHT ADJUSTMENT



Time saving thanks to an optimised hook approach to match the right box height.

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO > VAL05785 (Fit Drive) VAL05784 (Fit Drive)		

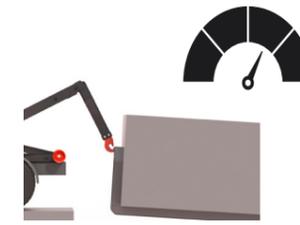


REMOTE BY-PASS BUTTON

Responsiveness in case of troubleshoot or emergency thanks to a remote button on the vertical box to activate the by-pass and intervene more quickly.

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO > VAL05515 (Fit Drive)		

AMPLIROLL® HOOKLIFTS CONTROLS ADD-ONS & OPTIONS



RPM+ ENGINE SPEED

Benefit from a ponctual higher engine speed threshold when needed for setting down, picking up and tipping return operations.

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO > VAL05788 (Fit Drive)		

NOISE REDUCTION



FREEGLIDE

Frictionless box movement on the truck.

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO > VAL05505 (Fit Drive)		

This option requires that the equipment to be fitted with **sliding pads** (VAL05605).



ENGINE START-STOP

Noise reduction thanks to the engine start and stop option - only available with the Radio Fit Drive.

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO > VAL05514		

SAFETY



SENSOR FOR LIMITATION OF THE TIPPING ANGLE



Manoeuvre safely with tilt angle detection which in case of need stops the extension of the cylinders and protects your equipment.

URBAN AL3PA > AL5	FLEX AL6 > AL10	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO > VAL03142 VAL05516		

AMPLIROLL® HOOKLIFTS
CONTROLS
ADD-ONS & OPTIONS



CONVENIENCE / VERSATILITY



ELECTRICAL BUTTON FOR WORKING LIGHT (+1 LIGHT PROVIDED)

Can be connected to the electronic card.
3 max connections with in-cab selector (not supplied).

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO ✓ ✓ ✓	START > VAL03039	OPTI VAL03039 (Standard Drive) VAL05517 (Fit Drive)
		PRO VAL05517 (Fit Drive)



ELECTRICAL ACTIVATION FOR CRANE CIRCUIT

Activate the crane circuit on the Marrel control
- in the back of the cabin or on cradle.

URBAN AL3PA > AL5	FLEX AL6 > AL12	HIGH AL14 > AL26
AMPLI'DRIVE START OPTI PRO ✓ ✓ ✓	START > VAL03040	OPTI VAL03040 (Standard Drive) VAL05519 (Fit Drive)
		PRO VAL05519 (Fit Drive)



ACCESSORIES



HOLDER FOR THE «ELECTRIC FIT DRIVE»
Short clamp.

HIGH AL14 > AL26	AMPLI'DRIVE START OPTI PRO ✗ ✓ ✓	OPTI PRO > VAL05609 (Fit Drive)
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HOLDER FOR THE «ELECTRIC FIT DRIVE»
Long with hose.

HIGH AL14 > AL26	AMPLI'DRIVE START OPTI PRO ✗ ✓ ✓	OPTI PRO > VAL05503 (Fit Drive)
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EQUIPMENT CONFIGURATION
HOOKS





Marrel's hooks' wide range allows you to adapt to different container heights while ensuring a secure grip.

Depending on your needs, add a mechanical or pneumatic safety latch, or opt for our specific hooks: hook with large opening, hook for stackable containers, or steel backing hook.

HIGH
AL14 > AL26

Discover the full range of MARREL products below:



STEEL HOOKS

Height of the lifting ring (mm)					
	1425	1480	1500	1570	1600
Without safety latch	VAL03000	VAL03001	VAL03002	VAL03003	VAL03004
With mechanical safety latch	VAL03501	VAL03502	VAL03503	VAL03504	VAL03505
Steel backing hook with mechanical safety latch	VAL05860	VAL05861	VAL05862	VAL05863	VAL05864

CAST HOOKS

Height of the lifting ring (mm)					
	1425	1480	1500	1570	1600
With pneumatic safety latch	VAL03018	-	-	VAL03019	-
Without safety latch	VAL03500*				

*Standard hook available on Ampliroll® hooklifts

SPECIAL HOOKS

Height of the lifting ring (mm)					
	1425	1480	1500	1570	1600
Steel hook with large opening without safety latch	VAL03021	-	-	-	-
Steel hook for stackable containers without safety latch	VAL03022	-	-	-	-



1 STEEL HOOKS

Marrel offers three steel hooks adapted to each container height. **Durable hooks that are easy to remove** if replacement is necessary.



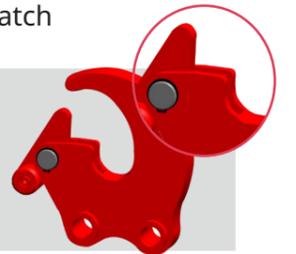
Without safety latch



With mechanical safety latch



ZOOM: Steel backing hook with mechanical safety latch
Protection of the mechanical safety catch during container loading/unloading operations.



2 CAST HOOKS

Marrel offers cast hooks for container heights of 1425 and 1570 mm. Hooks supplied with **pneumatic safety latch**.



HT 1425 - Welded hook



HT 1570 - Removable hook

3 SPECIAL HOOKS

Marrel offers **two special hooks** with a height of 1425 mm - without safety latch.



Steel hook with large opening
Increased pit grip thanks to greater gripping width



Steel hook for stackable containers
Better ring support during the containers stacking sequence



EQUIPMENT CONFIGURATION
CONTROL BOXES



AMPLIROLL® HOOKLIFTS
EQUIPMENT CONFIGURATION
CONTROL BOXES



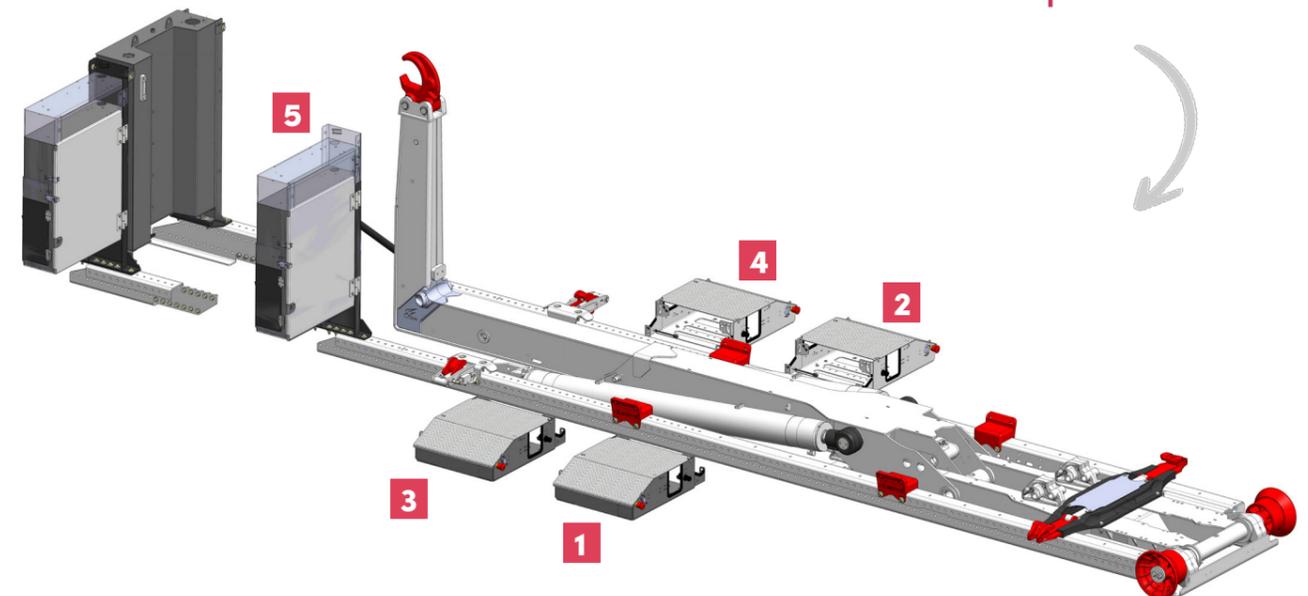
HIGH
AL14 > AL26

The hydraulic control boxes contain the main distribution unit as well as the electrical and pneumatic controls. Several positions are available depending on the **Ampli'Drive Packs**.



ZOOM: View of all possible positions of the control box on an AMPLIROLL® hooklift.

Consult the table below to identify the code for the box you are interested in.



HIGH
START PACK

	Left side (1)	Right side (2)	Left side moved +1m (3)	Right side moved + 1m (4)	Vertical at the front on left side (5)**
S Range	STANDARD	VAL02083	VAL02204S*	VAL02205S*	VAL02202
SL Range	STANDARD	VAL03502	VAL02200	VAL02201	

*Only for AL14S to AL26S with a length starting from 5800 mm
**Up 9 functions - Steel oiltank at the front (right side) available as option

HIGH
OPTI PACK

	Left side (1)	Right side (2)	Left side moved +1m (3)	Right side moved + 1m (4)	Vertical at the front on left side 6 or 9 functions (5)**
S Range	STANDARD	VAL05614	-	-	6 fonctions: VAL05616
SL Range	STANDARD	VAL05614	VAL05786	VAL05787	9 fonctions: VAL05617

***Oiltank at the front (central position) available as option

HIGH
PRO PACK

	Left side (1)	Right side (2)	Left side moved +1m (3)	Right side moved + 1m (4)	Vertical at the front on left side 6 or 9 functions (5)**
S Range	STANDARD	-	VAL05508	-	6 fonctions: VAL05509
SL Range	STANDARD	-	VAL05508	-	9 fonctions: VAL05510

***Oiltank at the front (central position) available as option



Which optional control box should you choose ?

Marrel equipment comes standard with a left-side control box.
See below to find out when to choose the other available configurations.

2 RIGHT-SIDE CONTROL BOX

If the truck's fuel tank is located under the left trunk.

URBAN
AL3PA > AL5

FLEX
AL6 > AL12

HIGH
AL14 > AL26

AMPLI'DRIVE
START OPTI PRO
✓ ✓ ✗ > See details on page 15



Note: The box can be lowered using the adapter brackets (ref. 120396X)

3 +1M MOVED FORWARD CONTROL BOX

When the traditional assembling on truck is not possible.
Left or right side depending on the Ampli'Drive Pack chosen.

URBAN
AL3PA > AL5

FLEX
AL6 > AL12

HIGH
AL14 > AL26

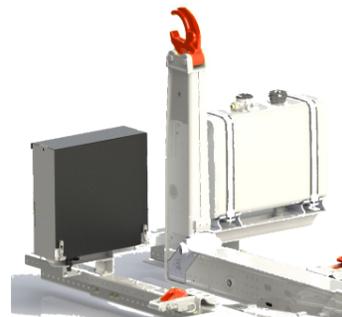
AMPLI'DRIVE
START OPTI PRO
✓ ✓ ✓ > See details on page 15



Note: The box can be lowered using the adapter brackets (ref. 120396X)

5 FRONT VERTICAL LEFT-SIDE CONTROL BOX

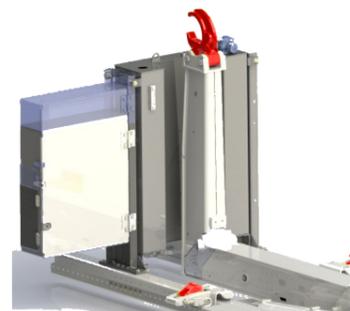
Frees up the assembling area while remaining compatible with a crane behind the cab. Preferred solution for electric or gas-powered vehicles.
NOTE: Can be fitted alongside a compact flat oiltank in the front area.



HIGH
START PACK

Front oiltank
(right-side)

Steel: VAL05831
Alu: VAL05835



HIGH
OPTI PACK

HIGH
PRO PACK

Front oiltank
(central)

Steel: VAL05513

URBAN
AL3PA > AL5

FLEX
AL6 > AL12

HIGH
AL14 > AL26

AMPLI'DRIVE
START OPTI PRO
✓ ✓ ✓ > See details on page 15





HIGH
AL14 > AL26

An hydraulic line is an additional valve installed on your Ampliroll® to enable hydraulic power to be supplied to a second equipment installed on a truck (crane, tipper trailers, doors...). Several hydraulic lines are available depending on the **Ampli'Drive Packs**.

1 HYDRAULIC LINES - FROM FACTORY

Three types of hydraulic lines can be installed from factory:

- Crane supply
- Tipper trailer rear supply or hydraulic rear door supply
- Additional directional valve supply

The hydraulic lines supplies can be controlled manually or using the controls available on the hooklift, depending on the Ampli'Drive Pack selected.



Supply for crane hydraulic line					
AMPLI'DRIVE		Manual Single circuit	Pneumatic Single circuit	Pneumatic Double circuit	Pneumatic Crane on skip
AMPLI'DRIVE	HIGH START PACK	VAL03330	VAL03331	VAL03332	VAL03334
	HIGH OPTI PACK	VAL03330	VAL05874	VAL05875	VAL05876
	HIGH PRO PACK	VAL05531	VAL05532	VAL05533	VAL05521

Supply for rear additional hydraulic lines				
AMPLI'DRIVE		Tipper trailer Single acting	Tipper trailer Double acting	Rear door Double acting
AMPLI'DRIVE	HIGH START PACK	VAL03337	VAL03340	VAL03343
	HIGH OPTI PACK	VAL05879	VAL05881	VAL05883
	HIGH PRO PACK	VAL05523	VAL05525	VAL05527

Supply for an additional directional valve supply				
AMPLI'DRIVE	Additional directional valve *	Equipment's controls (START: Pneumatic / OPTI or PRO: Electric or Combo with radio)		
AMPLI'DRIVE	HIGH START PACK	VAL03041	Standard Drive: VAL04252	Ergo Drive: VAL05600
	HIGH OPTI PACK	VAL05890	Electric Fit Drive: VAL05602	Combo Pack: VAL05604
	HIGH PRO PACK	VAL05512	Electric Fit Drive: VAL05534	Combo Pack: VAL05502

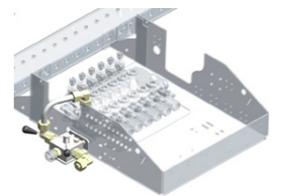
*Step 1: Choice of the right VAL relating to the Ampli'Drive pack - Step 2: Add a second VAL for the right control



**1 HYDRAULIC LINES - FROM FACTORY
CRANE SUPPLY**

**HYDRAULIC LINE - REAR CAB MOUNTED CRANE
MANUAL**

The hydraulic line is manually selected by the operator (Crane or Ampliroll®). Can be fitted with a side or vertical box.



**HYDRAULIC LINE - REAR CAB MOUNTED CRANE
(PNEUMATIC)
SINGLE OR DOUBLE CIRCUIT**

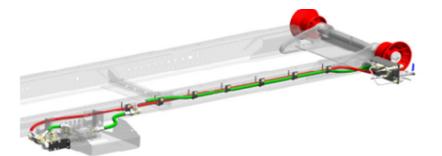
The operator selects the circuit to be used (Crane or Ampliroll®) on the associated control panel in the cab (depending on the Ampli'Drive Pack). Can be fitted with a side or vertical box.



Double circuit configuration

**HYDRAULIC LINE FOR CRANE ON SKIP
SINGLE CIRCUIT**

The operator selects the circuit to be used (Crane or Ampliroll®) on the associated control panel in the cab (depending on the Ampli'Drive Pack). Can be fitted with a side or vertical box.



Assembly with side control box

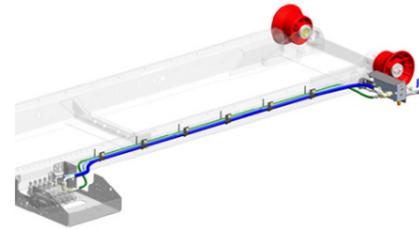




1 HYDRAULIC LINES - FROM FACTORY
REAR ADDITIONAL HYDRAULIC LINES

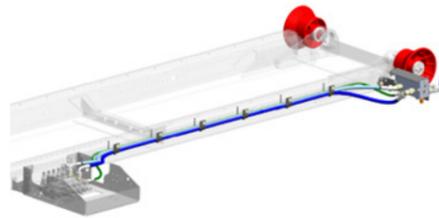
**HYDRAULIC LINE FOR TIPPER TRAILER
SINGLE ACTING**

The operator selects the circuit to be used and controls the movement from the cab.
Can be fitted with a side or vertical box.
For trailers equipped with single-acting cylinders (i.e. lifting under pressure/lowering by gravity).



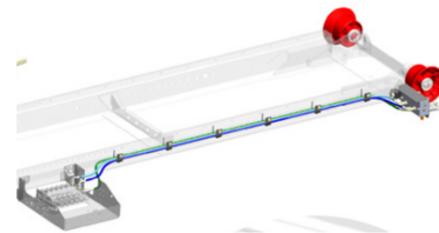
**HYDRAULIC LINE FOR TIPPER TRAILER
DOUBLE ACTING**

The operator selects the circuit to be used and controls the movement from the cab.
Can be fitted with a side or vertical box.
For trailers equipped with double-acting cylinders (i.e. lifting and lowering under pressure).



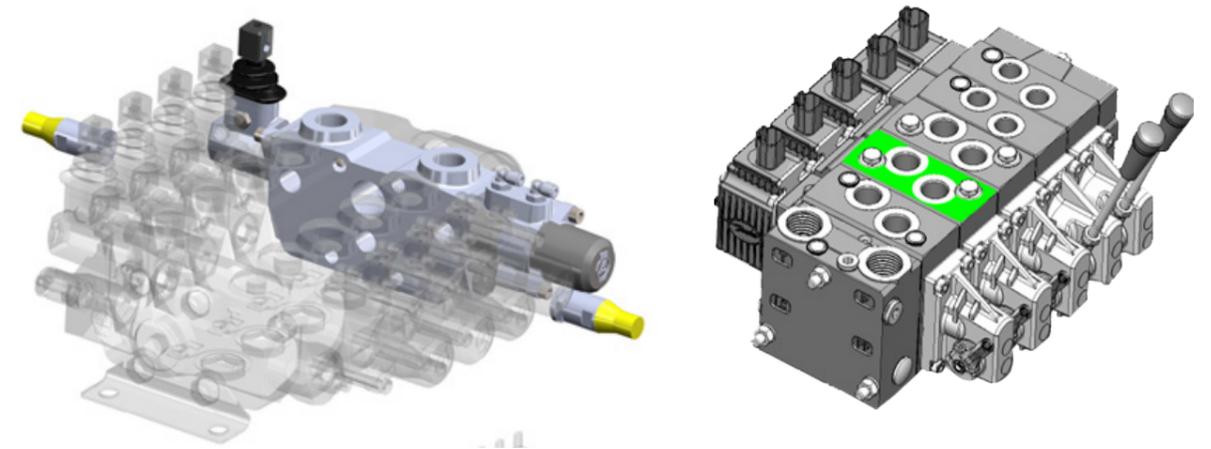
**HYDRAULIC LINE FOR REAR DOOR
DOUBLE ACTING**

The operator selects the circuit to be used and controls the movement from the cab.
Can be fitted with a side or vertical box.
Use for double acting (i.e. opening and closing under pressure).



1 HYDRAULIC LINES - FROM FACTORY
ADDITIONAL VALVE HYDRAULIC LINE

The option consists of adding a closed-center section to the distribution unit to control a double acting hydraulic function.
The operator selects the hydraulic line circuit and controls the movement from the cab.



Additional valve on Standard Distribution Group
HIGH START PACK HIGH OPTI PACK

Additional valve on Soft Power Distribution Group
HIGH PRO PACK

If you would like to opt for that option:

Step 1: Choose the reference of the additional valve according to the Ampli'Drive pack installed on your equipment (START or OPTI or PRO).

NOTA START & OPTI PACK: Possibility to choose up to 2 relief valves (A and B)

VAL03042	** SELECTION RELIEF VALVE CARTRIDGE - PORT A : P = 85 - 175 BAR
VAL03043	** SELECTION RELIEF VALVE CARTRIDGE - PORT A : P = 180 - 250 BAR
VAL03044	** SELECTION RELIEF VALVE CARTRIDGE - PORT A : P = 255 - 350 BAR
VAL03045	** SELECTION RELIEF VALVE CARTRIDGE - PORT B : P = 85 - 175 BAR
VAL03046	** SELECTION RELIEF VALVE CARTRIDGE - PORT B : P = 180 - 250 BAR
VAL03047	** SELECTION RELIEF VALVE CARTRIDGE - PORT B : P = 255 - 350 BAR
VAL03061	** RED CATCH LEVER FOR CRANE OR SEPERATE HYD CIRCUIT

Step 2: Choose a second reference relating to the control supplied with your Ampliroll® hooklift (Pneumatic or Electric or Electric + Radio).