BREX
PNEUMATIC BRAKE SYSTEMS

CATALOG

PNEUMATIC BRAKE AND
SUSPENSION SYSTEMS
FOR TRAILERS AND
SEMITRAILERS

Quality Management System
IATF 16949:2016
CERTIFICATE

A **SAFER** FUTURE

BREX
PNEUMATIC BRAKE SYSTEMS

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 eletronic tests in the production line.

SPECIALIZED TECHNICAL ASSISTANCE

FAST DELIVERY

EFFICIENT AFTER SALES
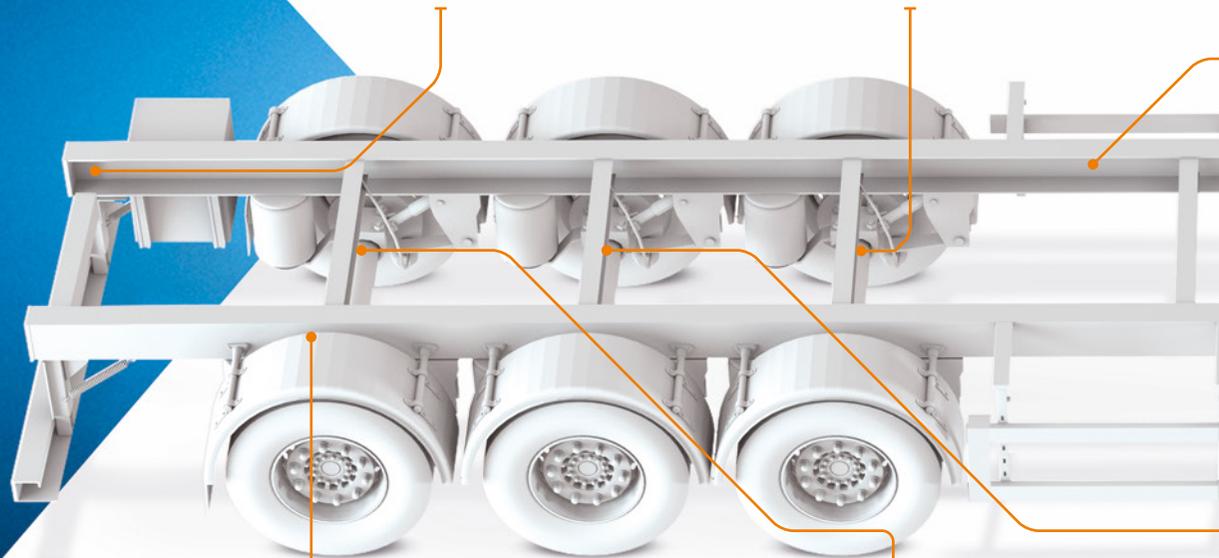
Quality Management System
IATF 16949:2016
CERTIFICATE

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

HEIGHT ADJUST VALVE | **PG 23**

DOUBLE 3/2 WAY VALVE | **PG 24**

LEVELLING VALVE (WITH STOPPING STROKE) | **PG 23**

IN LINE FILTER | **PG 26**

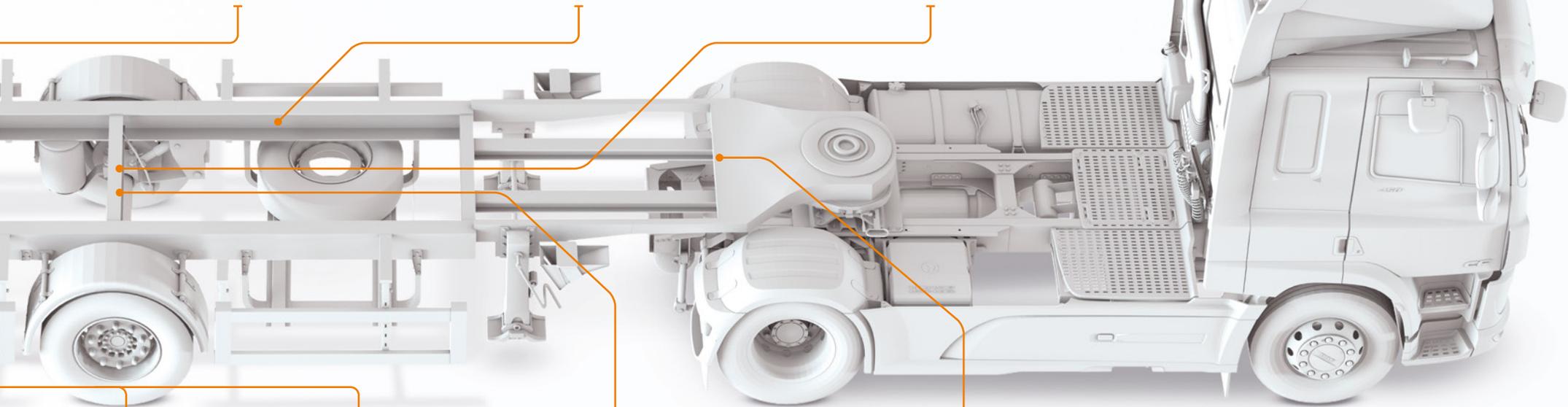# A TECHNOLOGY THAT WORKS SO PERFECTLY ...

6G PANEL | **PG 12**

SELF-STEERING AXLE CONTROL PANEL | **PG 16**

SELECT LOW VALVE WITH LOCKING FUNCTION | **PG 25**

ABS MODULATOR | **PG 8**

TS MODULATOR | **PG 6**

RELAY VALVE | **PG 22**

EMERGENCY AND SERVICE MANUAL COUPLING HEAD **PG 27**

...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

/freiosbrex

NEW
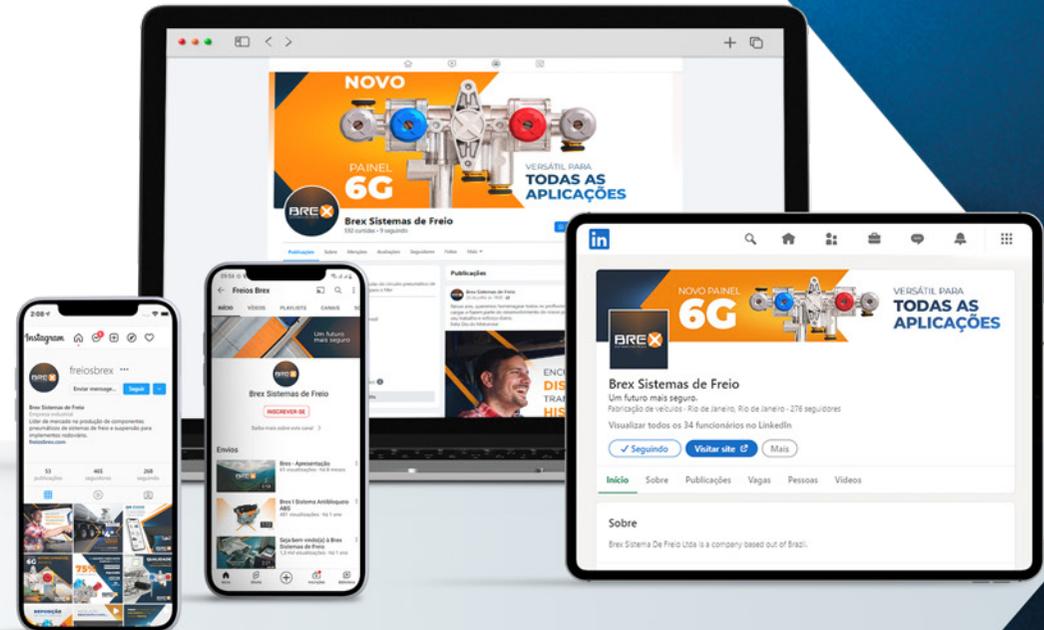
TS

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

WITH BREX, **QUALITY AND SAFETY** GO HAND IN HAND

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.
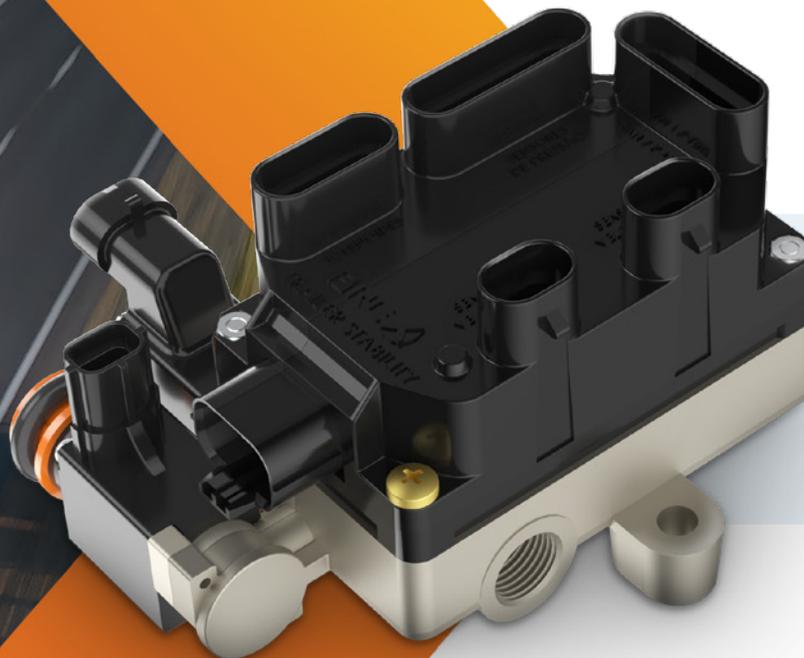
CONTRAN N° 954

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.

PRODUCT APPROVED FOR
HOMOLOGATION
CONTRAN N° 954

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

6

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.

CODE	DESCRIPTION	
RP030024	SPEED SENSOR HARNESS	
RP040024	MAIN POWER CABLE HARNESS MOD. 2S2M/4S2M	
RP050024	MAIN POWER CABLE HARNESS MOD. 4S3M	

**Practicality of inclusion in your assembly line
=
Allow savings in installation costs and fast to install.**

TS BREX MODULATOR
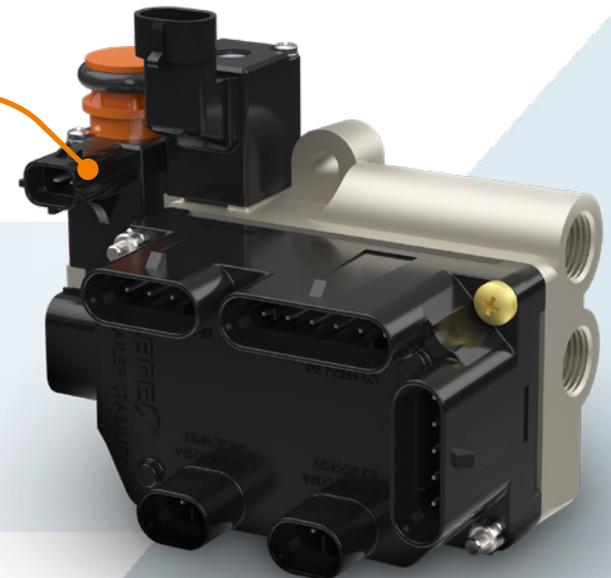
Download the installation manual

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.

Download the installation manual and diagnostics guide

THE BEST ABS

NEW

Approved according to NBR ABNT 10966

Bivolt use with 12/24v converter

Visual diagnosis using the green lamp

DIAGNOSTIC DEVICE

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

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

MODULATOR VALVE

VA020022 - 2S2M
VA040022 - 4S2M

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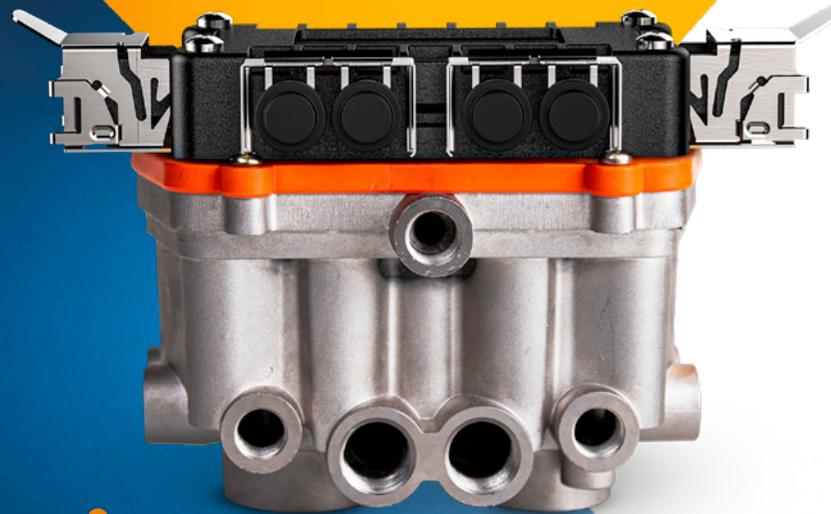**01 pilot inlet** M16X1,5mm
ISO 7638 Socket

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.

3RD MODULATOR

VA010022

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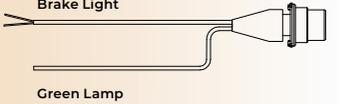**01 reservoir** M22X1,5mm
01 entry M16X1,5mm
Auxiliar Socket

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)	
N° 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.		RP160018	12/24 VOLT CONVERTER	
RP090022	ISO7638 3M POWER CORD EXTENDER		RP090018	3M - ISO7638 BITREM REAR POWER CORD. EXTENDER		RP110018CJ	GREEN LAMP POWER CORD	Brake Light / Green Lamp
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	3RD MODULATOR 6M POWER CORD		RP640005	SPEED SENSOR 3M EXTENSION CABLE		RP010018	COMPLETE REPAIR OF MODULATORS (2ABS)	
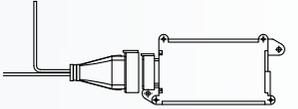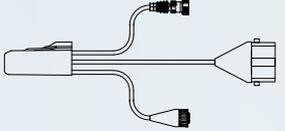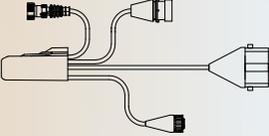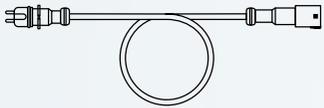
1ST GENERATION ABS MODULATOR

VA010018:
Modulator Valve with Solenoids and ECU

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

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

RP020018: Electronic unit repair

RP010018: ABS Modulator full repair (2 ABS)

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
RP110018CJ	ISO 7638 Extension Cable
RP030018CD	Supply/ Derivation ISO7638 Rear Double Trailer Cable
RP070018	Electric Spiral 2 (two) Male Plugs
RP640005	Supply Cable ISO 7638 Rear Connector

AUTOMATIC SLACK ADJUSTER

NEW

PROTECTS BRAKE SYSTEM AGAINST OVERHEATING

APPLICATION IN TRAILERS AND SEMI-TRAILERS

COMPENSATES WEAR OF BRAKE LINES

MAINTAINS THE IDEAL GAP BETWEEN THE BRAKE LINING AND DRUM

WIDE INSTALLATION COMPATIBILITY

Automatic Adjuster Kit + Fixed Point for Road Implements

KT500023

AUTOMATIC SLACK ADJUSTER FOR ROAD IMPLEMENTS WITH FIXED POINT

REPAIRS

CODE	REPAIR
RP110018CJ	Automatic Adjuster's Crown Gear Kit - for Road Implements
RP030018CD	Automatic Adjuster's Full Repair Kit - for Road Implements
RP070018	Automatic Adjuster's Control Unit Repair Kit - for Road Implements

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.

IN LINE FILTER (BY-PASS)

SHUNT/RELEASE VALVE

EMERGENCY VALVE

OVERFLOW VALVE (PRESSURE PROTECTION VALVE)

SPRING-BRAKE PROTECTION VALVE

PARKING VALVE

LIFT AXLE VALVE (PUSH-PULL)

TWO WAY VALVE
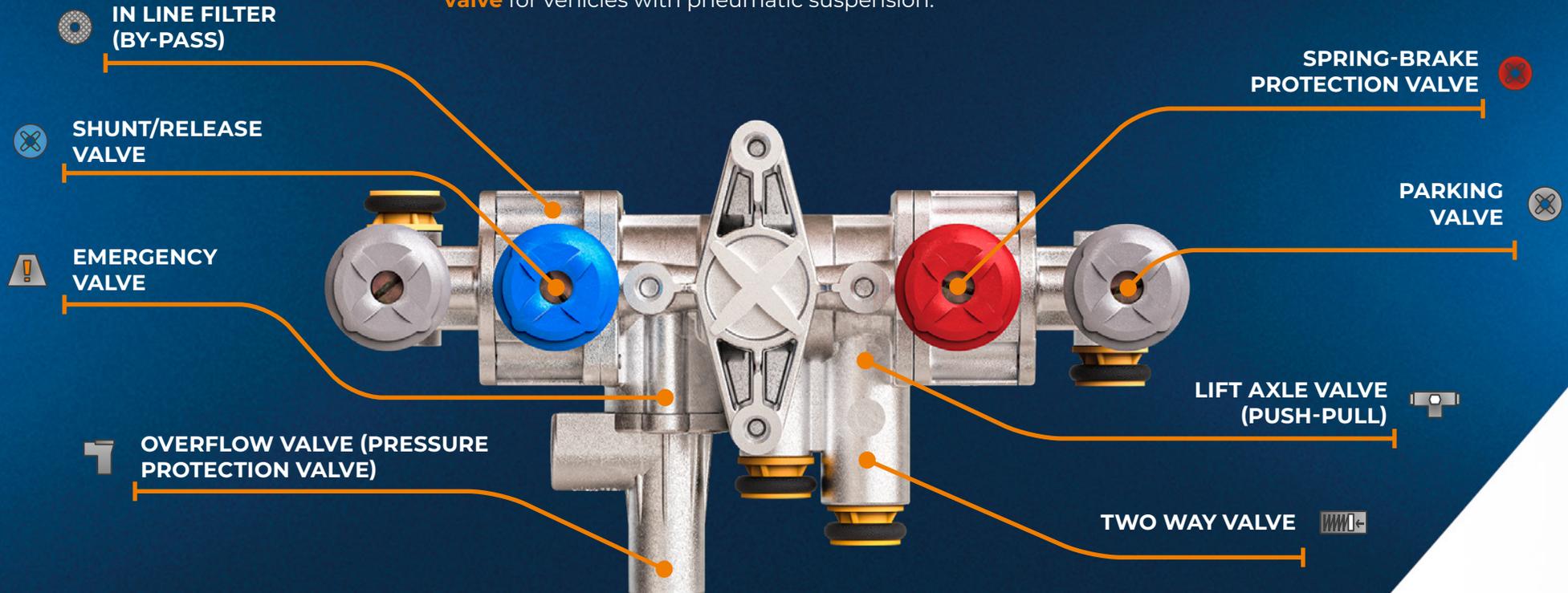
PUSH/PULL VALVE

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

12

ALL COMPATIBLE

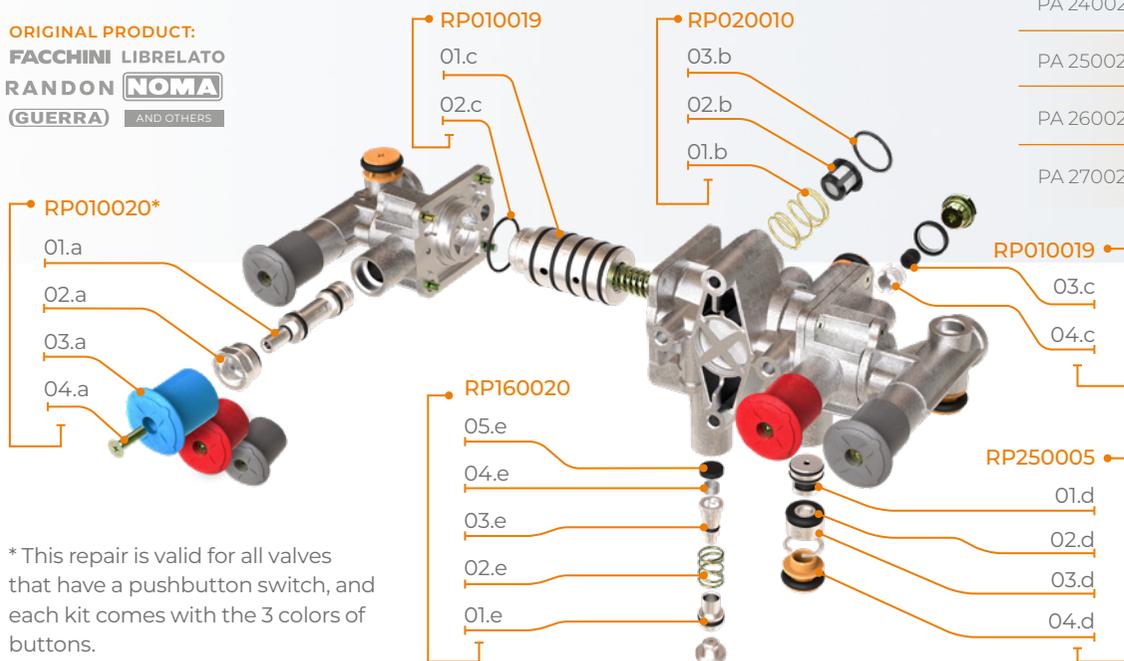All of the main functions of the trailer brake system were brought together in a single product, with only one source of supply and without the **need of auxiliary installations**. This was developed to custom the project of pneumatic solutions and to keep the 'set up' even easier and more reliable. 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:
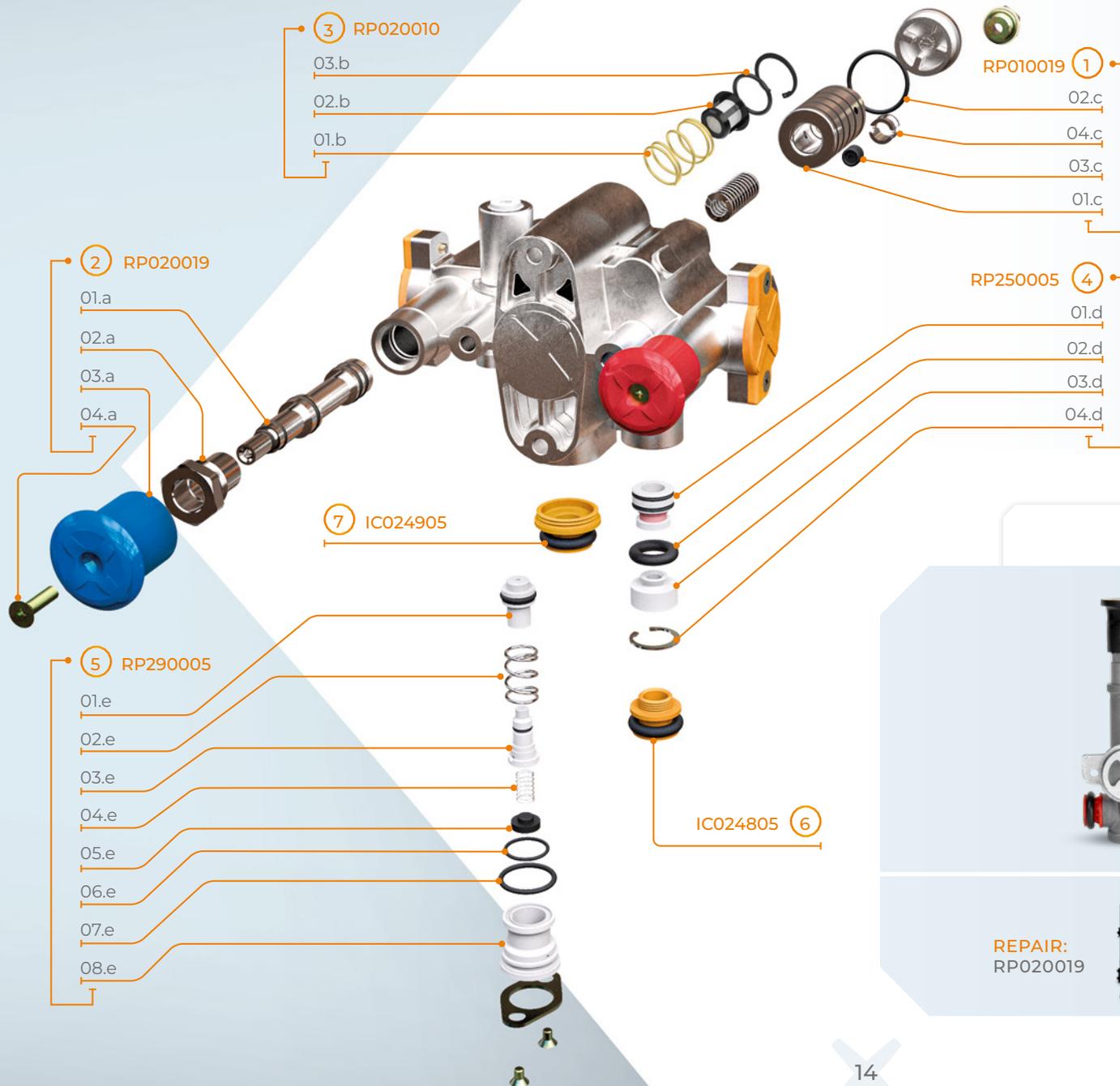FACCHINI LIBRELATO
RANDON NOMA
(GUERRA) AND OTHERS

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)

RP010020*
01.a
02.a
03.a
04.a

RP010019
01.c
02.c

RP020010
03.b
02.b
01.b

RP010019
03.c
04.c

RP160020
05.e
04.e
03.e
02.e
01.e

RP250005
01.d
02.d
03.d
04.d

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

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

3 RP020010
- 03.b
- 02.b
- 01.b

RP010019 **1**
- 02.c
- 04.c
- 03.c
- 01.c

2 RP020019
- 01.a
- 02.a
- 03.a
- 04.a

RP250005 **4**
- 01.d
- 02.d
- 03.d
- 04.d

7 IC024905

5 RP290005
- 01.e
- 02.e
- 03.e
- 04.e
- 05.e
- 06.e
- 07.e
- 08.e

IC024805 **6**

	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

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

CODE:
PA010018

THREADS:
M16 x 1,5mm

REPAIR:
RP020019

FUNCTIONS:
Lift Axle Valve (Push-Pull)

4TH GENERATION MULTIFUNCTION PANEL

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)*

REPAIRS:
RP040010
RP250005
RP010010
RP010012
RP020012

ITEM:
NOMA
GUERRA
FACCHINI
AND OTHERS

3TH GENERATION MULTIFUNCTION PANEL

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

REPAIRS:
RP040010
RP250005
RP010010
RP020010

ITEM:
NOMA
GUERRA
FACCHINI
AND OTHERS

2TH GENERATION MULTIFUNCTION PANEL

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

REPAIRS:
RP010010
RP020010

ITEM:
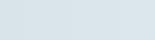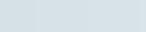
MULTIFUNCTION PANELS REPAIRS / REPLACEMENTS

RP040010

RP020010

RP250005

RP020012

RP010010

RP010012

SELF-STEERING PANEL

OBSERVATION:

Self-Steering Axle Control Panel with 1 regulator and 1 solenoid

CODE:	**PORTS:**
PA010014	Tubo Ø10mm
PA200014	Tubo Ø08mm

FUNCTIONS:

 Self-Steering Panel

ITEM:

NOMA GUERRA FACCHINI LIBRELATO AND OTHERS

SELF-STEERING PANEL

OBSERVATION:

Air Bag Regulator Panel with 2 regulators

CODE:	**PORTS:**
PA090014	Tubo Ø10mm
PA220014	Tubo Ø08mm

FUNCTIONS:

 Self-Steering Panel

ITEM:

NOMA GUERRA FACCHINI LIBRELATO AND OTHERS

SELF-STEERING PANEL

OBSERVATION:

Control Panels to regulate airbags with 2 regulators and 1 solenoid

CODE:	**PORTS:**
PA100014	Tubo Ø10mm
PA210014	Tubo Ø08mm

FUNCTIONS:

 Self-Steering Panel

ITEM:

NOMA GUERRA FACCHINI LIBRELATO AND OTHERS

REGULATOR VALVE

OBSERVATION:

Pressure Regulator Valve with Manometer with Glycerin

CODE:	**THREADS:**
VA060016	1/8" BSP
VA060022	1/4" BSP

FUNCTIONS:

 Pressure Regulator Valve

ITEM:

NOMA GUERRA FACCHINI LIBRELATO AND OTHERS

BREX
PNEUMATIC BRAKE SYSTEMS

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

SUSPENDER PANEL - 3 VALVES

NEW

OBSERVATION:
Pneumatic Suspension Activation Panel
3 Valves (without support)

CODE:
PA030024

THREADS:
M16 x 1,5mm / M12x1,5mm
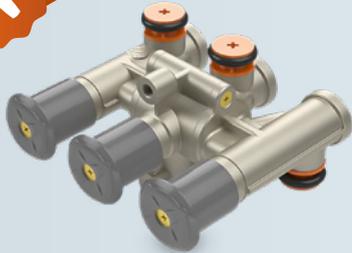
FUNCTIONS:

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

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

REPAIR:

VA130012

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

REPAIR:

VA130012

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

REPAIR:

VA130012

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:

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AND OTHERS

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GEAR CROWN

NEW

OBSERVATION:

Gear Crown
176mm diameter

CODE:

RP660005

FUNCTIONS:

ABS

WHEEL SENSOR

NEW

OBSERVATION:

Wheel Sensor
16 X 40 mm X 90° x 500mm

CODE: **THREADS:**

IC028505   M16 x 1.5mm

FUNCTIONS:

ABS Sensor

SHUNT/RELEASE VALVE

CODE:

VA320005

THREADS:

M16 x 1,5mm

FUNCTIONS:

Shunt/Release Valve

REPAIR:

RP590005   RP720005

ITEM:

NOMA FACCHINI
GUERRA AND OTHERS

PARKING VALVE

CODE:

VA370005

THREADS:

M16 x 1,5mm

FUNCTIONS:

Parking Valve

REPAIR:

RP590005   RP730005

ITEM:

NOMA FACCHINI
GUERRA AND OTHERS

SHUNT/RELEASE VALVE

OBSERVATION:

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

CODE:	THREADS:
VA010012	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

REPAIR:

RP020010   RP010010

ITEM:

NOMA   FACCHINI
GUERRA   AND OTHERS

PARKING VALVE

OBSERVATION:

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

CODE:	THREADS:
VA020012	M16 x 1,5mm (ports)
	M12 x 1,5mm (assembly with other valves in the panel)

FUNCTIONS:

Spring Brake Protection

Two Way Valve

Parking Valve

REPAIR:

RP040010   RP250005   RP010010

ITEM:

NOMA   FACCHINI
GUERRA   AND OTHERS

SHUNT/RELEASE VALVE

OBSERVATION:

This valve is part of the 4G Panel

CODE:	THREADS:
VA120012	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
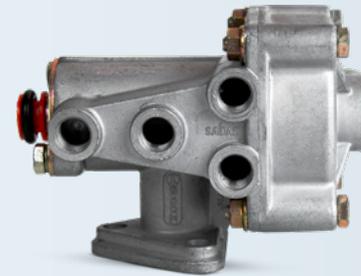
Shunt/Release Valve

REPAIR:

RP020012   RP010012

ITEM:

NOMA   FACCHINI
GUERRA   AND OTHERS

EMERGENCY RELAY VALVE

CODE:	OUTLET:	THREADS:
VA080005	3	M16 x 1,5mm
		M22 x 1,5mm
VA010008	4	M16 x 1,5mm
		M22 x 1,5mm
VA060008	3	1/4" NPT
		1/2" NPT

FUNCTIONS:

Relay Valve

Emergency Valve

REPAIR:

RP080005

ITEM:

NOMA   FACCHINI
GUERRA   AND OTHERS

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)

REPAIR:

RP620005   RP010010

ITEM:

NOMA   FACCHINI
GUERRA   AND OTHERS

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)

REPAIR:

RP620005   RP010010

ITEM:

NOMA   FACCHINI
GUERRA   AND OTHERS

LIFT AXLE VALVE (PUSH/PULL)

CODE:
VA280005

THREADS:
M16 x 1,5mm

FUNCTIONS:

Lift Axle Valve (Push-Pull Valve)

REPAIR:

RP590005   RP690005

ITEM:

NOMA   FACCHINI
GUERRA   AND OTHERS

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)

REPAIR:

RP620005   RP010010

ITEM:

NOMA   FACCHINI
GUERRA   AND OTHERS

RELAY VALVE

CODE:
VA150023

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

FUNÇÕES:

 Válvula
Relé

REPAIR:
RP150023

ITEM:
NOMA
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.

QUICK RELEASE VALVE

CODE:	**THREADS:**
VA020005	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:
NOMA
GUERRA
FACCHINI
AND OTHERS

QUICK RELEASE VALVE
WITH LOCKING FUNCTION

OBSERVATION:

Quick release valve with locking function.

CODE:	**THREADS:**
VA090008	M16 x 1,5mm M22 x 1,5mm

FUNCTIONS:

 Quick
Release

 Locking
Function

REPAIR:
RP090008
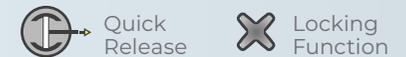
ITEM:
NOMA
GUERRA
FACCHINI
AND OTHERS

LEVELLING VALVE (W/O STOPPING STROKE)

CODE:
VA260005

THREADS:
M12 x 1,5mm

FUNCTIONS:
Levelling Valve

ITEM:
NOMA
GUERRA
FACCHINI
LIBRELATO
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:
NOMA
GUERRA
FACCHINI
LIBRELATO
AND OTHERS
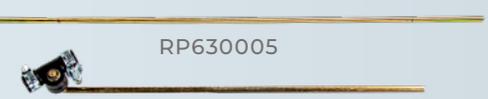
ACCESSORIES:
RP540005   RP560005   RP630005   RP550005

HEIGHT ADJUST VALVE
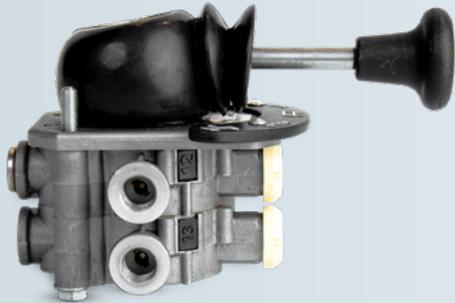
CODE:
VA060009

THREADS:
M16 x 1,5mm

FUNCTIONS:
Levelling Valve

ITEM:
NOMA
GUERRA
FACCHINI
LIBRELATO
AND OTHERS

OVERFLOW VALVE

CODE:
VA290005

THREADS:
M16 x 1,5mm

FUNCTIONS:
Pressure Protection Valve

REPAIR:
RP290005

ITEM:
NOMA
GUERRA
FACCHINI
AND OTHERS

SPRING-BRAKE PROTECTION VALVE

CODE:
VA250005

THREADS:
M16 x 1,5mm

FUNCTIONS:

Spring Brake Protection

REPAIR:
RP250005

ITEM:
NOMA
GUERRA
FACCHINI
AND OTHERS

2/2 WAY VALVE

CODE:
VA310005

THREADS:
M16 x 1,5mm

FUNCTIONS:

Locking Function

REPAIR:
RP070005

ITEM:
NOMA
GUERRA
FACCHINI
AND OTHERS

3/2 WAY VALVE

CODE:
VA300005

THREADS:
M16 x 1,5mm

FUNCTIONS:

Locking Function

REPARO:
RP070005

ITEM:
NOMA
GUERRA
FACCHINI
AND OTHERS

DOUBLE 3/2 WAY VALVE

CODE:
VA060015

THREADS:
M16 x 1,5mm

FUNCTIONS:

Locking Function

REPARO:
RP070005

ITEM:
NOMA
GUERRA
FACCHINI
AND OTHERS
LIBRELATO

TWO WAY VALVE

CODE:
VA030008

THREADS:
M16 x 1,5mm

FUNCTIONS:

Two Way Valve

REPAIR:
RP050008

ITEM:

NOMA FACCHINI AND OTHERS
GUERRA LIBRELATO

TWO WAY VALVE

CODE:
VA050008

THREADS:
M16 x 1,5mm

FUNCTIONS:

Two Way Valve

REPAIR:
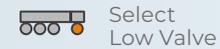RP050008

ITEM:

NOMA FACCHINI
GUERRA AND OTHERS

SELECT LOW VALVE

CODE:
VA050016

THREADS:
M16 x 1,5mm

FUNCTIONS:

Select Low Valve

REPAIR:
RP050016

ITEM:

NOMA FACCHINI
GUERRA AND OTHERS

SELECT LOW VALVE W/ LOCKING FUNCTION

CODE:
VA040016

THREADS:
M16 x 1,5mm
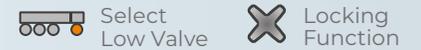
FUNCTIONS:

Select Low Valve   Locking Function

REPAIR:
RP040016

ITEM:

NOMA FACCHINI
GUERRA AND OTHERS

PRESSURE REGULATOR VALVE

OBSERVATION:

The VA010020 part number replaces the old VA050012

CODE:	THREADS:
VA010020	1/8" BSP
VA030022	1/4" BSP

FUNCTIONS:

Pressure Regulator Valve

ITEM:

NOMA   FACCHINI   AND OTHERS
(GUERRA)   LIBRELATO

MANOMETER WITH GLYCERIN

CODE:

IC015705

FIXATION:

External Thread 1/8" BSP

ITEM:

NOMA   FACCHINI   AND OTHERS
(GUERRA)   LIBRELATO

BREX
PNEUMATIC BRAKE SYSTEMS

IN LINE FILTER (BY-PASS)

+ COST-EFFECTIVE

CODE:	BODY:	THREADS:
VA050022	Plastic	M16 x 1,5mm

FUNCTIONS:

In Line Filter with By-Pass

REPAIR:

RP050005

ITEM:

NOMA   FACCHINI
(GUERRA)   AND OTHERS

IN LINE FILTER (BY-PASS)

CODE:	BODY:	THREADS:
VA050005	Aluminium	M16 x 1,5mm
VA070011	Aluminium	M22 x 1,5mm

FUNCTIONS:

In Line Filter with By-Pass

REPAIR:

RP050005

ITEM:

NOMA   FACCHINI
(GUERRA)   AND OTHERS

EMERGENCY MANUAL COUPLING HEAD

CODE:

VA230005

THREADS:

M16 x 1,5mm

FUNCTIONS:

Coupling Head

REPAIR:

RP230005

ITEM:

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

SERVICE MANUAL COUPLING HEAD

CODE:

VA240005

THREADS:

M16 x 1,5mm

FUNCTIONS:

Coupling Head

REPAIR:

RP230005

ITEM:

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

EMERGENCY AUTOMATIC COUPLING HEAD

CODE:

VA130005

THREADS:

M16 x 1,5mm

FUNCTIONS:

Coupling Head

REPAIR:

RP130005

ITEM:

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

SERVICE AUTOMATIC COUPLING HEAD

CODE:

VA140005

THREADS:

M16 x 1,5mm

FUNCTIONS:

Coupling Head

REPAIR:

RP130005

ITEM:

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

MANIFOLD WITH TWO OUTLETS

NEW MODEL

CODE:
VA070008

THREADS:
M16 x 1,5mm

FUNCTIONS:
Manifold

ITEM:
NOMA **FACCHINI** AND OTHERS
GUERRA **LIBRELATO**

MANIFOLD WITH FOUR OUTLETS

CODE:
VA080008

THREADS:
M16 x 1,5mm

FUNCTIONS:
Manifold

ITEM:
NOMA **FACCHINI** AND OTHERS
GUERRA **LIBRELATO**

PORT PROTECTOR

NEW MODEL

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

ITEM:
NOMA **FACCHINI**
GUERRA AND OTHERS

ONE WAY VALVE WITHOUT RETURN

CODE:
VA110005

THREADS:
M16 x 1,5mm
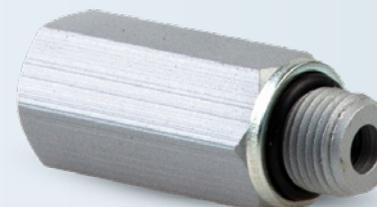
ITEM:
NOMA **FACCHINI**
GUERRA AND OTHERS

BREX
PNEUMATIC BRAKE SYSTEMS

BRACKET AND COVER ASSEMBLY

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

ITEM:

NOMA
GUERRA
FACCHINI
AND OTHERS

PLASTIC COVER

CODE:

PA010107

ITEM:

NOMA
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 unecessary friction and system overheating.

EMERGENCY VALVE

Automatically activates brake application in case of system depressurization.
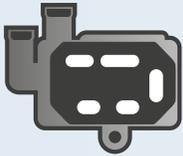
TS - TRAILER STABILITY

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.
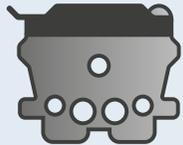
ABS - ANTI-LOCK BRAKE SYSTEM

Helps maintain control during emergency braking and improves efficiency in low grip conditions.
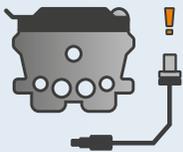
SHUNT/RELEASE VALVE

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.
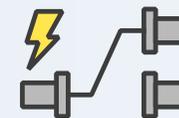
ABS SENSOR

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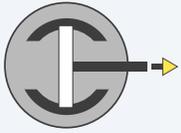
PARKING VALVE

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.

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.

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).

SELECT LOW VALVE

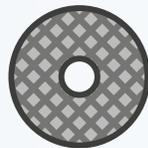It has the function of a 3rd mechanical modulator, applied to the steered axle.

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.

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.

BREX
PNEUMATIC BRAKE SYSTEMS