FLUID-APP
HYDRAULICS

BSPP IN-LINE VALVES

SOLENOID VALVES

CARTRIDGE VALVES

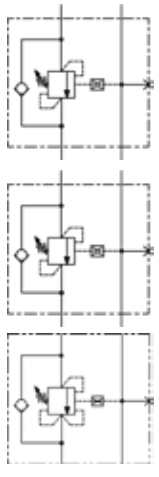
SAE/NPTF IN-LINE VALVES

MADE IN ITALY

BSPP IN-LINE VALVES

single counterbalance valves

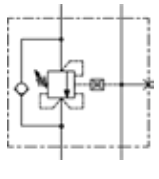
The counterbalance valves allow to keep a load locked, the built-in relief valve protects the system from overpressure in the cylinder by sending the oil to drain.



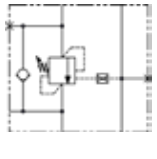
BSA
Single counterbalance valves for open center, also with stainless steel body

BSAY
Single counterbalance valves for open center

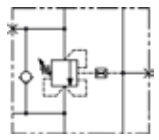
BSCY
Single counterbalance valves for closed center



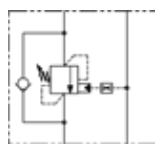
BSC
Single counterbalance valves for closed center



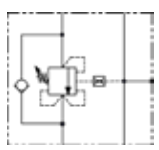
BSI
Single counterbalance valves for open center - flanged version



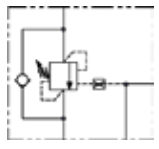
BSL
Single counterbalance valves for closed center - flanged version



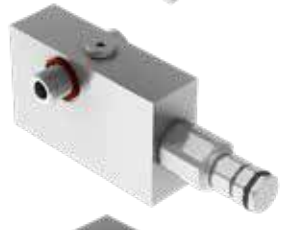
BSD
Single counterbalance valves for open center

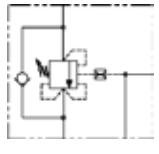


BSE
Single counterbalance valves for closed centee

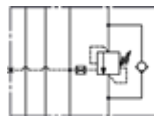


BSB
Bolt fitting single counterbalance valves for open center

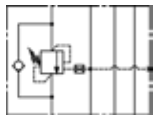




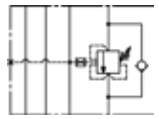
BSP
Bolt fitting single counterbalance valves for closed center



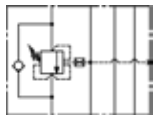
BCG
Single counterbalance valves - CETOP3 (A) for open center



BCE
Single counterbalance valves - CETOP3 (B) for open center



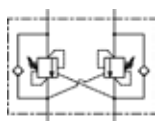
BCH
Single counterbalance valves - CETOP3 (A) for closed center



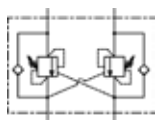
BCF
Single counterbalance valves - CETOP3 (B) for closed center

Double counterbalance valves

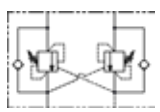
The double counterbalance valves allow to keep a load locked, the built-in relief valve protects the system from overpressure in the cylinder by draining the oil.



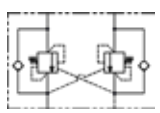
BDA
Double counterbalance valves for open center, also with stainless steel body



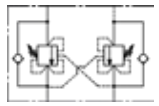
BDAY
Double counterbalance valves for open center



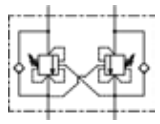
BDD
Double counterbalance valves for open center



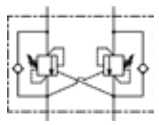
BDE
Double counterbalance valves fixed setting for open center



BDCY
Double counterbalance valves for closed center

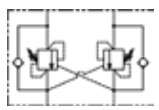


BDC
Double counterbalance valves for closed center

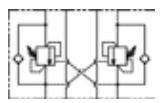


BFA
Double counterbalance valves for open center - flanged version

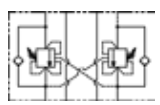
BFC
Double counterbalance valves for closed center - flanged version



BDB
Double acting counterbalance valves for open center - bolt fitting



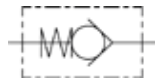
BCA
Double counterbalance valves - CETOP3 for open center



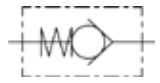
BCC
Double counterbalance valves - CETOP3 for closed center

Check valves

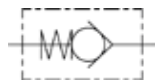
The check valves allow the full flow of oil in one direction and stop the flow in the opposite direction. The applications where these valves can be used are many, agricultural machinery or industrial installations.

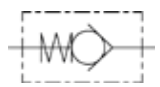
UFC
Check valves

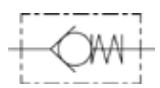
UTC
Poppet check valves

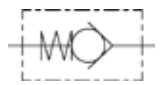
UMC
Check valves

VUC
Poppet check valves

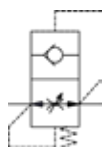
VUD
Poppet check valves

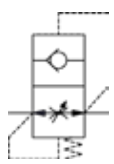
VUS
Ball check valves

Hose burst

The hose burst valves are mounted directly on the cylinder to avoid an uncontrolled descent of the load in the event of a hose break.

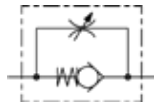
VBA
Hose burst valves

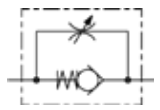
VBAT
Hose burst valves

Unidirectional flow control valves

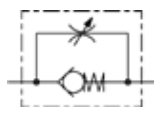
The unidirectional flow control valves allow the free passage of the oil in one direction and regulate it in the opposite direction.

SUA
Unidirectional flow control valves

SUD
Unidirectional flow control valves

VCU
Unidirectional flow control valves

Bidirectional flow control valves

The bidirectional flow control valves regulate the speed of an actuator in both directions.

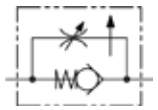

SBA
Bidirectional flow control valves


SBD
Bidirectional flow control valves

VCB
Bidirectional flow control valves

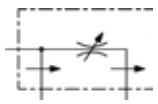
Flow control valves, pressure compensated

Flow control valves pressure compensated allow the free passage of oil in one direction and regulates the flow in the opposite direction. The internal compensation system keeps the actuator speed constant, regardless of the load, and guarantees high adjustment sensitivity.

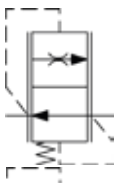


CFR
Flow control valves - pressure compensated

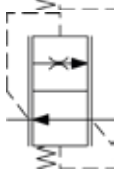
RCT
3 ways flow control valves - pressure compensated with exceeding flow to tank



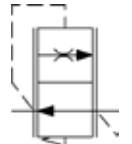
RCP
3 ways flow control valves - pressure compensated with exceeding flow to pressure



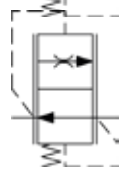
F1B
1/4 BSPP flow control valves - pressure compensated



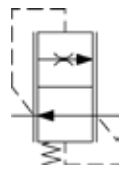
F1T
1/4 BSPP flow control valves - pressure compensated - double srew driver cut



F1E
1/4 BSPP flow control valves - pressure compensated



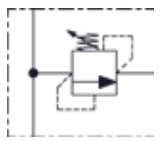
F1C
D. 12.7 flow control valves - pressure compensated



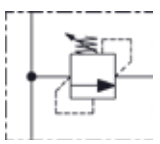
F2B
3/8 BSPP flow control valves - pressure compensated

Relief valves with manifold

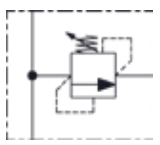
The purpose of the pressure relief valves is to protect the hydraulic system from malfunctions or failures caused by excessively high pressures in the circuit.



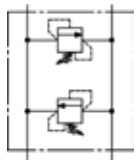
M20B
Relief valves 30 l/min



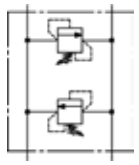
M40B
Relief valves 50 l/min



M80B
Relief valves 80 l/min

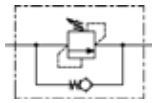


VAA
Double cross relief valves 50 l



VAD
Double cross relief valves for engined OMR-OMP

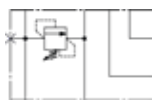
Sequence valves



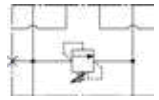
VSD
Sequence valves

Cetop valves

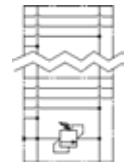
The Cetop valves allow the assembly of a single CETOP solenoid valve, they are supplied with a relief valve.



MC3
CETOP3



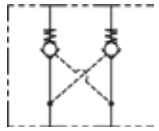
MC5
CETOP5



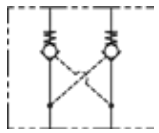
MM WITH RELIEF VALVE
CETOP3

Double pilot check valves

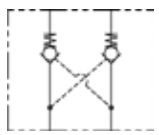
The double pilot check valves are used to lock a double acting actuator in place in both directions, ensuring the load is locked.



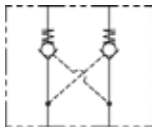
VBD
Double acting pilot check valves



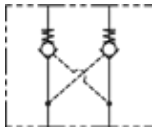
VBDT
DIN2353 Double acting pilot check valves



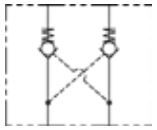
VBDG
DIN2353 Double acting pilot check valves - with adjustable banjo



VBR
Double acting pilot operated check valves - bolt fitting



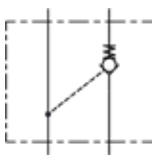
VPD
Double acting pilot check valves



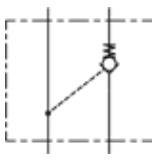
VPF
Double acting pilot check valves - flanged version

Single pilot check valves

The single pilot check valves are used to lock a single acting cilinder, ensuring the load is locked.



VBS
Single acting pilot check valves



VBST
DIN2353 Single acting pilot check valves

VSP RIGHT
Single acting pilot check valves with manual shut-off

VSP LEFT
Single acting pilot check valves with manual shut-off

VPL
Single acting pilot check valves

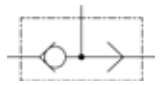
Flow dividers

Flow dividers/unifiers allow the inlet flow to be divided into two equal parts, while in the opposite direction they unify it.

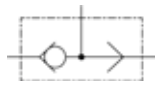
VDF
Flow dividers

Shuttle valves

VSS shuttle valves are used when two pressure lines converge in the valve at the same time (the lower pressure line locks).



VSS
Shuttle valves

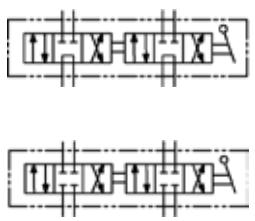


VSSY
Shuttle valves

High pressure flow diverters

The high pressure flow diverters are used when the oil flow must be reversed.

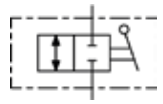
D3H
High pressure 3-way flow diverters



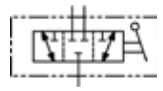
D6H
High pressure 6-way flow diverters

Ball valves

The high pressure ball valves are used when you have to open or close an oil flow.



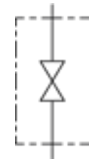
GE2
2 ways high pressure ball valves



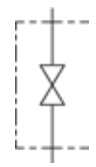
GE3
3 ways high pressure ball valves

Shut-off valves

Shut-off in line valves are normally used to protect the pressure gauge.



RL
In line shut-off valves



RT
In line shut-off valves

Test couplings

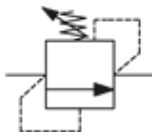
Test couplings are used to manually check the pressure inside a system.

MPP
Test couplings for pressure checking

CARTRIDGE VALVES

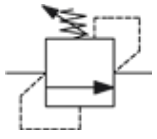
Relief valves

The purpose of pressure relief valves is to protect the hydraulic system from malfunctions or failures caused by excessively high pressures in the circuit.



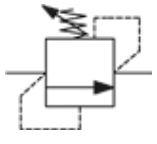
M20

SAE8/2 Direct acting relief valves - non guided version



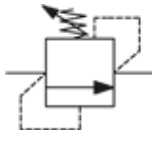
M22

SAE8/2 Direct acting relief valves - guided version



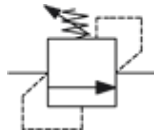
M30

M20x1,5 Direct acting relief valves - guided version



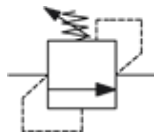
M40

M20x1,5 Direct acting relief valves - guided version



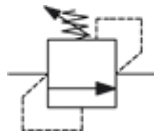
M42

SAE10/2 Direct acting relief valves - guided version



M80

M24x1,5 Direct acting relief valves - guided version



M161

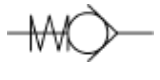
M32x1,5 Direct acting relief valves

Cartridge valves

UC2

SAE8/2 Check valves poppet type.

The UC2 cartridge check valve allows free oil flow in one direction and blocks it in the opposite direction.



UC3

SAE10/2 Check valves poppet type.

The UC3 cartridge check valve allows free oil flow in one direction and blocks it in the opposite direction.

UC3M

M20 x 1,5 Check valves poppet type.

The UC3M cartridge check valve allows free oil flow in one direction and blocks it in the opposite direction.

UC4M

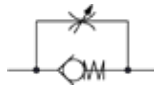
M26 x 1,5 Check valves poppet type.

The UC4M cartridge check valve allows free oil flow in one direction and blocks it in the opposite direction.

UC5S

SAE16 Check valves poppet type.

The UC5S cartridge check valve allows free oil flow in one direction and blocks it in the opposite direction.



CU2

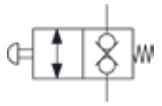
SAE8/2 Unidirectional flow control valves.

The one-way flow control valves allow regulation in one direction and free passage in the opposite direction.

CB2

SAE8/2 Bidirectional flow control valves.

Bidirectional flow control valves, allow flow regulation in both directions.



VM2

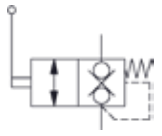
SAE8/2 Emergency valves.

The bidirectional valves, with direct action VM2 normally closed 2 ways 2 positions, allow manual intervention, the opening is obtained by manually pushing the rear button, removing the hand automatically the valve closes.

PM2

SAE8/2 Hand pumps.

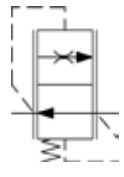
PM2 hand pumps are made in SAE8/2 cavities, often mounted as emergency on mini power packs or mounted on integrated blocks.



VC2

SAE8/2 Double seal direct acting manually operated valves.

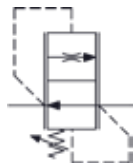
The VC2 manually operated valves are made in SAE8/2 cavities and operated manually by means of a lever.



DC2

SAE8/2 Fixed flow control valves - pressure compensated.

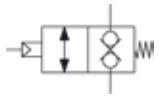
Compensated flow control valve, allows the free passage of oil in one direction and regulates the flow in the opposite direction. The internal compensation system keeps the actuator speed constant, regardless of the load.



DR2

SAE8/2 Adjustable flow control valves - pressure compensated.

Adjustable compensated flow control valve, used to keep the speed constant, regardless of the working pressure.



VP2

SAE8/2 Peumatic operated valves.

2-way/2-position pneumatic control valve, made in SAE8/2 cavity with pilot pressure 4/15 bar.

VBC

M22x1,5 Single acting pilot check valves.

The single action pilot check valves are used to lock a single acting actuator in position, ensuring the blocking of the load.

VDF3

SAE10/4 Flow dividers.

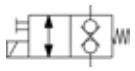
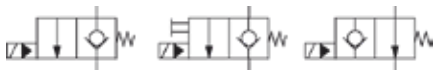
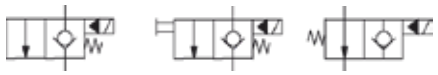
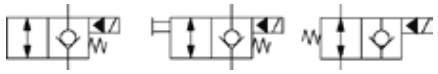
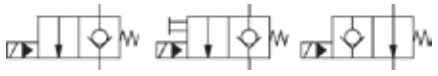
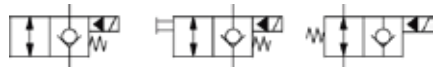
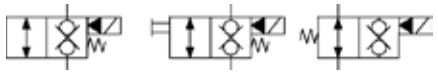
The flow divider/combiner valves guarantee the division of the flow into two equal parts or the reunification in the opposite direction.




SOLENOID VALVES

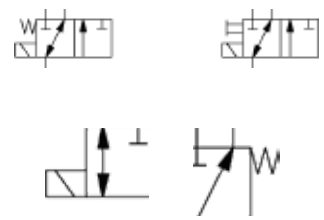
SAE8/2 solenoid valves

Solenoid valves 2 ways 2 positions.

	**E2F28**
	**E2S20**
	**E2L20**
	**E2S22**
	**E2S24**
	**E2S26**
	**E2S28**

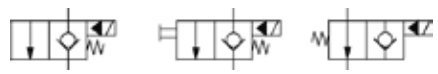
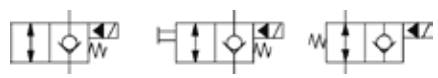
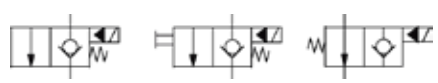
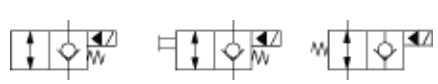
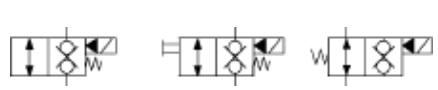
SAE8/3 solenoid valves

Solenoid valves 3 ways 2 positions.

	**E6S30**
	E6S31

SAE10/2 solenoid valves

Solenoid valves 2 ways 2 positions.

	**E3S20**
	**E3S22**
	**E3S24**
	**E3S26**
	**E3S28**

C22
Coils

CNS
Connectors

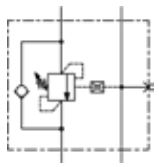
Manifold SAE8/2

Manifold SAE10/2

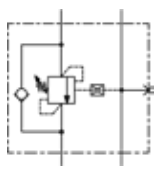
SAE/NPTF IN-LINE VALVES

Single counterbalance valves

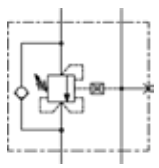
The counterbalance valves allow to keep a load locked, the built-in relief valve protects the system from overpressure in the cylinder by sending the oil to drain.

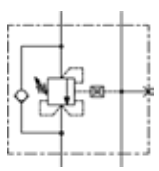
BSA
SAE single counterbalance valves for open center

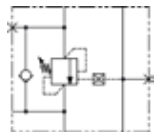
BSA
NPTF single counterbalance valves for open center

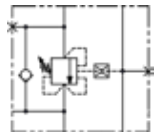
BSC
SAE single counterbalance valves for closed center

BSC
NPTF single counterbalance valves for closed center

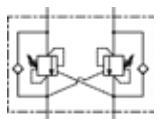
BSI
SAE single counterbalance valves for open center - flanged version



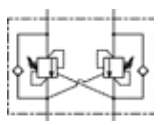
BSL
SAE single counterbalance valves for closed center - flanged version

Double counterbalance valves

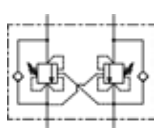
The double counterbalance valves allow to keep a load locked, the built-in relief valve protects the system from overpressure in the cylinder by draining the oil.

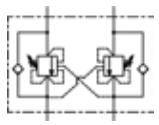
BDA
SAE double counterbalance valves for open center

BDA
NPTF double counterbalance valves for open center

BDC
SAE double counterbalance valves for closed center



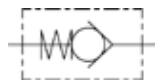
BDC
NPTF double counterbalance valves for closed center

BFA
SAE double counterbalance valves for open center - flanged version

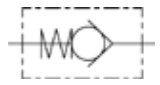
BFC
SAE double counterbalance valves for closed center - flanged version

Check valves

The check valves allow the full flow of oil in one direction and stop the flow in the opposite direction.



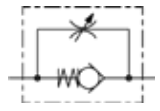
UFC
SAE check valves



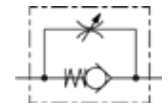
UFC
NPTF check valves

Unidirectional flow control valves

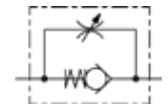
The unidirectional flow control valves allow the free passage of the oil in one direction and regulate it in the opposite direction.



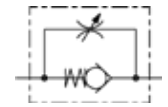
SUA
SAE unidirectional flow control valves



SUD
SAE unidirectional flow control valves



SUA
NPTF unidirectional flow control valves



SUD
NPTF unidirectional flow control valves

Bidirectional flow control valves

The bidirectional flow control valves regulate the speed of an actuator in both directions.

SBA
SAE bidirectional flow control valves

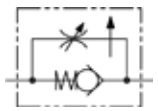
SBD
SAE bidirectional flow control valves

SBA
NPTF bidirectional flow control valves

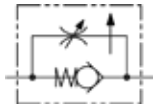
SBD
NPTF bidirectional flow control valves

Flow control valves pressure compensated

Flow control valves pressure compensated allow the free passage of oil in one direction and regulates the flow in the opposite direction. The internal compensation system keeps the actuator speed constant, regardless of the load, and guarantees high adjustment sensitivity.



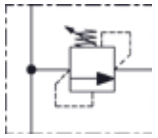
CFR
SAE flow control valves - pressure compensated



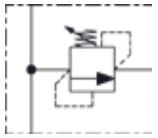
CFR
NPTF flow control valves - pressure compensated

Relief valves

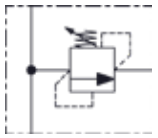
The purpose of the pressure relief valves is to protect the hydraulic system from malfunctions or failures caused by excessively high pressures in the circuit.



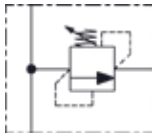
M20S
SAE relief valves 30 l/min



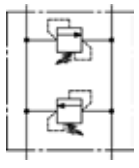
M40S
SAE relief valves 50 l/min



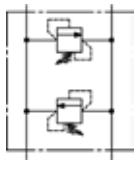
M80S
SAE relief valves 80 l/min



M161S
SAE relief valves 80 l/min



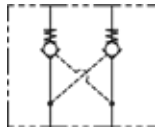
VAA
SAE double cross relief valves 50 l



VAAH
SAE double cross relief valves for engined OMR-OMP

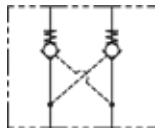
Double pilot check valves

The double pilot check valves are used to lock a double acting actuator in place in both directions, ensuring the load is locked.



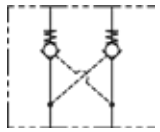
VBD

SAE double acting pilot check valves



VBDT

SAE DIN2353 Double acting pilot check valves

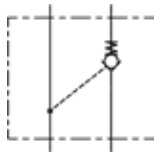


VPD

SAE double acting pilot check v alves

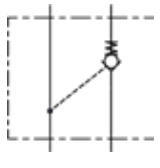
Single pilot check valves

The single pilot check valves are used to lock a single acting cilinder, ensuring the load is locked.



VBS

SAE single acting pilot check valves

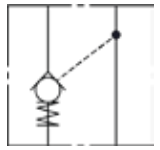


VBST

SAE DIN2353 Single acting pilot check valves

VPL

SAE single acting pilot check valves

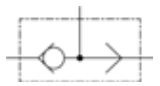


VPS

SAE single acting pilot check valves

Shuttle valves

VSS shuttle valves are used when two pressure lines converge in the valve at the same time (the lower pressure line locks).



VSS

SAE shuttle valves




Ready for your APPLICATION

CONSTRUCTION
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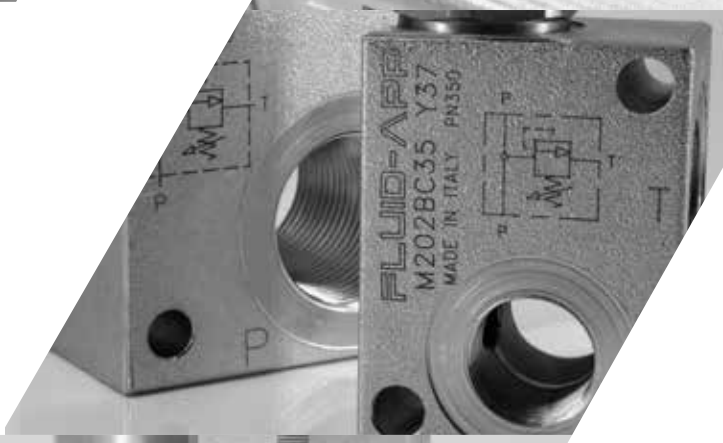
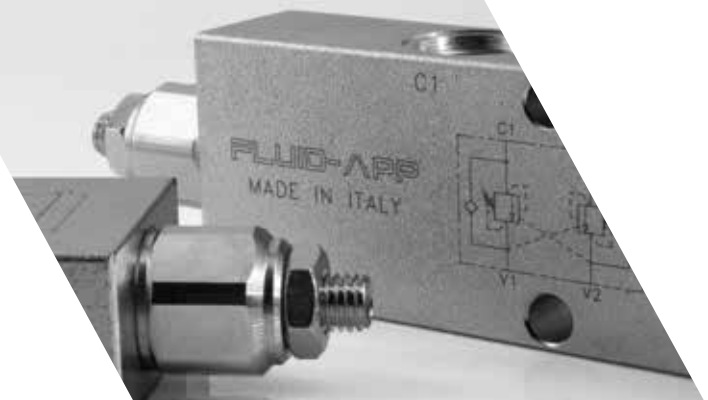
ECOLOGY
INDUSTRY
MARINE
ROAD











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Fluid-app is a player in the hydraulic valves and components market.

A Company with long experience in the field.
Its founders have been working for almost twenty years in the production of hydraulic components **made in Italy** to always offer the best in terms of **quality, reliability and on-time delivery**.

Years and years of consolidated technical and production experience at the service of the customer, also to study and customise products in synergy.

In its plant in Reggio Emilia, in the heart of the Italian hydraulics territory, Fluid-app designs and manufactures a wide range of hydraulic valves and components for many applications: from the agricultural to the earth-moving sector, from building to ecology, from transport to industrial vehicles.

Fluid-App,
the value of experience!

Fluid–App
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assofluid

ASSOFLUID Italian Association of Manufacturers and Operators in the Hydraulics and Pneumatics Sector.

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FEDERTEC is the federation that represents the entire chain of the Italian industry of Components and Mechatronic Technologies for Fluid Power, Power Transmission, Control and Intelligent Automation of Products and Industrial Processes.

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