



CATALOG

PNEUMATIC BRAKE AND
SUSPENSION SYSTEMS
FOR TRAILERS AND
SEMITRAILERS



A **SAFER** FUTURE





Brex was founded in 2005 and is located in the city of Rio de Janeiro. It is the South American Company leader in the production of pneumatic components for the brake and suspension systems for commercial heavy-duty vehicles, such as trailers and semitrailers. Our engineering is equipped with high-tech softwares for product development and also state-of-the-art electronic tests in the production line.



SPECIALIZED
TECHNICAL ASSISTANCE



FAST DELIVERY

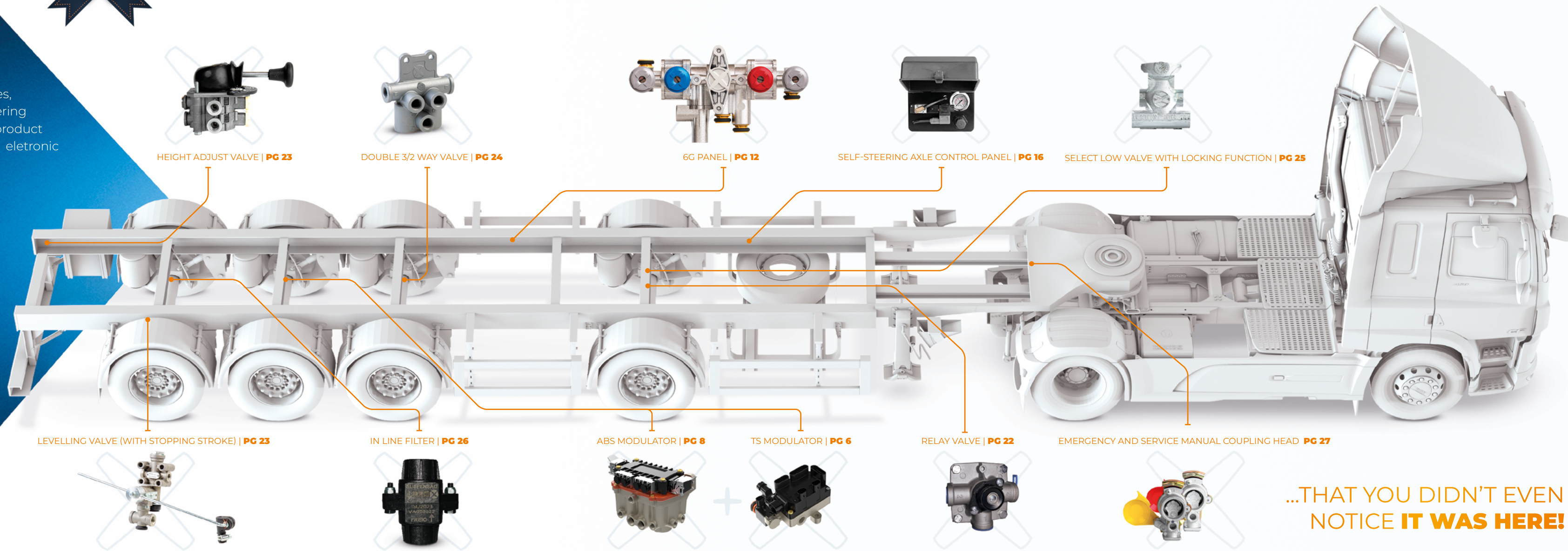


EFFICIENT
AFTER SALES



All of our products are carefully inspected and tested, meeting the **strict requirements of both Brazilian and European ECE 13 Automotive standards.**

A TECHNOLOGY
THAT WORKS SO
PERFECTLY ...



...THAT YOU DIDN'T EVEN
NOTICE **IT WAS HERE!**

Supplier in 4 of the top 5 OEM in Latin America, choosing Brex you will have a solid partnership counting with more than 20 years of experience in this market.

Brex produces components that are carefully tested and inspected before the factory shipment, ensuring efficiency and durability of the products, providing fast delivery and a good after sales attendance.



SOUTH AMERICAN MARKET LEADER

FOLLOW
BREX ON
SOCIAL
MEDIA

| PG PRODUCT | | PG PRODUCT | | PG PRODUCT | | PG PRODUCT | |
|---------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|------------------------|----------------------------|
| MODULATORS AND ADJUSTERS | | 17 Suspender Panel – 1 valve | | 20 Emergency Relay Valve RE4 | | IN LINE FILTERS | |
| 6 | TS Modulator (Trailer Stability) | 17 | Suspender Panel – 2 valves | 21 | Lift Axle Valves | 26 | In-Line Filters (By-Pass) |
| 8 | ABS Modulator - 2 nd Generation | 17 | Suspender Panel – 3 valves | 22 | Relay Valve | COUPLING HEADS | |
| 10 | ABS Modulator - 1 st Generation | 17 | Suspender Panel Support | 22 | Quick Release Valves | 27 | Manual Coupling Heads |
| 11 | Automatic Slack Adjuster | 18 | Self-Steering Panels | 23 | Levelling Valves | 27 | Automatic Coupling Heads |
| MULTIFUNCTION PANELS | | 18 | NC Solenoid Pilot | 23 | Height Adjust Valve | ACCESSORIES | |
| 12 | 6G Multifunction Panel - 6 th Generation | CROWN SENSOR | | 23 | Overflow Valve (Pressure Protection) | 28 | Manifold - 2 Outlets |
| 14 | 5G Multifunction Panel Repairs - 5 th Generation | 19 | Gear Crown | 24 | Spring-Brake Protection Valve | 28 | Manifold - 4 Outlets |
| 15 | 4G Multifunction Panel - 4 th Generation | 19 | ABS Sensor | 24 | 2/2 Way Valve | 28 | Port Protector |
| 15 | 3G Multifunction Panel - 3 rd Generation | GENERAL VALVES | | 24 | 3/2 Way Valves | 28 | One Way Valve w/o Return |
| 15 | 2G Multifunction Panel - 2 nd Generation | 19 | Shunt/Release Valve | 25 | Two Way Valves | 29 | Bracket And Cover Assembly |
| 15 | Multifunction Panels Repairs / Replacements | 19 | Parking Valve | 25 | Select Low Valve | 29 | Plastic Cover |
| GENERAL PANELS | | 20 | Shunt/Release Valve (2G/ 3G Panels) | 26 | Pressure Regulator Valve | | |
| 16 | Self-Steering Panels | 20 | Parking Valve (3G/4G Panels) | 26 | Manometer With Glycerin | | |
| 16 | Regulator Valve | 20 | Shunt/Release Valve (4G Panel) | | | | |





WITH BREX,
QUALITY AND
SAFETY GO
HAND IN HAND

TRAILER STABILITY MODULATOR - TS

TS

SMOOTH TRANSITION TO MEET THE STANDARD WITH THE BEST COST-BENEFIT

Working together with the ABS system, TS Brex brings more safety to the roads through vehicle stability control. With the TS it is possible to detect previously the threat of a tipover and prevent it, reducing the risk of accident.

CONTRAN N° 954

The legislation establishes that the stability control system becomes a mandatory safety item in new vehicles – in categories M1, M2, M3, N1, N2, N3, O3 and O4 – from January 2025.

Add the TS Brex module to your trailer's
pneumatic circuit.

Available in 2 KIT versions for large compatibility with the requirements of production implements.

- MODULATOR KIT TS
BREX 2S2M /4S2M
KT020024
- MODULATOR KIT
TS BREX 4S3M
KT010024

4S3M application with the best price of the market!



+ ECONOMIC VIABILITY

to attend the new legislation, compared to other systems offered on the market.



+ SAFE ENVIRONMENT

for the driver during the route, lower risk of damaging cargo transported.



QUICK DIAGNOSIS

Reduce the time spent diagnosing the system using the "End Of Line Test", our exclusive solution that makes it faster to identify failures and errors, using this modern electronic system.



EASY MAINTENANCE

Brex is the lead supplier of pneumatic components for trailer's brake systems in Brazil. With a wide authorized technical assistance all over LATAM, the installation, maintenance and repair of our components are already well-known by it's agility in the process and easy aftermarket.



Download the
installation manual

| CODE | DESCRIPTION | |
|----------|---|--|
| RP030024 | SPEED SENSOR HARNESS | |
| RP040024 | MAIN POWER CABLE HARNESS MOD. 2S2M/4S2M | |
| RP050024 | MAIN POWER CABLE HARNESS MOD. 4S3M | |
| RP110024 | TS REPAIR KIT | |

TS BREX MODULATOR

SIMPLICITY, FROM INSTALLATION TO USE

The TS Brex installation is easy to adapt in the pneumatic circuit of your implement. Using simplified parameterization, it is possible to install the module already using the vehicle's information.

Easy inclusion in
your assembly line
=
Savings with
installation costs.





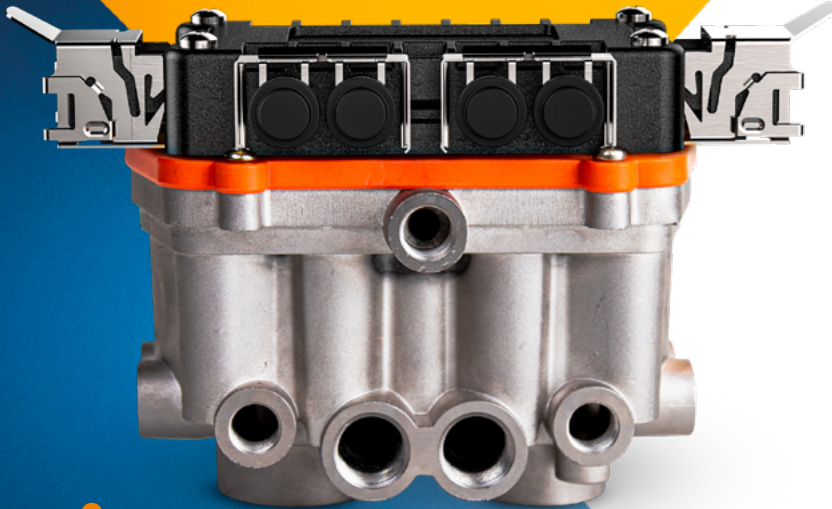
MODULATOR VALVE

VA020022 - 2S2M
VA040022 - 4S2M

- 06 outlets M16X1,5mm
(03 lefts e 03 rights)
- 02 reservoirs M22X1,5mm
- 01 auxiliary output M12X1,5mm
- 01 pilot inlet M16X1,5mm
- ISO 7638 Socket

2ND GENERATION ABS MODULATOR

THE BEST ABS



FOR ALL APPLICATIONS

The Brex 2nd generation Anti-Lock Brake System's (ABS) for trailers and semi-trailers has the necessary characteristics for installation on the most models on its assembly line.



Download
the installation
manual and
diagnostics guide



DIAGNOSTIC DEVICE

Reduces time in
identifying faults and
errors with a modern
electronic system.



Going beyond the versatility that it already
had, the second generation of the Brex ABS
now also counts with a **third electronic
modulator**, allowing a customized
configuration for your implement.



3RD MODULATOR

VA010022

- 02 outlets M16X1,5mm
- 01 reservoir M22X1,5mm
- 01 entry M16X1,5mm
- Auxiliar Socket

ENHANCED SECURITY

Check the table below for some of the main trailer configurations, in circulation on the market, served by the BREX ABS.

| COMERCIAL NAME | Standard | | Standard /"Bitrem" (rear) | Standard | | | "Vanderléia" | | Long Vehicle | | | | "Prancha" | | "Dolly" | SR Fourth Axle | | "Julieta" | | | "Bitrem" (front) | | |
|----------------|----------|---|---------------------------------|----------|---|---|--------------|---|--------------|------|---|---|-----------|---|---------|-------------------|------|-----------|---|---|------------------|---|---|
| Nº OF AXES | 1 | 2 | 2 | | | 3 | | | 2 | 3 | 2 | 3 | 4 | 4 | 2 | | 4 | | 2 | 3 | 3 | 2 | 3 |
| SUSPENSORS | 0 | | 1 | 0 | 1 | 2 | 1 | 2 | 0 | | 1 | | 0 | 1 | | 3 | 2 | 0 | 2 | 0 | | 1 | |
| WHIP | | | | 12M | | | | | | 15M | | | | | 6M | 12M | | 15M | | | 12M | | |
| CONFIGURATION | | | 2S2M | | | | 4S3M | | | 2S2M | | | | | | | 4S3M | | | | 2S2M | | |

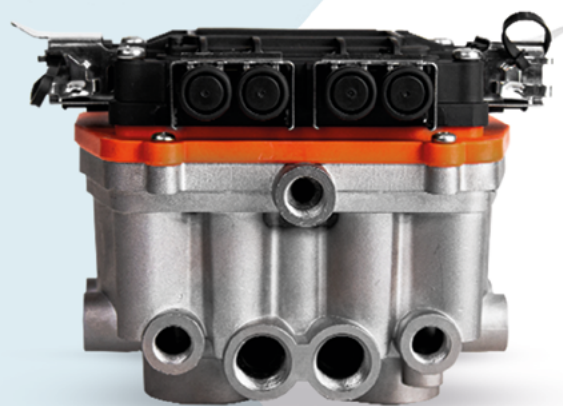
EASY REPAIR

Brex is the market leader in Brazil of pneumatic components for the brake system of trucks, with an extensive authorized assistance and replacement throughout South America. Count on us to keep your implements moving!

| CODE | DESCRIPTION | | CODE | DESCRIPTION | | CODE | DESCRIPTION | |
|------------|---|--|----------|---|--|--|--------------------------------------|--|
| RP070022 | ISO7638 12M POWER CORD | | RP130018 | 2M - ISO7638 BITREM REAR POWER CORD. | | RP160024 | 12/24 VOLT CONVERTER | |
| RP090022 | ISO7638 3M POWER CORD EXTENDER | | RP090018 | 3M - ISO7638 BITREM REAR POWER CORD. EXTENDER | | RP110018CJ | GREEN LAMP POWER CORD | |
| RP030022 | "W" POWER CORD | | RP200022 | ISO7638 DOLLY 6M POWER CORD | | IC020205 | GREEN LAMP | |
| RP030022BT | "W" POWER CORD (BITREM) | | RP140018 | ELECTRIC SPIRAL | | RP020022 2 SENSORS RP040022 4 SENSORS | 24V ELECTRONIC UNIT REPAIR | |
| RP220022 | 3 RD MODULATOR 6M POWER CORD | | RP640005 | SPEED SENSOR 3M EXTENSION CABLE | | | COMPLETE REPAIR OF MODULATORS (2ABS) | |
| RP170024 | CONVERTER CABLE 12V TO 24V ABS OV | | RP180024 | CONVERTER CABLE 24V TO 12V CONNECTION 7V | | | | |



VA010018:
Modulator Valve with
Solenoids and ECU



06 outlets M16X1,5mm
(03 lefts e 03 rights)
02 reservoirs M22X1,5mm
01 auxiliary output M12X1,5mm
01 pilot inlet M16X1,5mm
ISO 7638 Socket

1ST GENERATION ABS MODULATOR

**CERTIFIED
NBR ABNT 10966**

**PRODUCED IN BRAZIL WITH
EUROPEAN ELECTRONIC UNIT**

**DISMISS THE USE OF "END OF
LINE TEST" IN THE ASSEMBLY LINE**

**APPLICATION IN SEVERAL
TYPES OF TRAILERS**

RP020018: Electronic unit repair



RP010018: ABS Modulator full repair (2 ABS)



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MINIMUM SETTING TO COMPOSE THE ABS SYSTEM

| CODE | REPAIR |
|------------|--|
| RP110018CJ | ISO1185 Connection Cable / Derivation Circuit Warning Lamp |
| RP030018CD | "Y" Power Cable |
| RP070018 | ISO7638 Power Cable |
| RP640005 | Speed Sensor Extender Cable |
| IC020205 | Green Lamp |

REQUIRED TO SETTLE DOUBLE TRAILLER OR DOLLY

| CODE | REPAIR |
|----------|--|
| RP090018 | ISO 7638 Extension Cable |
| RP120018 | Supply/ Derivation ISO7638 Rear Double Trailer Cable |
| RP140018 | Electric Spiral 2 (two) Male Plugs |
| RP130018 | Supply Cable ISO 7638 Rear Connector |

**PROTECTS BRAKE SYSTEM
AGAINST OVERHEATING**

**MAINTAINS THE IDEAL
GAP BETWEEN THE
BRAKE LINING AND DRUM**

**AUTOMATIC
SLACK ADJUSTER**

**APPLICATION IN TRAILERS
AND SEMI-TRAILERS**

**COMPENSATES WEAR
OF BRAKE LINES**

**WIDE INSTALLATION
COMPATIBILITY**



**Automatic Adjuster
Kit + Fixed Point for
Road Implements**

KT500023

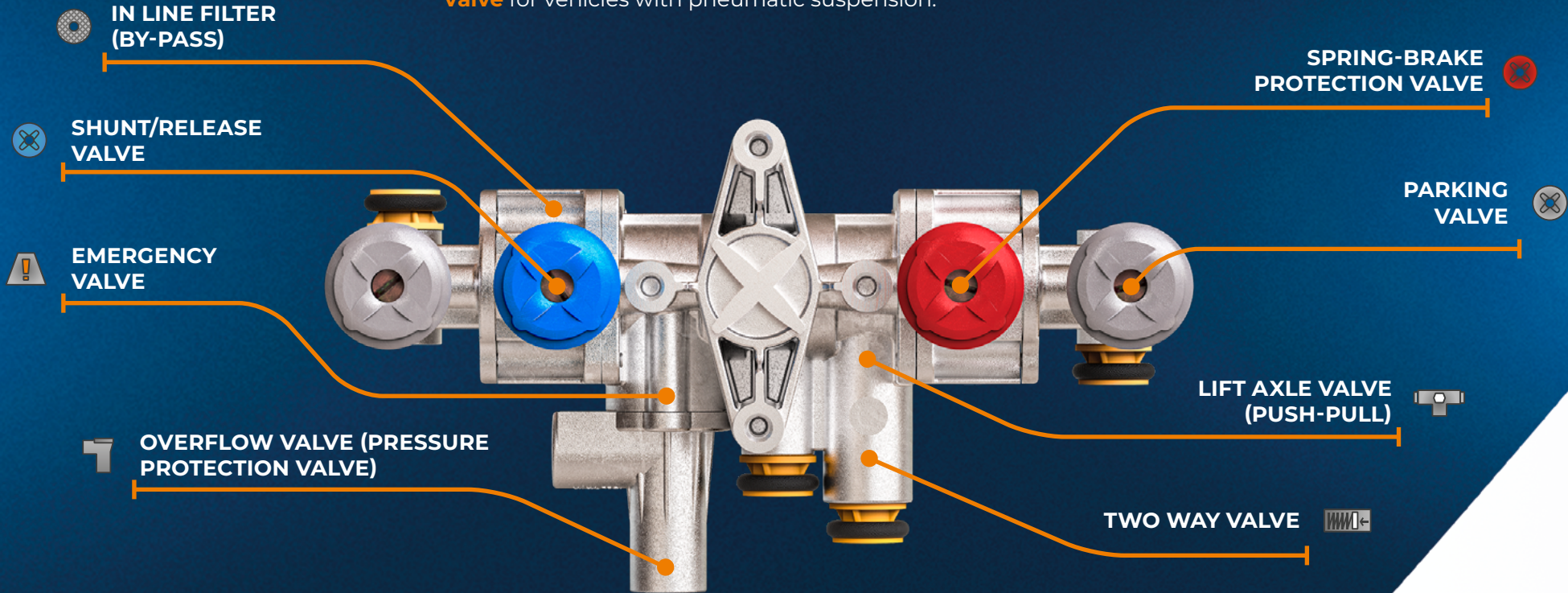
**AUTOMATIC
SLACK ADJUSTER
FOR ROAD IMPLEMENTS
WITH FIXED POINT**


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NEW

6TH GENERATION
MULTIFUNCTION PANEL

Developed to be highly versatile, the 6th Generation Multifunction Panels are the only products on the market that group functions together, besides the mandatory ones, such as: **valves for lift axle** and **pressure protection valve** for vehicles with pneumatic suspension.





PUSH/PULL VALVE

OBSERVATION:
This valve is part of the 6G Panel.

CODE:
PA190020

THREADS:
M16 x 1,5mm

REPAIR: RP010020

FUNCTIONS:

- ⊗ Lift Axle Valve (Push-Pull)

EASY SETUP AND REPLACEMENT

Fixed directly on the vehicle **chassis**...

Or with the **bracket**!

REPAIR:

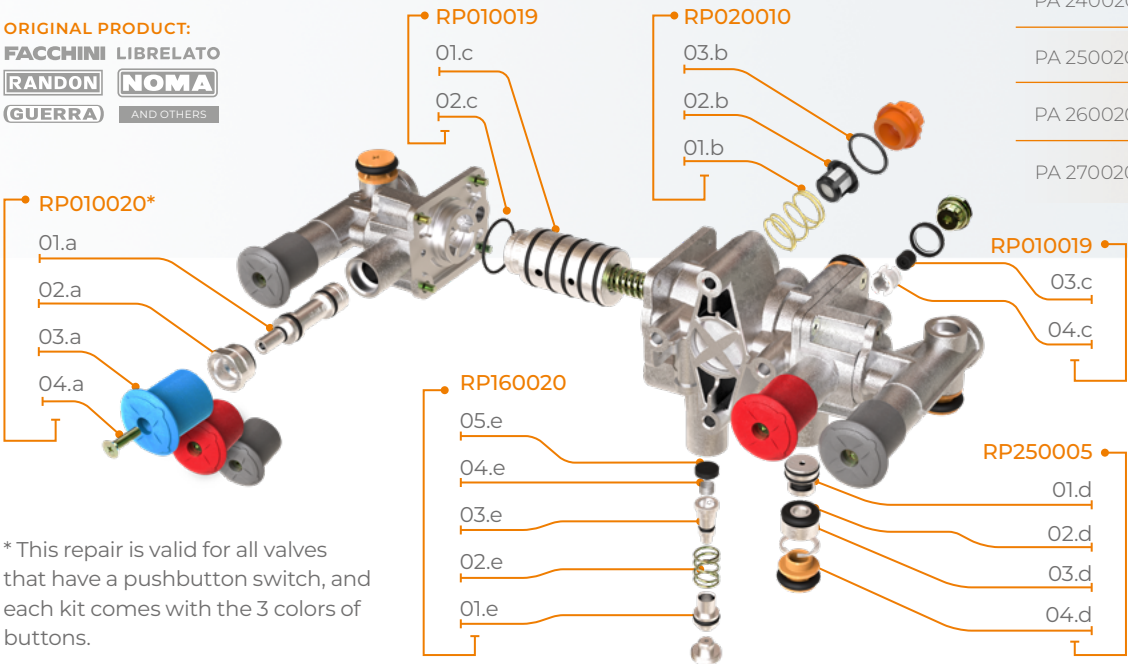
| | CODE | DESCRIPTION |
|---|-----------|--|
| 1 | RP010020* | Pushbutton Switch Kit (includes 3 button colors) |
| 2 | RP010019 | Emergency Function |
| 3 | RP160020 | Overflow Valve (pressure protection) |
| 4 | RP250005 | Exhaust |
| 5 | RP020010 | In Line Filter |



ALL
COMPATIBLE

All of the main functions of the trailer brake system were brought together in a single product, with only one source of supply and without the **need of auxiliary installations**. This was developed to custom the project of pneumatic solutions and to keep the 'set up' even easier and more reliable. It can be installed in two ways: directly on the vehicle's chassis or via support (using the bracket), **with fixing and applications compatible** with the previous generations of Brex panels or with panels from other brands available in the market.

ORIGINAL PRODUCT:
FACCHINI LIBRELATO
RANDON NOMA
GUERRA AND OTHERS



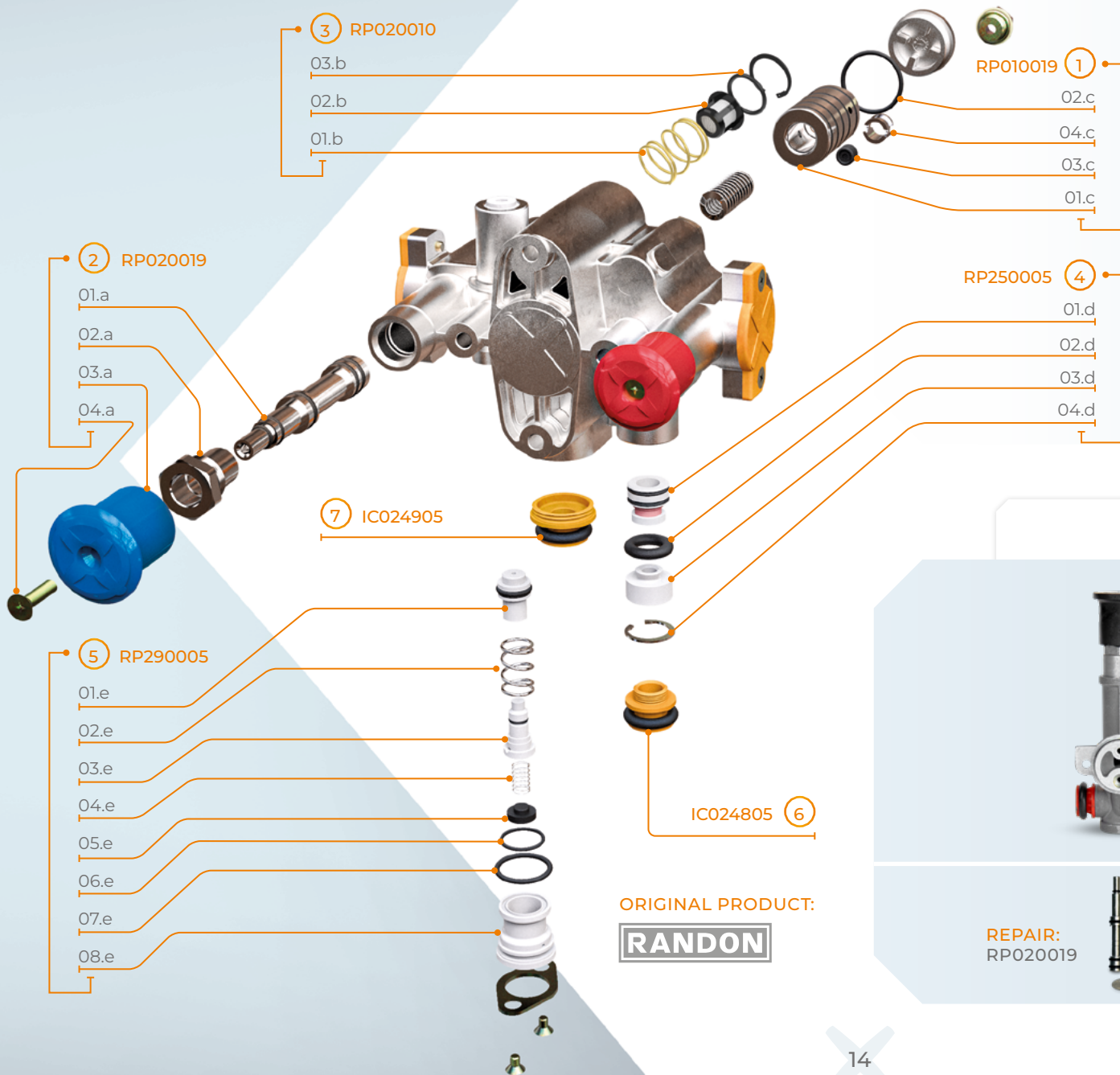
* This repair is valid for all valves that have a pushbutton switch, and each kit comes with the 3 colors of buttons.

| CODE | WITH PRESSURE PROTECTION (FOR PNEUMATIC SUSPENSION) | LIFT AXLE VALVE (PUSH/PULL) | FIXATION | COMPATIBILITY (PLUG AND PLAY) |
|-----------|---|-----------------------------|---------------------------------|-------------------------------|
| PA 200020 | NONE | NONE | Directly on the vehicle chassis | 9710029000 (Wabco) |
| PA 020020 | YES | NONE | Directly on the vehicle chassis | PA020018 (5G) |
| PA 030020 | YES | ONE VALVE | | PA030018 (5G) |
| PA 040020 | YES | TWO VALVES | | PA040018 (5G) |
| PA 050020 | NONE | NONE | Directly on the vehicle chassis | PA050012 (4G) / PA050018 (5G) |
| PA 060020 | NONE | ONE VALVE | | PA060012 (4G) / PA060018 (5G) |
| PA 070020 | NONE | DOIS VALVES | | PA070012 (4G) / PA070018 (5G) |
| PA 220020 | YES | NONE | With bracket (to support) | PA020018 (5G) |
| PA 230020 | YES | ONE VALVE | | PA030018 (5G) |
| PA 240020 | YES | TWO VALVES | | PA040018 (5G) |
| PA 250020 | NONE | NONE | With bracket (to support) | PA050012 (4G) / PA050018 (5G) |
| PA 260020 | NONE | ONE VALVE | | PA060012 (4G) / PA060018 (5G) |
| PA 270020 | NONE | TWO VALVES | | PA070012 (4G) / PA070018 (5G) |

The Brex 6G Panel has the advantage of a **"plug and play"** adaptability, it allows to replace from the oldest versions (4G or 5G) - or even a panel from another brand (competitor) – without new adaptations, no need for auxiliary connections or a pneumatic specialist. Just replace the old panel for the new Brex 6G Panel using the **same drilling** and hoses.

The repairs of the Brex 6G Panel are **easy to handle and to adapt**, they were developed to fix any panel component. That way, the maintenance is easily done and, after changing, the vehicle is ready to hit the road again.

REPAIRS OF THE 5TH GENERATION
MULTIFUNCTION PANEL



| | CODE | REPAIR |
|---|----------|--------------------------------------|
| 1 | RP010019 | Emergency Function |
| 2 | RP020019 | Pre-assembled push/pull |
| 3 | RP020010 | In Line Filter |
| 4 | RP250005 | Exhaust |
| 5 | RP290005 | Overflow Valve (pressure protection) |
| 6 | IC024805 | Port Protector M16 x 1,5mm |
| 7 | IC024905 | Port Protector M28 x 1,5mm |

PUSH/PULL VALVE



REPAIR:
RP020019

OBSERVATION:
This valve is part of the 5G Panel.

CODE:
PA010018

THREADS:
M16 x 1,5mm

FUNCTIONS:
Lift Axle Valve (Push-Pull)

4TH GENERATION MULTIFUNCTION PANEL



REPAIRS:
RP040010
RP250005
RP010010
RP010012
RP020012

ITEM:

RANDON NOMA
GUERRA FACCHINI
AND OTHERS

| CODE: | VALVES: | THREADS: |
|----------|---------|-------------|
| PA050012 | 2 | M16 x 1,5mm |
| PA060012 | 3 | M16 x 1,5mm |
| PA070012 | 4 | M16 x 1,5mm |

FUNCTIONS:

- Emergency Valve
- Two Way Valve
- Spring Brake Protection
- In Line Filter with By-Pass
- Shunt/Release Valve
- Parking Valve
- Lift Axle Valve (Push-Pull Valve) (optional)

2TH GENERATION MULTIFUNCTION PANEL



REPAIRS:
RP010010
RP020010

ITEM:

RANDON NOMA
GUERRA FACCHINI
AND OTHERS

| CODE: | VALVES: | THREADS: |
|----------|---------|-------------|
| PA040005 | 2 | M16 x 1,5mm |
| PA030005 | 3 | M16 x 1,5mm |
| PA070005 | 4 | M16 x 1,5mm |

FUNCTIONS:

- In Line Filter with By-Pass
- Lift Axle Valve (Push-Pull Valve) (optional)
- Shunt/Release Valve
- Parking Valve

3TH GENERATION MULTIFUNCTION PANEL



REPAIRS:
RP040010
RP250005
RP010010
RP020010

ITEM:

RANDON NOMA
GUERRA FACCHINI
AND OTHERS

| CODE: | VALVES: | THREADS: |
|----------|---------|-------------|
| PA020011 | 2 | M16 x 1,5mm |
| PA030011 | 3 | M16 x 1,5mm |
| PA040011 | 4 | M16 x 1,5mm |

FUNCTIONS:

- Two Way Valve
- In Line Filter with By-Pass
- Spring Brake Protection
- Parking Valve
- Lift Axle Valve (Push-Pull Valve) (optional)
- Shunt/Release Valve

MULTIFUNCTION PANELS
REPAIRS / REPLACEMENTS



RP040010



RP020010



RP250005



RP020012



RP010010



RP010012

SELF-STEERING PANEL

NEW



OBSERVATION:

Electronic activation of the Suspensor with 01 Solenoid, 01 Regulator and 01 Manual Actuator.

CODE:

PA070024

THREADS:

M16 x 1,5 / M12 x 1,5

FUNCTIONS:



Self-Steering
Panell

SELF-STEERING PANEL

NEW



OBSERVATION:

Electronic activation of the Suspensor with 01 Solenoid, 02 Regulators and 02 Manual Actuators.

CODE:

PA060024

THREADS:

M16 x 1,5 / M12 x 1,5

FUNCTIONS:



Self-Steering
Panell

SUSPENDER PANEL - 1 VALVE

NEW



OBSERVATION:

Pneumatic Suspension Activation Panel 1 Valve (without support)

CODE:

VA080024

THREADS:

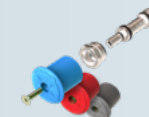
M16 x 1,5mm / M12x1,5mm

FUNCTIONS:



Lift Axle Valve (Push-Pull Valve)

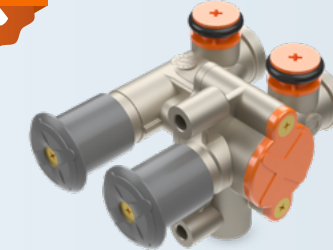
REPAIR:



RP020010

SUSPENDER PANEL - 2 VALVES

NEW



OBSERVATION:

Pneumatic Suspension Activation Panel 2 Valves (without support)

CODE:

PA020024

THREADS:

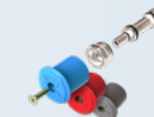
M16 x 1,5mm / M12x1,5mm

FUNCTIONS:



Lift Axle Valve (Push-Pull Valve)

REPAIR:



RP020010

SELF-STEERING PANEL

NEW



OBSERVATION:

Electronic activation of the Suspensor with 02 Solenoid, 02 Regulators and 02 Manual Actuators.

CODE:

PA050024

THREADS:

M16 x 1,5 / M12 x 1,5

FUNCTIONS:



Self-Steering
Panell



3/2 NC SOLENOID PILOT (ELETRICAL 3/2 WAY VALVE)



OBSERVATION:

3/2 NC Solenoid Pilot (24VCC w/ Plug and 2-Way Cable) (Eletrical 3/2 Way Valve)

CODE:

VA130012

THREADS:

1/8" BSP

FUNCTIONS:



Solenoid Pilot

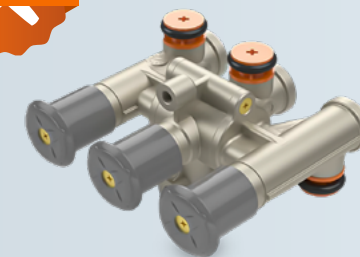
ITEM:



**FACCHINI
LIBRELATO**
AND OTHERS

SUSPENDER PANEL - 3 VALVES

NEW



OBSERVATION:

Pneumatic Suspension Activation Panel 3 Valves (without support)

CODE:

PA030024

THREADS:

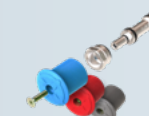
M16 x 1,5mm / M12x1,5mm

FUNCTIONS:



Lift Axle Valve (Push-Pull Valve)

REPAIR:

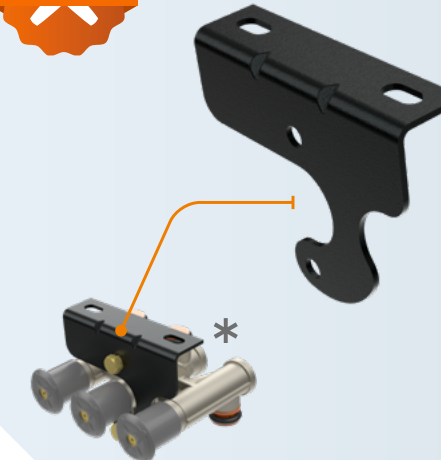


RP020010



SUSPENDER PANEL SUPPORT

NEW



OBSERVATION:

Pneumatic Suspension Drive Panel Support - 3 Valves

CODE:

PA030124

*Example of applied support.
Panel sold separately.

SELF-STEERING PANEL



OBSERVATION:

Self-Steering Axle Control Panel

CODE:

PA010014

PORTS:

Tubo Ø10mm

PA200014

Tubo Ø08mm

FUNCTIONS:



Self-Steering Panell

ITEM:



**FACCHINI
LIBRELATO**
AND OTHERS

SELF-STEERING PANEL



OBSERVATION:

Air Bag Regulator Panel

CODE:

PA090014

PORTS:

Tubo Ø10mm

PA220014

Tubo Ø08mm

FUNCTIONS:



Self-Steering Panell

ITEM:



**FACCHINI
LIBRELATO**
AND OTHERS

PARKING VALVE



CODE:

VA370005

THREADS:

M16 x 1,5mm

FUNCTIONS:



Parking Valve

ITEM:



FACCHINI
AND OTHERS

REPAIR:



RP590005



RP730005

WHEEL SENSOR



OBSERVATION:

Wheel Sensor
16 X 40 mm X 90° x 500mm

CODE:

IC028505

THREADS:

M16 x 1.5mm

FUNCTIONS:



ABS Sensor



SELF-STEERING PANEL



OBSERVATION:

Control Panels to regulate airbags

CODE:

PA100014

PORTS:

Tubo Ø10mm

PA210014

Tubo Ø08mm

FUNCTIONS:



Self-Steering Panell

ITEM:



**FACCHINI
LIBRELATO**
AND OTHERS

REGULATOR VALVE



OBSERVATION:

Pressure Regulator Valve with
Manometer with Glycerin

CODE:

VA060016

THREADS:

1/8" BSP

VA060022

1/4" BSP

FUNCTIONS:



Pressure Regulator Valve

ITEM:



**FACCHINI
LIBRELATO**
AND OTHERS

SHUNT/RELEASE VALVE



CODE:

VA320005

THREADS:

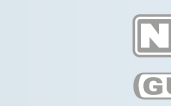
M16 x 1,5mm

FUNCTIONS:



Shunt/Release
Valve

ITEM:



FACCHINI
AND OTHERS

REPAIR:



RP590005



RP720005

SHUNT/RELEASE VALVE



OBSERVATION:

This valve is part of the 2G Panel and/or 3G Panel

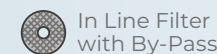
CODE:

VA010012

THREADS:

M16 x 1,5mm (ports 1 e 2)
M12 x 1,5mm (ports 1-2)

FUNCTIONS:



In Line Filter with By-Pass



Shunt/Release Valve

ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI

REPAIR:



RP020010



RP010010

PARKING VALVE



OBSERVATION:

This valve is part of the 3G Panel and/or 4G Panel

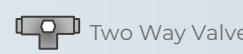
CODE:

VA020012

THREADS:

M16 x 1,5mm (ports)
M12 x 1,5mm (assembly with other valves in the panel)

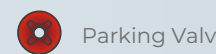
FUNCTIONS:



Two Way Valve



Spring Brake Protection



Parking Valve

ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI

REPAIR:



RP040010



RP250005



RP010010

LIFT AXLE VALVE (PUSH/PULL)



OBSERVATION:

Panel application valve (2g, 3g and 4g panels)

CODE:

VA030012

THREADS:

M16 x 1,5mm (ports)
M12 x 1,5mm (assembly with other valves in the panel)

FUNCTIONS:



Lift Axle Valve (Push-Pull Valve)

ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI

REPAIR:

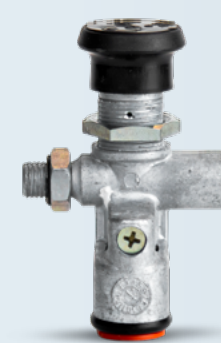


RP620005



RP010010

LIFT AXLE VALVE (PUSH/PULL)



OBSERVATION:

Panel application valve (2g, 3g and 4g panels)

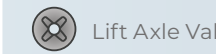
CODE:

VA090012

THREADS:

M16 x 1,5mm (ports)
M12 x 1,5mm (assembly with other valves in the panel)

FUNCTIONS:



Lift Axle Valve (Push-Pull Valve)

ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI

REPAIR:



RP620005



RP010010



SHUNT/RELEASE VALVE



OBSERVATION:

This valve is part of the 4G Panel

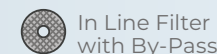
CODE:

VA120012

THREADS:

M16 x 1,5mm (ports 1, 2 end 3)
M12 x 1,5mm (port 1-2)

FUNCTIONS:



In Line Filter with By-Pass



Emergency Valve



Shunt/Release Valve

ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI

REPAIR:

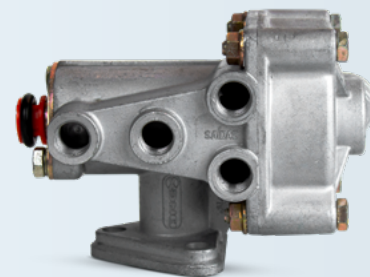


RP020012



RP010012

EMERGENCY RELAY VALVE



CODE:

VA080005

OUTLET:

3

THREADS:

M16 x 1,5mm
M22 x 1,5mm

CODE:

VA010008

OUTLET:

4

M16 x 1,5mm
M22 x 1,5mm

CODE:

VA060008

OUTLET:

3

1/4" NPT
1/2" NPT

FUNCTIONS:



Relay Valve



Emergency Valve

ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI

REPAIR:

RP080005



LIFT AXLE VALVE (PUSH/PULL)



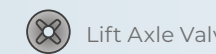
CODE:

VA280005

THREADS:

M16 x 1,5mm

FUNCTIONS:



Lift Axle Valve (Push-Pull Valve)

ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI

REPAIR:



RP590005



RP690005



LIFT AXLE VALVE (PUSH/PULL)



CODE:

VA050014

OBSERVATION:

Panel application valve

THREADS:

M16 x 1,5mm (outlet port)
M12 x 1,5mm (inlet port)

FUNCTIONS:



Lift Axle Valve (Push-Pull Valve)

ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI

REPAIR:



RP620005



RP010010

RELAY VALVE



CODE:
VA150023

THREADS:
M16 x 1,5mm
M22 x 1,5mm

FUNÇÕES:



Válvula
Relé

REPAIR:
RP150023



ITEM:

RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS

RELAY VALVE - PREVIOUS MODELS



RP150022
Relay Valve Repair
VA150022



RP150019
Relay Valve Repair
VA150029



RP150005
Relay Valve Repair
VA150005

NOTE: Previous relay valve models - apart from VA150023, were discontinued. You can still purchase the repairs "RP150005; RP150019 e RP150022. Contact us and check the availability and detailed compatibility of the models.

LEVELLING VALVE (W/O STOPPING STROKE)



CODE:
VA260005

THREADS:
M12 x 1,5mm

FUNCTIONS:



Levelling
Valve

ITEM:

RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS

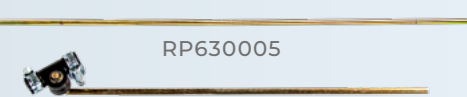
ACCESSORIES:



RP540005



RP560005



RP630005

RP550005

LEVELLING VALVE (W/ STOPPING STROKE)



CODE:
VA050009

THREADS:
M12 x 1,5mm
M16 x 1,5mm

FUNCTIONS:



Levelling
Valve

ITEM:

RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS

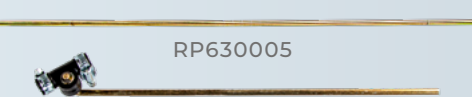
ACCESSORIES:



RP540005



RP560005



RP630005

RP550005

QUICK RELEASE VALVE



CODE:
VA020005

THREADS:
M16 x 1,5mm

VA170005 M16 x 1,5mm
M22 x 1,5mm

VA200005 1/4" NPT
1/2" NPT

FUNCTIONS:



Quick
Release

REPAIR:
RP020005



ITEM:

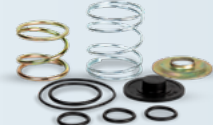
RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS



QUICK RELEASE VALVE WITH LOCKING FUNCTION



REPAIR:
RP090008



OBSERVATION:

Quick release valve with locking function.

CODE:
VA090008

THREADS:
M16 x 1,5mm
M22 x 1,5mm

FUNCTIONS:



Quick
Release

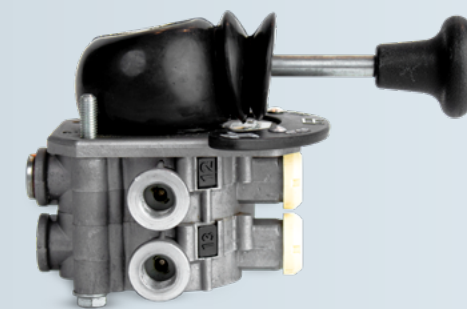


Locking
Function

ITEM:

NOMA **FACCHINI**
GUERRA AND OTHERS

HEIGHT ADJUST VALVE



CODE:
VA060009

THREADS:
M16 x 1,5mm

FUNCTIONS:



Levelling
Valve

ITEM:

RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS



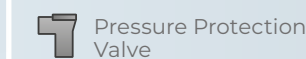
OVERFLOW VALVE



CODE:
VA290005

THREADS:
M16 x 1,5mm

FUNCTIONS:



Pressure Protection
Valve

REPAIR:
RP290005



ITEM:

RANDON **NOMA** AND OTHERS
GUERRA **FACCHINI**



CODE:
VA250005

THREADS:
M16 x 1,5mm

FUNCTIONS:
 Spring Brake Protection

REPAIR:
RP250005



ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI



CODE:
VA310005

THREADS:
M16 x 1,5mm

FUNCTIONS:
 Locking Function

REPAIR:
RP070005



ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI



CODE:
VA030008

THREADS:
M16 x 1,5mm

FUNCTIONS:
 Two Way Valve

REPAIR:
RP050008



ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI



CODE:
VA050008

THREADS:
M16 x 1,5mm

FUNCTIONS:
 Two Way Valve

REPAIR:
RP050008



ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI



CODE:
VA300005

THREADS:
M16 x 1,5mm

FUNCTIONS:
 Locking Function

REPARO:
RP070005



ITEM:

RANDON

NOMA

AND OTHERS

GUERRA

FACCHINI



CODE:
VA060015

THREADS:
M16 x 1,5mm

FUNCTIONS:
 Locking Function

REPARO:
RP070005



ITEM:


NOMA

FACCHINI

AND OTHERS

GUERRA

LIBRELATO




CODE:
VA050016

THREADS:
M16 x 1,5mm

FUNCTIONS:
 Select Low Valve

REPAIR:
RP050016



ITEM:

NOMA

FACCHINI

AND OTHERS

GUERRA



CODE:
VA040016

THREADS:
M16 x 1,5mm

FUNCTIONS:
 Select Low Valve
  Locking Function

REPAIR:
RP040016



ITEM:

NOMA

FACCHINI

AND OTHERS

GUERRA

MANIFOLD WITH TWO OUTLETS



CODE:
VA070008

THREADS:
M16 x 1,5mm

FUNCTIONS:



ITEM:

RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS

MANIFOLD WITH FOUR OUTLETS



CODE:
VA080008

THREADS:
M16 x 1,5mm

FUNCTIONS:



ITEM:

RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS

BRACKET AND COVER ASSEMBLY



CODE: VALVES
PA010009 2 valves
PA020009 3 valves
PA040009 4 valves

ITEM:

RANDON **NOMA** AND OTHERS
GUERRA **FACCHINI**

PLASTIC COVER



CODE:
PA010107

ITEM:

RANDON **NOMA**
GUERRA **FACCHINI**

PORT PROTECTOR

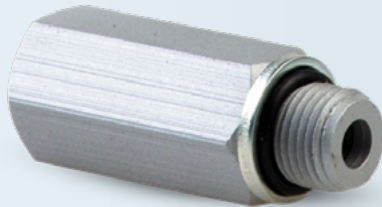


CODE: THREADS:
IC024805 M16 x 1,5mm
IC028905 1/8" BSP
IC024905 M28x1,5mm

ITEM:

RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS

ONE WAY VALVE WITHOUT RETURN



CODE:
VA110005

THREADS:
M16 x 1,5mm

ITEM:

RANDON **NOMA** LIBRELATO
GUERRA **FACCHINI** AND OTHERS

GLOSSARY



SELF-STEERING AXLE CONTROL PANELS

It pneumatically sets up the self-steering axle.



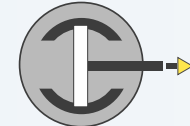
SLACK ADJUSTER

Automatically compensates the break lines detrition, adjusting its gap regarding the drum, avoiding unnecessary friction and system overheating.



EMERGENCY VALVE

Automatically activates brake application in case of system depressurization.



QUICK RELEASE

Quick release of the compressed air from the brake chambers.



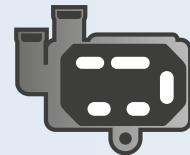
LOCKING FUNCTION

It does not allow the axle braking when it is raised/out of roll.



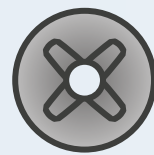
MANIFOLD

Distribution of compressed air from 1 inlet in 2 or more outlets.



TS - TRAILER STABILITY

Works together with the ABS to control the stability of the implement, enabling prior detection of possible tipping and its correction.



LIFT AXLE VALVE (PUSH-PULL VALVE)

Raises the axles to save tires when the vehicle is unloaded.



SPRING-BRAKE PROTECTION VALVE

Prevents the involuntary application of the parking brake ("spring-brake") when the pressure is below 5 bar.



TWO WAY VALVE

It is the anti-compound system of the braking modes, which is the double activation by the brake pedal and/or parking.



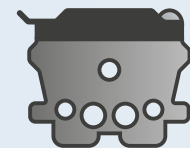
PRESSURE PROTECTION VALVE

It is used in the protection of the airbags when the vehicle is equipped with pneumatic suspension.



COUPLING HEAD

Allows the supply of compressed air to the towed vehicle (red/emergency) and the brake control signal (yellow/service).



ABS - ANTI-LOCK BRAKE SYSTEM

Helps maintain control during emergency braking and improves efficiency in low grip conditions.



SHUNT/RELEASE VALVE

Used to move the vehicle without the need to pressurize the entire brake system.



RELAY VALVE

Braking modulation according to the signal received from the pedal/driver, it also decreases the response time in long/combined vehicles.



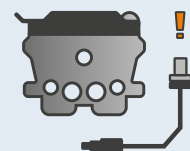
SELECT LOW VALVE

It has the function of a 3rd mechanical modulator, applied to the steered axle.



PRESSURE REGULATOR VALVE

Regulates the pressure of the suspension airbags for vehicles with mixed suspension, or the pressure of the alignment airbags for self-steering axle.



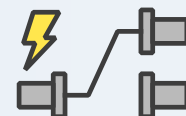
ABS SENSOR

Used in the ABS brake system to measure wheel speed on various trailer models.



PARKING VALVE

It allows the implement to be safely uncoupled.



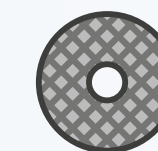
SOLENOID PILOT

3/2 way normally closed electrically operated valve, used in the control of the self-steered axle.



LEVELING VALVE

Allows to keep the chassis height, regardless of load condition of the vehicle.



IN LINE FILTER WITH BY-PASS

Protects the pneumatic brake and suspension system.

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