FLUID-PRESS

COMPANY PRESENTATION

Hydraulic Valves

&

Manifold Blocks

FLUID-PRESS

Contents

Who we are

FLUID-PRESS is leader in the manufacturing of hydraulic valves and manifold blocks.

Established in Albinea (RE), the company engages in a constant search for innovative solutions, which has led to its great success.

FLUID-PRESS has three plants with a total surface area of 9.000 square mt.

MADE IN

REGGIO EMILIA

Quality

UNI EN ISO 9001:2008 - certified in 1998, to meet the demands of an increasingly selective market, FLUID-PRESS has developed a philosophy of quality combined with maximum flexibility.

With the use of advanced technology, this philosophy enables the company to fully satisfy the Customers' requirements.

Quality Dept.

Production Dept.

Assembling Dept.

Mission & Vision

The company is oriented towards innovation and design of solutions which use top-quality components.

We support all customers with professionalism and competence, and we provide them with technical and commercial help.

Our innovative solutions establish long-lasting relationships of mutual trust with our partners.

We work with passion and have collaborators proud to be part of **FLUID-PRESS**.

Our History

The year was 1971. The three brothers Alvo, Aldo and Attilio Tagliavento started the production of hydraulic components in Albinea (Reggio Emilia).

Today FLUID-PRESS is part of DexKo Global and it is managed with the help of motivated and competent managers.

A solid base for an ongoing growth, the company has its foundations on 52 years of commitment, devotion and passion.

Milestones

A new Era starts.

We are part of
DexKo Global Inc.
October 6th 2022

1971
Foundation

1984
First plant is bought

1998
ISO9001

2000
Second plant is bought

2014
Mariani is taken over

2015
Tecnoil Hydraulics is taken over

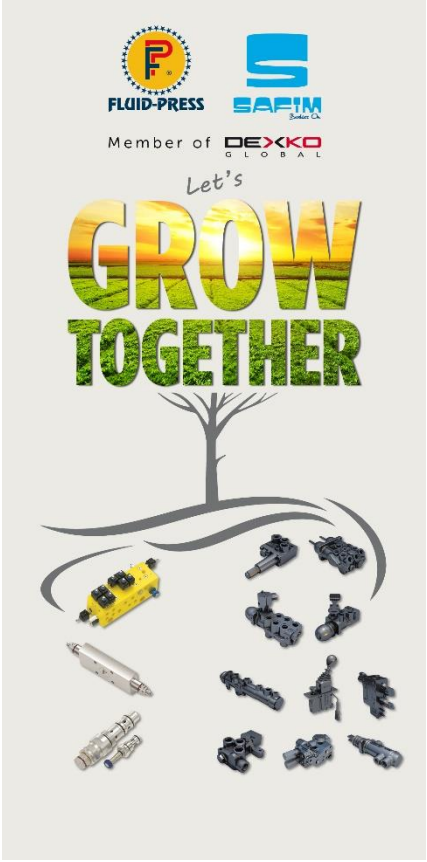
2022
Third plant is operational

2023
FLUID - PRESS SRL

The Group Today

Member of DEXKO GLOBAL

Together is Better



Better together: part of DexKo Global

- DexKo Global is a leading global manufacturer of high-quality chassis technology, chassis assemblies, accessories and hydraulic components with more than 130 years of experience.
- DexKo Global was formed in 2016 through the merger of Dexter and AL-KO Vehicle Technology.
- The company is headquartered in Novi, Michigan/USA, and employs around 7,000 people at more than 100 production sites and distribution centers.

FLUID-PRESS Product Range

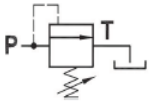
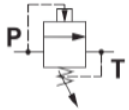
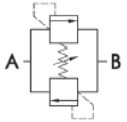
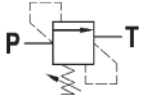
We are constantly updating our range of products so that it is always in line with your needs.
Tailor-made solutions suitable for every industrial application are available on demand.

CARTRIDGE VALVES different cavities available

PRESSURE RELIEF VALVES

Prevent high pressure spikes in the hydraulic circuit from damaging the system components.

Technical Features

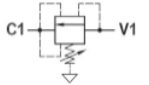
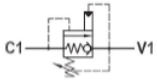
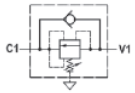
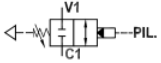
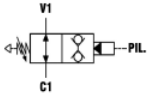
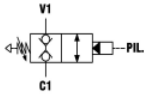
Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPM-D-C	Azione Diretta / *Direct Acting*	05 – 80	350 bar – 5100 psi
	FPM-D-S08-C	Azione Diretta cavità SAE / *Direct Acting SAE cavity*	50	350 bar – 5100 psi
	FPM-D-S10	Azione Diretta cavità SAE / *Direct Acting SAE cavity*	70	350 bar – 5100 psi
	FPM-D-F-C	Azione Diretta mont. Pannello / *Direct Acting panel mounted*	15 – 80	350 bar – 5100 psi
	FPMHP-D-C	Azione Diretta pressioni elevate / *Direct Acting high pressure*	30 – 120	420 bar – 6090 psi
	FPM-I-D-3-P	Azione Diretta guided poppet / *Direct Acting guided poppet*	3	260 bar – 3770 psi
	FPM-P-150-C	Pilotata a cursore / *Pilot operating sliding spool type*	150	350 bar – 5100 psi
	FPM-P-S10-C	Pilotata a cursore, cavità SAE / *Pilot operating sliding spool type, SAE cavity*	110	350 bar – 5100 psi
	FPM-D-S08-IL-C	Bidirezionale cavità SAE / *Bidirectional SAE cavity*	50	350 bar – 5100 psi
	FPM-A-S08-C	Azione Diretta, area differenziata, cavità SAE / *Direct Acting, differential piston, SAE cavity*	50	350 bar – 5100 psi

CARTRIDGE VALVES different cavities available

SEQUENCE VALVES

Pressure control valves designed to sequence the hydraulic operations with in a hydraulic system dependent on applied pressure.

Technical Features

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPSQB-D-30-C	Azione Diretta / *Direct Acting*	40	350 bar – 5100 psi
	FPSQ-A-25-C	Area differenziale con ritorno l' / *Differential piston free reverse flow*	25	350 bar – 5100 psi
	FPSQB-D-25-C	Azione Diretta, bilanciata / *Direct Acting, balanced*	25	220 bar – 3190 psi
	FPSQB-D-60-C	Azione Diretta, bilanciata / *Direct Acting, balanced*	60	220 bar – 3190 psi
	FPSQB-D-30-C-NA	Azione Diretta, bilanciata, normalmente aperta / *Direct Acting, balanced, normally open*	30	350 bar – 5100 psi
	FPSQB-D-30-C-NC	Azione Diretta, bilanciata, normalmente chiusa / *Direct Acting, balanced, normally closed*	30	350 bar – 5100 psi
	FPSQB-D-PD-30-C-NA	Valvola di sequenza bilanciata, ad azione diretta, a cartuccia, normalmente aperta / *Direct acting, fully balanced sequence valve, cartridge version, normally open*	30	350 bar – 5100 psi
	FPSQB-D-PD-30-C-NC	Valvola di sequenza bilanciata, ad azione diretta, a cartuccia, / *Direct acting, fully balanced sequence valve, cartridge version, normally closed*	30	350 bar – 5100 psi

FLUID-PRESS Product Range

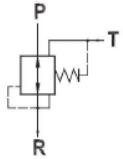
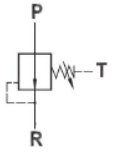
FLUID-PRESS Application

CARTRIDGE VALVES different cavities available

PRESSURE REDUCING VALVES

Maintains lower pressures in branches of a hydraulic system.

Technical Features

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPRPF-D-2-C	Azione Diretta, taratura fissa / *Direct Acting, fixed setting*	2	350 bar – 5100 psi
	FPRP-D-30-C	Azione Diretta, con relief / *Direct Acting with reverse relief*	30	350 bar – 5100 psi
	FPRPN-D-30-C	Azione Diretta, con relief / *Direct Acting with reverse relief*	30	350 bar – 5100 psi
	FPRP-P-60-C	Pilotata con relief / *Pilot operated with reverse relief*	60	350 bar – 5100 psi
	FPRP-P-150-C	Pilotata / *Pilot operated*	150	350 bar – 5100 psi

CARTRIDGE VALVES different cavities available

CHECK VALVES (1) AND SINGLE PILOT OPERATED CHECK VALVES (2)

1. Allow the free flow in one direction while stopping it from the opposite direction.
2. They block a cylinder or an actuator port preventing the flow in the opposite direction until the pilot release pressure is applied.

Technical Features

1

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPR-C	Versione cartuccia / *Cartridge version*	15 – 70	350 bar – 5100 psi
	FPR-C-S	Versione cartuccia, cavità SAE / *Cartridge version, SAE cavity*	50 – 120	350 bar – 5100 psi
A1 — A	FPR-C-S08-S	Versione cartuccia, tenuta a sfera, cavità SAE / *Cartridge version, cartridge ball version, SAE cavity*	50	350 bar – 5100 psi
	FPR-CR-SAE	Versione cartuccia, cavità SAE / *Cartridge version, SAE cavity*	20 – 100	350 bar – 5100 psi

2

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPS-C	Versione cartuccia / *Cartridge version*	15 – 40	350 bar – 5100 psi
PIL. A1 — A	FPS-C-S	Versione cartuccia, cavità SAE / *Cartridge version, SAE cavity*	30 – 90	350 bar – 5100 psi
	FPS-CR	Versione cartuccia, cavità SAE / *Cartridge version, SAE cavity*	20 – 70	350 bar – 5100 psi
PIL. C1 — V1	FPS-CR-1/2	Valvola di blocco pilotata, versione cartuccia, cavità GAS / *Pilot operated check valve, cartridge version, GAS cavity*	30	350 bar – 5100 psi
PIL. C1 — V1	FPSFB-CR-70	Versione cartuccia bilanciata / *Cartridge version fully balanced*	70	350 bar – 5100 psi

CARTRIDGE VALVES different cavities available

RESTRICTOR VALVES (1) AND NEEDLE VALVES (2)

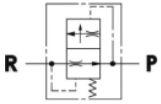
1. They allow the free flow in one direction thanks to a check valve while controlling the flow in the opposite direction.
2. They control the flow in both directions controlling it through the rotation of a knob or screw with hexagonal socket.

Technical Features

1

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPU-C	Cavità SAE / *SAE cavity*	20 – 140	350 bar – 5100 psi

2

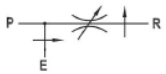
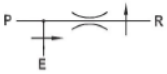
Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
		Cavità SAE / *SAE cavity*	40 – 140	350 bar – 5100 psi
	FPRBCF-30-C FPRBCF-60-C	Regolatore di flusso a 2 vie compensato fisso, a cartuccia / *Two way pressure compensated, fixed flow regulator, cartridge version*	30 60	350 bar – 5100 psi 350 bar – 5100 psi
	FPRBCF-90-C	Regolatore di flusso a due vie compensato fisso, a cartuccia / *Two way pressure compensated, fixed flow regulator, cartridge version*	90	350 bar – 5100 psi

CARTRIDGE VALVES different cavities available

COMPENSATED FLOW CONTROL VALVES

They control of the flow to keep it constant while the supply flow and pressure may vary.

Technical Features

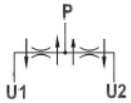
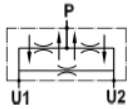
Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPVP-50-C-R	Regolatore di flusso a tre vie compensato, con eccedenza in pressione / *three way, pressure compensated flow regulator, with exceeding flow in pressure*	50	350 bar – 5100 psi
	FPVP-90-C-R	Regolatore di flusso a tre vie compensato, con eccedenza in pressione / *three way, pressure compensated flow regulator, with exceeding flow in pressure*	90	350 bar – 5100 psi
	FPVPF-60-C	Regolatore di flusso a tre vie compensato, con eccedenza in pressione / *three way, pressure compensated fixed flow regulator, with exceeding flow in pressure*	60	350 bar – 5100 psi
	FPVPF-90-C	Regolatore di flusso a tre vie compensato, con eccedenza in pressione / *three way, pressure compensated fixed flow regulator, with exceeding flow in pressure*	90	350 bar – 5100 psi

CARTRIDGE VALVES different cavities available

FLOW DIVIDER – COMBINER

Splits the flow and compensates for pressure differences.

Technical Features

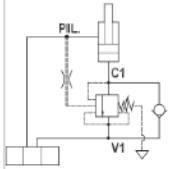
Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPFD	Cavità SAE / *SAE cavity*	1 – 150	350 bar – 5100 psi
	FPFD-S10-C-SP-11B	Divisore-riunificatore di flusso, anti stallo / *Flow divider-combiner, anti stall features*	50	350 bar – 5100 psi

CARTRIDGE VALVES different cavities available

OVERCENTER VALVES
(Counterbalance)

Controls the actuator (cylinder or hydraulic motor) in a hydraulic system for overriding or suspended loads.

Technical Features

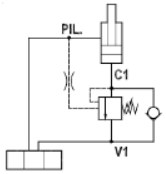
Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPOFB-15-CM	Cavità metrica / *Metric cavity*	15	350 bar – 5100 psi
	FPOFB-25-CM	Cavità metrica / *Metric cavity*	25	350 bar – 5100 psi
	FPOFB-150-C-35	Cavità metrica / *Metric cavity*	150	350 bar – 5100 psi
	FPOFB-300-C-35	Cavità metrica / *Metric cavity*	300	350 bar – 5100 psi
	FPOFB-25-C	Cavità SAE 08 / *SAE 08 cavity*	25	350 bar – 5100 psi
	FPOFB-50-C	Cavità metrica / *Metric cavity*	50	350 bar – 5100 psi
	FPOFB-60-C	Cavità SAE 10 / *SAE 10 cavity*	60	350 bar – 5100 psi
	FPOFB-100-C	Cavità SAE 12 / *SAE 12 cavity*	100	350 bar – 5100 psi
	FPOFB-60-CT	Cavità SUN / *SUN cavity*	60	350 bar – 5100 psi
	FPOFB-100-CT	Cavità SUN / *SUN cavity*	100	350 bar – 5100 psi
	FPOFB-140-CT	Cavità SUN / *SUN cavity*	140	350 bar – 5100 psi

CARTRIDGE VALVES different cavities available

COMPENSATED OVERCENTER VALVES
(Counterbalance)

Controls the actuator (cylinder or hydraulic motor) in a hydraulic system for overriding or suspended loads.

Technical Features

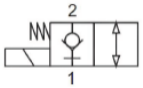
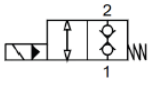
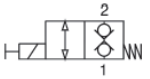
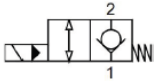
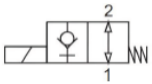
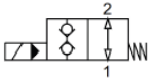
Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPO-15-CM	Cavità metrica / *Metric cavity*	15	350 bar – 5100 psi
	FPO-25-CM	Cavità metrica / *Metric cavity*	25	350 bar – 5100 psi
	FPO-140-CM-35	Cavità metrica / *Metric cavity*	140	350 bar – 5100 psi
	FPOCP-140-CM-35	Con controbilanciamento, cavità metrica / *With counterbalance, Metric cavity*	140	350 bar – 5100 psi
	FPO-150-C	Cavità metrica / *Metric cavity*	150	350 bar – 5100 psi
	FPO-300-C	Cavità metrica / *Metric cavity*	300	350 bar – 5100 psi
	FPO-25-C	Cavità SAE 08 / *SAE 08 cavity*	25	350 bar – 5100 psi
	FPO-50-C	Cavità SAE 12 / *SAE 12 cavity*	50	350 bar – 5100 psi
	FPO-60-C	Cavità SAE 10 / *SAE 10 cavity*	60	350 bar – 5100 psi
	FPO-90-C	Cavità SAE 1 3/16"-12 unf / *SAE 1 3/16"-12 unf cavity*	90	350 bar – 5100 psi
	FPO-100-C	Cavità SAE 12 / *SAE 12 cavity*	100	350 bar – 5100 psi
	FPOF-60-CT	Cavità SUN / *SUN cavity*	60	350 bar – 5100 psi
	FPOF-100-CT	Cavità SUN / *SUN cavity*	100	350 bar – 5100 psi
	FPOF-140-CT	Cavità SUN / *SUN cavity*	140	350 bar – 5100 psi

CARTRIDGE VALVES different cavities available

SOLENOID VALVES

Electrically operated valves with Poppet for lower leakage.

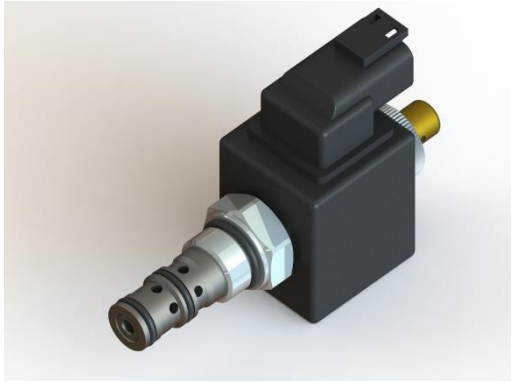
Technical Features

Schema Idraulico Hydraulic circuit	Tipo Type	Caratteristiche Tecniche Technical Features	Q (L/min)	P max (BAR)
	FP-22-CS-S08-01	Valvola elettrica due vie, diretta, normalmente chiusa */ two way, direct operated solenoid valve, normally closed*	2	250 bar – 3625 psi
	FP-22-PD-02/03	Valvola elettrica due vie, doppia tenuta, normalmente chiusa / *two way, pilot operated solenoid valve, double lock poppet, normally closed*	1 – 140	350 bar - 5100 psi
	FP-22-PD-02/03	Valvola elettrica due vie, pilotata, doppia tenuta, normalmente chiusa, filettatura gas */ two way, direct operated solenoid valve, double lock poppet, normally closed, bsp thread*	2 – 150	350 bar - 5100 psi
	FP-22-SD-S08-04	Valvola elettrica due vie, diretta, normalmente chiusa */ two way, direct operated solenoid valve, normally closed*	15	310 bar – 4495 psi
	FP-22-DD-S08-04-P		25	250 bar - 3625 psi
	FP-22-CP-05/06/07/08	Valvola elettrica due vie, pilotata, normalmente chiusa */ two way, pilot operated solenoid valve, normally closed*	0,5 – 140	350 bar - 5100 psi
	FP-22-CS-S08-11	Valvola elettrica due vie, diretta, normalmente aperta */ two way, direct operated solenoid valve, normally open*	2	250 bar – 3625 psi
	FP-22-PD-12	Valvola elettrica due vie, pilotata, doppia tenuta, normalmente aperta / *two way, pilot operated solenoid valve, double lock poppet, normally open*	1 – 140	350 bar - 5100 psi
	FP-22-PD-12	Valvola elettrica due vie, pilotata, normalmente aperta, filettatura gas / *two way, pilot operated solenoid valve, normally open, bsp thread*	2 – 140	350 bar - 5100 psi

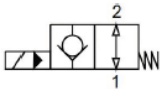
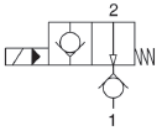
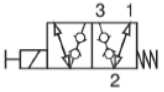
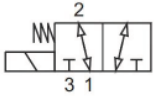
CARTRIDGE VALVES different cavities available

SOLENOID VALVES

Electrically operated valves with Poppet for lower leakage.



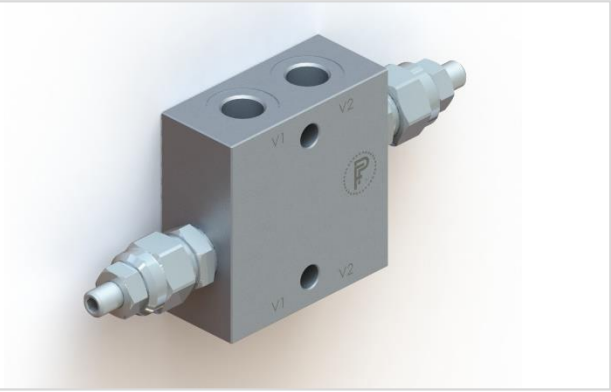
Technical Features

	FP-22-CP-15/16	Valvola elettrica due vie, pilotata, normalmente aperta / *two way, pilot operated solenoid valve, normally open*	0,5 – 140	350 bar - 5100 psi
	FP-22-CP-15/16	Valvola elettrica due vie, pilotata, normalmente aperta, filettatura gas / *two way, pilot operated solenoid valve, normally open, bsp thread*	2 – 150	350 bar - 5100 psi
	FP-22-CP-G3/4-17	Valvola elettrica due vie, pilotata, normalmente aperta / *Two way, pilot operated electric valve, normally open*	2 - 70	350 bar – 5100 psi
	FP-32-CD-S08-31-P	Valvola elettrica tre vie - due posizioni / *three way - two positions solenoid valve*	15	250 bar – 3625 psi
	FP-32-SD-31/32	Valvola elettrica tre vie - due posizioni / *three way - two positions solenoid valve*	12	210 bar – 3045 psi

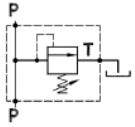
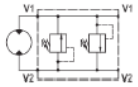
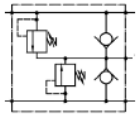
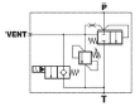
PARTS IN BODY

PRESSURE RELIEF VALVES

Prevent high pressure spikes in the hydraulic circuit from damaging the system components.



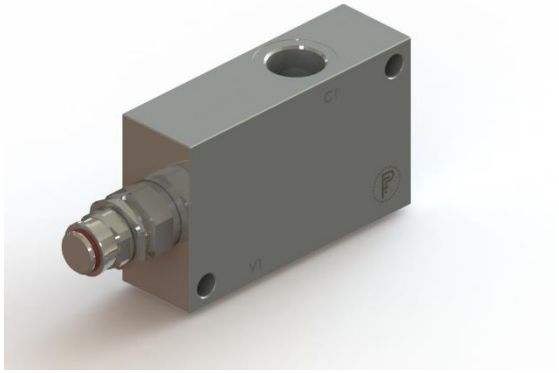
Technical Features

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPM-D-CB	Azione Diretta / *Direct Acting*	05 – 80	350 bar – 5100 psi
	FPM-D-F-CB	Azione Diretta mont. Pannello / *Direct Acting panel mounted*	15 – 80	350 bar - 5100 psi
	FPMHP-D-CB	Azione Diretta pressioni elevate / *Direct Acting high pressure*	100	420 bar - 6090 psi
	FPMA-A-100-CB	Azione diretta area differenziale / *Direct Acting differential piston*	100	350 bar - 5100 psi
	FPM-P-150-CB	Pilotata / *Pilot operating*	150	350 bar - 5100 psi
	FPM-D-IL	Azione Diretta doppie incrociate / *Direct Acting dual cross*	40	350 bar - 5100 psi
	FPM-D-IL-AC	Azione Diretta doppie incrociate con anticavitazione / *Dual cross direct acting relief valves line mounted version, anti-cavitation*	40	250 bar – 3625 psi
	FPM-PEV-200	Elettropilotata / *Electric pilot operating*	200	400 – 5800 psi

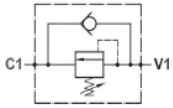
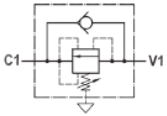
PARTS IN BODY

SEQUENCE VALVES

Pressure control valves designed to sequence the hydraulic operations within a hydraulic system dependent on applied pressure.



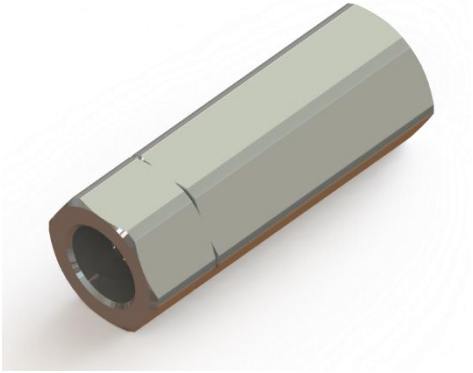
Technical Features

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPSQ-D-CB	Azione Diretta / *Direct Acting*	15 - 80	350 bar - 5100 psi
	FPSQL-D-3/8	Azione Diretta, taratura fissa, montaggio in linea / *Direct Acting, fixed setting, line mounting*	30	350 bar - 5100 psi
	FPSQR-L-D	Azione Diretta, taratura regolabile, montaggio in linea / *Direct Acting, adjustable setting, line mounting*	40 – 80	350 bar - 5100 psi
	FPSQB-D-30-CB	Azione Diretta, bilanciata / *Direct Acting, fully balanced*	40	350 bar - 5100 psi
	FPSQB-D-150-CB	Azione Diretta, bilanciata / *Direct Acting, fully balanced*	150	350 bar - 5100 psi
	FPSQRB-L-D	Azione Diretta, bilanciata, taratura regolabile, montaggio in linea / *Direct Acting, fully balanced, adjustable setting, line mounting*	40 -150	350 bar - 5100 psi

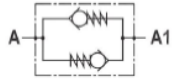
PARTS IN BODY

CHECK VALVES

Allow the free flow in one direction while stopping it from the opposite one.



Technical Features

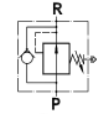
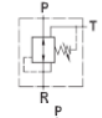
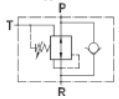
Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPR		12 – 310	350 bar - 5100 psi
	FPR-MF	Versione maschio - femmina / *male – female version*	12 – 310	350 bar - 5100 psi
	FPRI	Versione inserto / *Insert version*	15 – 80	350 bar - 5100 psi
	FPRI-S	Versione inserto, tenuta a sfera / *Insert ball version*	15 - 80	350 bar - 5100 psi
	FPRD	A ritegni contrapposti / *Bi-directional*	85	350 bar - 5100 psi

PARTS IN BODY

PRESSURE REDUCING VALVES

Maintains lower pressures in branches of a hydraulic system.

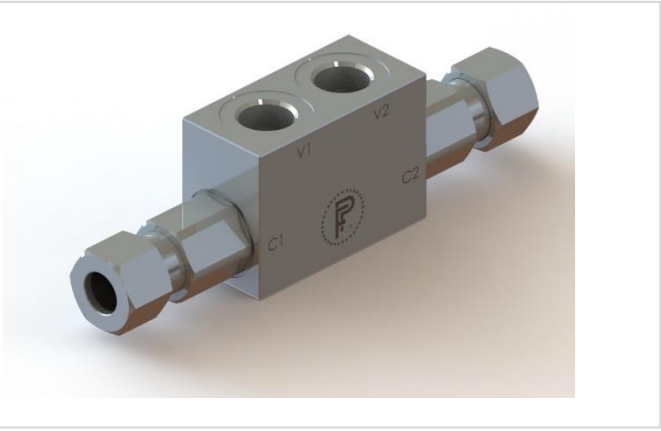
Technical Features

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPRP-2D-25-CB-1/4	Valvola di riduzione pressione, due vie, azione diretta / *Pressure reducing valve, two way, direct acting*	25	250 bar – 3625 psi
	FPRP-D-30-CB	Azione Diretta, con relief / *Direct Acting with reverse relief*	30	350 bar - 5100 psi
	FPRPN-D-30-CB	Azione Diretta, con relief / *Direct Acting with reverse relief*	30	350 bar - 5100 psi
	FPRPU-D-30-CB-3/8	Azione Diretta, con relief e ritorno libero / *Direct Acting with reverse relief and free reverse flow*	30	350 bar - 5100 psi

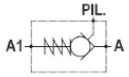
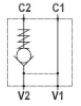
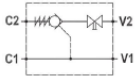
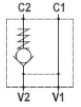
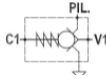
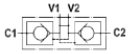
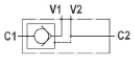
PARTS IN BODY

SINGLE AND DUAL PILOT OPERATED CHECK VALVES

They block a cylinder or an actuator port preventing the flow in the opposite direction until the pilot release pressure is applied.



Technical Features

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPS	Montaggio in linea / *Line mounted*	12 – 85	350 bar – 5100 psi
	FPS-C-40-B-3/8-SP-5FA	Montaggio con vite forata / *Drilled screw version*	40	250 bar – 3625 psi
	FPS-C-40-B-PR1-3/8	Montaggio con vite forata, rubinetto, versione destra / *Drilled screw version with manual shut-off, right version*	30	250 bar – 3625 psi
	FPS-C-40-B-PR2-3/8	Montaggio con vite forata, rubinetto, versione sinistra / *Drilled screw version with manual shut-off, left version*	30	250 bar – 3625 psi
	FPSLE-1/4-S	Montaggio in linea / *Line mounted*	20	350 bar – 5100 psi
	FPSL	Montaggio in linea / *Line mounted*	30 – 85	350 bar – 5100 psi
	FPS-LR1	Versione sinistra con rubinetto / *Left version with manual shut-off*	30	350 bar - 5100 psi
	FPS-LR2	Versione destra con rubinetto / *Right version with manual shut-off*	30	350 bar - 5100 psi
	FPS-F	Montaggio a flangia / *Gasket mounted*	30 – 85	350 bar - 5100 psi
	FPSFB-L	Bilanciata / *Fully balanced*	30 - 60	250 bar – 3625 psi
	FPD	Montaggio in linea / *Line mounted*	12 – 85	350 bar - 5100 psi
	FPD-1RO-SR	Predisposta per un raccordo / *Prepared for one union*	12 – 20	250 bar – 3625 psi
	FPD-2RO-SR	Predisposta per due raccordi / *Prepared for two union*	12 – 20	250 bar – 3625 psi
	FPD-1R	Montaggio in linea / *Line mounted*	20	350 bar - 5100 psi
	FPD-LE-1/4-S	Montaggio in linea / *Line mounted*	20 – 85	350 bar - 5100 psi
	FPD-L	Montaggio in linea / *Line mounted*	30 – 85	350 bar - 5100 psi
	FPD-F	Montaggio a flangia / *Gasket mounted*	12 – 20	250 bar – 3625 psi

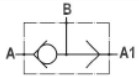
PARTS IN BODY

SHUTTLE VALVES (1) AND HOSE BREAK VALVES (2)

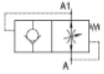
1. They are used when is necessary to provide flow from one to two priority lines to a single output.
2. They are used to stop the outflow of fluid in case of hoses breaking.

Technical Features

1

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPT	Montaggio in linea / *Line mounted*	25 – 110	350 bar - 5100 psi
	FPTI	Cartuccia ad inserto / *Insert Ball version*	10 – 40	350 bar - 5100 psi

2

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPP		8 – 20	350 bar - 5100 psi

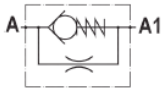
PARTS IN BODY

RESTRICTOR VALVES (1) AND NEEDLE VALVES (2)

1. They allow the free flow in one direction thanks to a check valve while controlling the flow in the opposite direction.
2. They control the flow in both directions controlling it through the rotation of a knob or screw with hexagonal socket.

Technical Features

1

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPU		12 – 85	300 bar – 4350 psi
	FPUN	Valvola regolatrice di flusso unidirezionale / *Restrictor valve*	90	400 bar – 5800 psi
	FPSU			
	FPMU	Tipo a manicotto / *Barrel type*	12 – 150	350 bar - 5100 psi
	FPRU-F	Valvola di strozzamento unidirezionale fissa / *Fixed setting throttle check valve*	12 – 310	350 bar - 5100 psi
	FPRU-MF	Valvola di strozzamento unidirezionale fissa, versione maschio-femmina / *Fixed setting throttle check valve, male-female version*	12 – 310	350 bar - 5100 psi

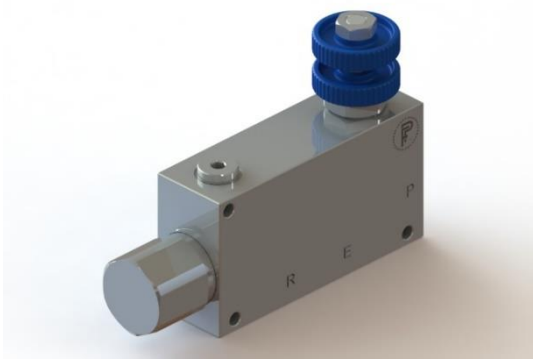
2

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPB		12 – 85	300 bar – 4350 psi
	FPBN	Valvola regolatrice di flusso bidirezionale / *Needle valve*	100	400 bar – 5800 psi
	FPSB		12 – 25	300 bar – 4350 psi
	FPMB	Tipo a manicotto / *Barrel type*	12 – 150	350 bar - 5100 psi

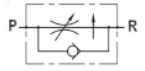
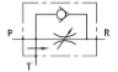
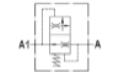
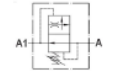
PARTS IN BODY

COMPENSATED FLOW CONTROL VALVES

They control of the flow to keep it constant while the supply flow and pressure may vary.



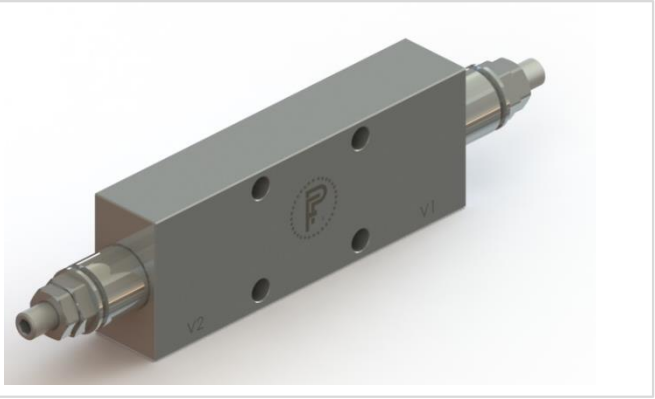
Technical Features

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPCU		10 – 18	250 bar – 3625 psi
	FPRUC	Regolatore di flusso compensato, con ritorno libero / *In line pressure compensated flow regulator, with free reverse flow*	30 – 90	350 bar - 5100 psi
	FPRBC	Regolatore di flusso a due vie compensato in linea / *In line pressure compensated two-way flow regulator*	30 – 90	350 bar - 5100 psi
	FPRF	Regolatore di flusso a tre vie compensato, con eccedenza a scarico / *In line three way pressure compensated flow regulator, with exceeding flow to tank*	50 – 240	350 bar - 5100 psi
	FPRFU	Regolatore di flusso a tre vie compensato, con eccedenza a scarico e ritorno libero / *In line three way pressure compensated flow regulator,free reverse flow, with exceeding flow to tank*	50 – 150	350 bar - 5100 psi
	FPVP	Regolatore di flusso a tre vie compensato, con eccedenza in pressione / *In line three way pressure compensated flow regulator, with exceeding flow in pressure*	50 – 150	350 bar - 5100 psi
	VSC	Valvola controllo discesa compensata / *Pressure compensated flow restricting valve*	1 – 47	300 bar – 4350 psi
	VSC-G	Valvola controllo discesa compensata / *Pressure compensated flow restricting valve*	1 – 10	250 bar – 3625 psi
	VSCR	Valvola controllo discesa compensata regolabile / *Adjustable pressure compensated flow restricting valve*	1 – 150	300 bar – 4350 psi

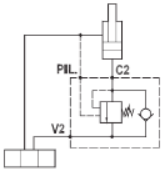
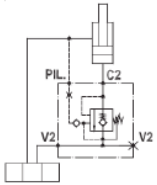
PARTS IN BODY

OVERCENTER VALVES (Counterbalance)

Controls the actuator (cylinder or hydraulic motor) in a hydraulic system for overriding or suspended loads.

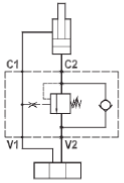


Technical Features

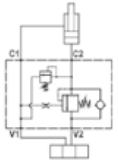
Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPO-35-SS-1/4-L	Montaggio in linea / *Line mounted*	35	350 bar - 5100 psi
	FPO-35-S-1/4-L	Montaggio in linea / *Line mounted*	35	350 bar - 5100 psi
	FPO-50-S-L	Montaggio in linea / *Line mounted*	50	350 bar - 5100 psi
	FPO-50-SX-L	Corpo in alluminio / *Aluminium body*	50	250 bar – 3625 psi
	FPO-35-S-1/4-1F-P-M	Montaggio a flangia / *Gasket mounted*	35	350 bar - 5100 psi
	FPO-50-S-1F	Montaggio a flangia / *Gasket mounted*	50	350 bar - 5100 psi
	FPO-50-S-1/2-1F-SAE	Montaggio a flangia, SAE 6000 / *Gasket mounted, SAE 6000*	50	350 bar - 5100 psi
	FPO-50-S-3/8-V-L-M	Montaggio con vite forata, attacco manometro / *Drilled screw version, pressure gauge port*	50	350 bar - 5100 psi
	FPO-50-3-3/8-1F-BP	Montaggio a flangia, pilotaggio a trafilamento / *Gasket mounted, bleeding pilot*	50	350 bar - 5100 psi

PARTS IN BODY

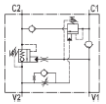
Technical Features



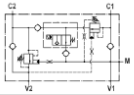
FPO-35-S-1/4-L-P	Pilotaggio interno / *Internal pilot*	35	350 bar - 5100 psi
FPO-50-S-L-P	Pilotaggio interno / *Internal pilot*	50	350 bar - 5100 psi
FPO-50-SX-L-P	Pilotaggio interno, corpo in alluminio / *Internal pilot, aluminium body*	50	250 bar – 3625 psi
FPOE-70-S-1/2-L-P-A	Pilotaggio interno serie E / *Internal pilot, E series*	70	350 bar - 5100 psi
FPO-90-S-3/4-L-P	Pilotaggio interno / *Internal pilot*	90	350 bar - 5100 psi
FPOE-120-S-3/4-L-P-A	Pilotaggio interno serie E / *Internal pilot, E series*	120	350 bar - 5100 psi
FPO-50-S-1F-P-M	Montaggio con C2 flangiata, V1-C1 contrapposte, attacco manometro / *Gasket mounted: C2 flanged, V1-C1 through ported, pressure gauge port*	50	350 bar - 5100 psi
FPO-50-S-2F-P-M	Montaggio con C1-C2 flangiate, attacco manometro / *Gasket mounted C1-C2 flangiate, pressure gauge port*	50	350 bar - 5100 psi
FPO-35-S-1/4-2F-P-M	Montaggio a flangia su C1-C2, attacco manometro / *Gasket mounted on C1-C2, gauge port*	35	350 bar - 5100 psi



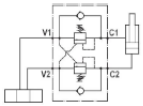
FPO-50-S-L-P-VM	Pilotaggio interno, con valvola di regolazione pressione sulla linea V2-C2 / *Internal pilot with auxiliary relief valve on V2-C2 line*	50	350 bar - 5100 psi



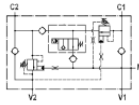
FPOR-35-D-3/8-L	Valvola overcenter doppia, per circuito rigenerativo / *Dual overcenter valve, for regenerative circuits*	40	350 bar - 5100 psi
FPOR-60-D-1/2-L	Valvola overcenter doppia, per circuito rigenerativo / *Dual overcenter valve, for regenerative circuits*	60	430 bar – 6235 psi



FPOR-150-D-3/4-L-M	Valvola overcenter doppia, per circuito rigenerativo, con valvola elettrica opzionale / *Dual overcenter valve, for regenerative circuits, with optional electric valve*	150	350 bar - 5100 psi



FPO-35-D-1/4-L	Valvola overcenter doppia / *Dual overcenter valve*	35	350 bar - 5100 psi
FPOE-40-D-3/8-L-A	Valvola overcenter doppia, E series / *Dual overcenter valve, E series*	40	350 bar - 5100 psi
FPO-50-D-L	Valvola overcenter doppia / *Dual overcenter valve*	50	350 bar - 5100 psi
FPO-35-DD-1/4-L	Valvola overcenter doppia / *Dual overcenter valve*	35	350 bar - 5100 psi
FPO-50-DX-L	Valvola overcenter doppia, corpo in alluminio / *Dual overcenter valve, aluminium body*	50	350 bar - 5100 psi
FPOE-70-D-1/2-L-A	Valvola overcenter doppia, serie E / *Dual overcenter valve, E series*	70	350 bar - 5100 psi
FPO-90-D-3/4-L	Valvola overcenter doppia, pilotaggio interno / *Dual overcenter valve, internal pilot*	90	350 bar - 5100 psi
FPOE-120-D-3/4-L-A	Valvola overcenter doppia, serie E / *Dual overcenter valve, E series*	120	350 bar - 5100 psi
FPO-150-DD-3/4-L	Valvola overcenter doppia / *Dual overcenter valve*	150	350 bar - 5100 psi
FPO-50-D-3/8-1F-M	Valvola overcenter doppia, montaggio a flangia singolo, attacco manometro / *Dual overcenter valve, single gasket mounted, pressure gauge port*	50	350 bar - 5100 psi
FPO-35-D-1/4-2F	Valvola overcenter doppia, montaggio a flangia / *Dual overcenter valve, gasket mounted*	35	350 bar - 5100 psi
FPOE-40-D-3/8-2F-A	Valvola overcenter doppia, montaggio a flangia, serie E / *Dual overcenter valve, gasket mounted, E series*	40	350 bar - 5100 psi
FPO-50-D-2F	Valvola overcenter doppia, montaggio a flangia / *Dual overcenter valve, gasket mounted*	50	350 bar - 5100 psi
FPO-50-DX-2F	Valvola overcenter doppia, montaggio a flangia, corpo in alluminio / *Dual overcenter valve, gasket mounted, aluminium body*	50	350 bar - 5100 psi

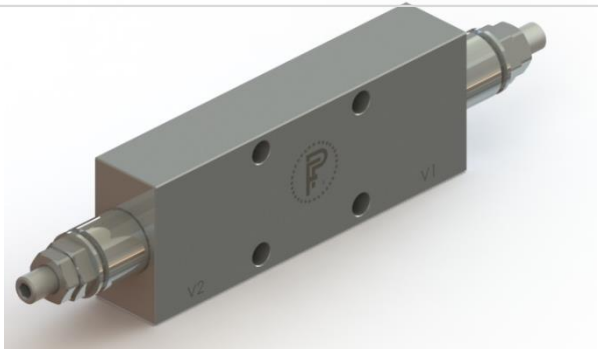


FPOR-150-D-3/4-L-M	Valvola overcenter doppia, per circuito rigenerativo, con valvola elettrica opzionale / *Dual overcenter valve, for regenerative circuits, with optional electric valve*	150	350 bar - 5100 psi

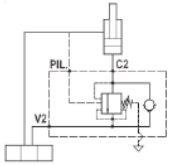
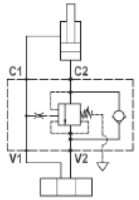
PARTS IN BODY

COMPENSATED OVERCENTER VALVES
(Counterbalance)

Controls the actuator (cylinder or hydraulic motor) in a hydraulic system for overriding or suspended loads.

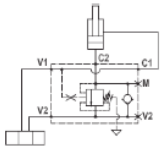


Technical Features

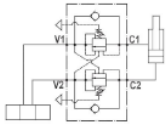
Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPOFB-35-S-1/4-L	Montaggio in linea / *Line mounted*	35	350 bar - 5100 psi
	FPOB-50-S-L	Parzialmente bilanciata / *Partially balanced*	50	350 bar - 5100 psi
	FPOB-50-S-1F	Parzialmente bilanciata, montaggio a flangia / *Partially balanced, gasket mounted*	50	350 bar - 5100 psi
	FPOB-50-S-1/2-1F-SAE	Parzialmente bilanciata, montaggio a flangia, SAE 6000 / *Partially balanced, gasket mounted, SAE 6000*	50	350 bar - 5100 psi
	FPOB-50-S-2F-P-M	Parzialmente bilanciata, montaggio con C1-C2 flangiate, attacco manometro / *Partially balanced, gasket mounted: C1-C2 flanged, pressure gauge port*	50	350 bar - 5100 psi
	FPOB-35-S-1/4-L-P	Pilotaggio interno / *Internal pilot*	35	350 bar - 5100 psi
	FPOFB-35-S-1/4-L-P	Pilotaggio interno / *Internal pilot*	35	350 bar - 5100 psi
	FPOB-50-S-L-P	Pilotaggio interno / *Internal pilot*	50	350 bar - 5100 psi
	FPOFB-50-S-L-P	Pilotaggio interno / *Internal pilot*	50	350 bar - 5100 psi
	FPOEB-70-S-1/2-L-P-A	Pilotaggio interno, serie E / *Internal pilot, E series*	70	350 bar - 5100 psi
	FPOB-90-S-3/4-L-P-35	Pilotaggio interno / *Internal pilot*	90	350 bar - 5100 psi
	FPOEB-120-S-3/4-L-P-A	Pilotaggio interno, serie E / *Internal pilot, E series*	120	350 bar - 5100 psi

PARTS IN BODY

Technical Features



FPOFB-150-S-L-P-M	Pilotaggio interno, attacco manometro e pilotaggio regolabile / *Internal and adjustable pilot, pressure gauge port*	150	350 bar - 5100 psi
FPOB-50-S-1F-P-M	Parzialmente bilanciata, montaggio con C2 flangiata, V1-C1 contrapposte e attacco manometro / *Partially balanced, gasket mounted, C2 flanged, V1-C1 through ported, gauge port*	50	350 bar - 5100 psi
FPOFB-150-S-1F-P-M	Parzialmente bilanciata, montaggio con C2 flangiata, V1-C1 contrapposte e attacco manometro / *Partially balanced, gasket mounted, C2 flanged, V1-C1 through ported, gauge port*	150	350 bar - 5100 psi
FPOFB-150-S-1/2-2F-P	Parzialmente bilanciata, montaggio con C1-C2 flangiate, pilotaggio interno e regolabile / *Partially balanced, gasket mounted: C1-C2 flanged, internal and adjustable pilot*	150	350 bar - 5100 psi



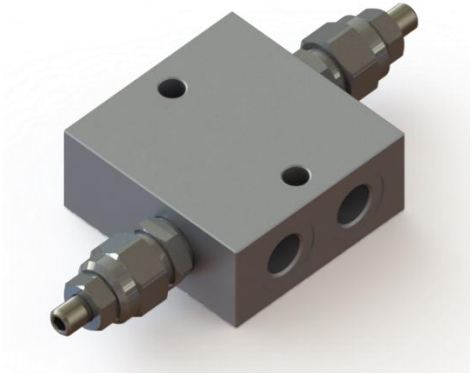
FPOFB-35-D-1/4-L	Valvola overcenter doppia bilanciata / *Fully balanced dual overcenter valve*	35	350 bar - 5100 psi
FPOFB-35-DD-1/4-L	Valvola overcenter doppia bilanciata / *Fully balanced dual overcenter valve*	35	350 bar - 5100 psi
FPOB-50-D-L	Valvola overcenter doppia parzialmente bilanciata / *Partially balanced dual overcenter valve*	50	350 bar - 5100 psi
FPOEB-70-D-1/2-L-A	Valvola overcenter doppia parzialmente bilanciata, serie E / *Partially balanced dual overcenter valve, E series*	70	350 bar - 5100 psi
FPOB-90-D-3/4-L-35	Valvola overcenter doppia parzialmente bilanciata, pilotaggio interno / *Partially balanced dual overcenter valve, internal pilot*	90	350 bar - 5100 psi
FPOEB-120-D-3/4-L-A	Valvola overcenter doppia parzialmente bilanciata, serie E / *Partially balanced dual overcenter valve, E series*	120	350 bar - 5100 psi
FPOFB-150-DD-3/4-L-35	Valvola overcenter doppia bilanciata / *Fully balanced dual overcenter valve*	150	350 bar - 5100 psi
FPOB-50-D-2F	Valvola overcenter doppia parzialmente bilanciata, montaggio a flangia / *Partially balanced dual overcenter valve, gasket mounted*	50	350 bar - 5100 psi
FPOFB-150-DD-3/4-2F	Valvola overcenter doppia bilanciata / *Fully balanced dual overcenter valve*	150	350 bar - 5100 psi

FLUID-PRESS

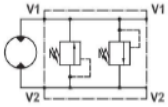
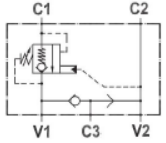
PARTS IN BODY

VALVES FLANGIABLE ON HYDRAULIC MOTORS

These valves, available for several functions have in common a body designed for the direct mounting on the most hydraulic motors.
Two solutions are available: gasket mounted
and drilled screw mounted.

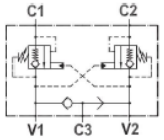
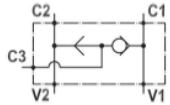
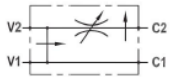


Technical Features

Schema Idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche Tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPM-D-15-DV-D1-3/8	Valvola di massima doppia incrociata, flangiabile su motori Danfoss serie "OMM" / *Dual cross main pressure relief valve, flangeable on Danfoss motors "OMM" series*	15	350 bar - 5100 psi
	FPM-D-40-DV	Valvola di massima doppia incrociata, flangiabile / *Dual cross main pressure relief valve, flangeable*	50	350 bar - 5100 psi
	FPM-D-40-DV-D3	Valvola di massima doppia incrociata, flangiabile su motori Danfoss serie "OMS" / *Dual cross main pressure relief valve, flangeable on Danfoss motors "OMS" series*	60	250 bar – 3625 psi
	FPM-D-40-DF-D2-1/2	Valvola di massima doppia incrociata, flangiabile su motori Danfoss serie "OMP/R/H" / *Dual cross main pressure relief valve, flangeable on Danfoss motors "OMP/R/H" series*	40	350 bar - 5100 psi
	FPM-D-40-DF-D3	Valvola di massima doppia incrociata, flangiabile su motori Danfoss serie "OMS" / *Dual cross main pressure relief valve, flangeable on Danfoss motors "OMS" series*	60	250 bar – 3625 psi
	FPM-D-70-DF-D4	Valvola di massima doppia incrociata, flangiabile su motori Danfoss serie "OMT" / *Dual cross main pressure relief valve, flangeable on Danfoss motors "OMT" series*	110	250 bar – 3625 psi
	FPO-60-SV-D2-(D3)-U	Valvola overcenter singola, flangiabile su motori Danfoss serie "OMP/R/H-OMS", con sblocco freno / *Single overcenter valve, flangeable on Danfoss motors "OMP/R/H-OMS" series, brake release port*	60	350 bar - 5100 psi
	FPO-60-SV-O1-1/2-U	Valvola overcenter singola, flangiabile su motori Oil-drive serie "MGL/MGT", con sblocco freno / *Single overcenter valve, flangeable on Oil-drive motors "MGL/MGT" series, brake release port*	60	350 bar - 5100 psi
	FPO-50-SF-D2-1/2-U	Valvola overcenter singola, flangiabile su motori Danfoss serie "OMP/R/H", con sblocco freno / *Single overcenter valve, flangeable on Danfoss motors "OMP/R/H" series, brake release port*	50	350 bar - 5100 psi
	FPO-65-SF-D3-1/2-U	Valvola overcenter singola, flangiabile su motori Danfoss serie "OMS", con sblocco freno / *Single overcenter valve, flangeable on Danfoss motors "OMS" series, brake release port*	60	250 bar – 3625 psi
	FPO-150-SF-R1-3/4-U-S	Valvola overcenter singola, flangiabile su Rexroth serie "A2FE 45-56-63", con sblocco freno / *Single overcenter valve, flangeable on Rexroth motors "A2FE 45-56-63" series, brake release port*	150	350 bar - 5100 psi

PARTS IN BODY

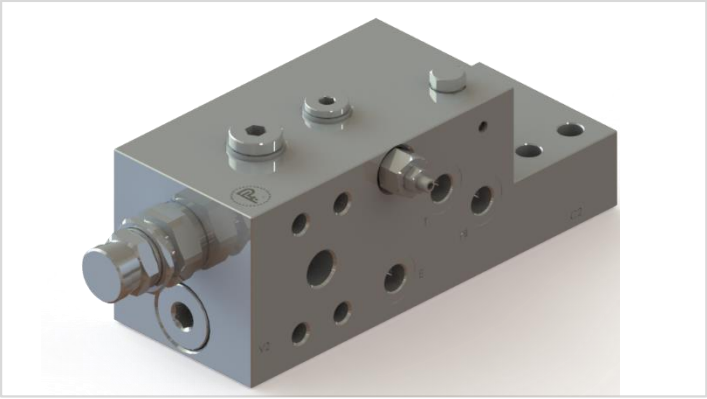
Technical Features

	FPO-50-DV	Valvola overcenter doppia incrociata, flangiabile con sblocco freno e vavola antiurto opzionale / *Dual overcenter valve, flangeable, brake release port, optional anti-shock valve*	50	350 bar - 5100 psi
	FPO-60-DV	Valvola overcenter doppia incrociata, flangiabile, con sblocco freno e vavola antiurto opzionale / *Dual overcenter valve, flangeable, brake release port, optional anti-shock valve*	60	350 bar - 5100 psi
	FPO-50-DF-D2-1/2-U	Valvola overcenter doppia, flangiabile su motori Danfoss serie "OMP/R/H" con sblocco freno / *Dual overcenter valve, flangeable on Danfoss motors "OMP/R/H" series, brake release port*	50	350 bar - 5100 psi
	FPO-65-DF-D3-1/2-U	Valvola overcenter doppia, flangiabile su motori Danfoss serie "OMS", con sblocco freno / *Dual overcenter valve, flangeable on Danfoss motors "OMS" series, brake release port*	60	250 bar – 3625 psi
	FPT-DV-S1-1/2	Valvola selettrice, flangiabile su motori Samhydraulik serie "AG/BG/AR/BR/ARSR/MB" / *Shuttle valve, flangeable on Samhydraulik motors "AG/BG/AR/BR/ARSR/MB" series*	60	250 bar – 3625 psi
	FPT-DF	Valvola selettrice, flangiabile su motori Danfoss serie "OMP/OMR/OMH" e "OMS" / *Shuttle valve, flangeable on Danfoss motors "OMP/OMR/OMH" and "OMS" series*	60	250 bar – 3625 psi
	FPRF-50-DV-E6	Regolatore di flusso a 3 vie compensato, con eccedenza a scarico, flangiabile su motori Char-Lynn 2000 / *Three way, pressure compensated flow regulator,with exceeding flow to tank, flangeable on Char-Lynn 2000 motors*	50	250 bar – 3625 psi
	FPRF-90-DV	Regolatore di flusso a 3 vie compensato, con eccedenza a scarico, flangiabile / *Three way, pressure compensated flow regulator, with exceeding flow to tank, flangeable*	90	250 bar – 3625 psi
	FPRF-90-DF-D4	Regolatore di flusso a 3 vie compensato, con eccedenza a scarico, flangiabile su motori Danfoss "OMT" / *Three way, pressure compensated flow regulator, with exceeding flow to tank, flangeable on Danfoss "OMT"*	90	250 bar – 3625 psi

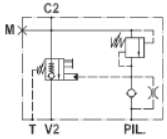
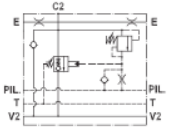
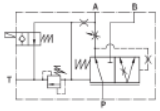
PARTS IN BODY

BOOM LOWERING VALVES FOR EXCAVATOR

These valves are overcenter specific for the control of holding and lowering of excavator booms. Two solutions of assembly are
available: in line and gasket mounted.



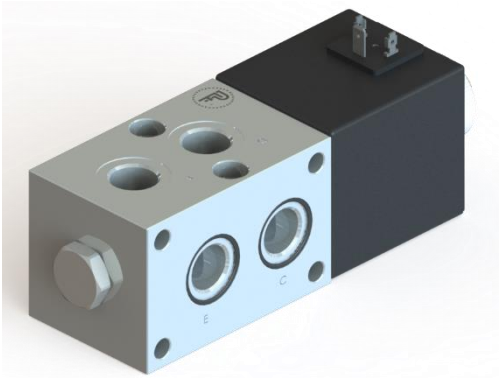
Technical Features

Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPEXC-35-S-3/8-L-DX/SX	Valvola di blocco e controllo portata per bracci, montaggio in linea, versione destra / sinistra / *Flow check and metering valve for booms, line mounted, right / left version*	35	420 bar - 6090 psi
	FPEXC-90-S-1/2-L-DX/SX	Valvola di blocco e controllo portata per bracci, montaggio in linea, versione destra / sinistra / *Flow check and metering valve for booms, line mounted, right / left version*	100	420 bar - 6090 psi
	FPEXC-150-S-3/4-L-DX/SX	Valvola di blocco e controllo portata per bracci, montaggio in linea, versione destra / sinistra / *Flow check and metering valve for booms, line mounted, right / left version*	150	420 bar - 6090 psi
	FPEXC-250-S-3/4-1F-SAE	Valvola di blocco e controllo portata per bracci, montaggio a flangia / *Flow check and metering valve for booms, gasket mounted*	250	420 bar - 6090 psi
	FPEXC-400-S-1-1F-SAE	Valvola di blocco e controllo portata per bracci, montaggio a flangia / *Flow check and metering valve for booms, gasket mounted*	400	420 bar - 6090 psi
	FPEXC-500-S-1 1/4-1F-SAE	Valvola di blocco e controllo portata per bracci, montaggio a flangia / *Flow check and metering valve for booms, gasket mounted*	500	420 bar - 6090 psi
	FPEXCH-EV-3/4-S	Valvola per azionamento martelli demolitori/ *Hammer control valves*	200	350 bar - 5100 psi

PARTS IN BODY

DIVERTERS

They allow the operation of more actuators with a single electric control



Technical Features

Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
3A 3C	FP-D1-3-E-G-3	Deviatori elettrici tre vie / *three ways flow electric diverters*	50 - 60	310 bar – 4495 psi
6A	FP-D1-6-E-G-6	Deviatori elettrici sei vie / *six way flow electric diverters*	50 – 60	310 bar – 4495 psi
6B 6C	FP-D2-6-E-G-6	Deviatori elettrici sei vie / *six way flow electric diverters*	80	310 bar – 4495 psi
6D	FP-D3-6-E-G1/4	Deviatori elettrici sei vie / *six ways flow electric diverters*	25	250 bar – 3625 psi
6E	FP-D3-6-E-G-6	Deviatori elettrici sei vie / *six way flow electric diverters*	50 – 60	310 bar – 4495 psi
6F	FP-D5-6-E-G-6	Deviatori elettrici sei vie flangiabili / *six way bankable flow electric diverters*	50 – 60	310 bar – 4495 psi
6H	FP-D6-6-E-G-6	Deviatori elettrici sei vie flangiabili / *six way bankable flow electric diverters*	80	310 bar – 4495 psi

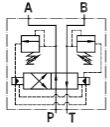
PARTS IN BODY

VARIOUS VALVES

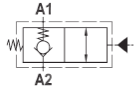
1. Automatic inverter
2. End run valves
3. Pilot operated unloading valve
4. Motion control valve

Technical Features

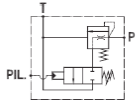
1

Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPIA-L6-VM	Aumento di pressione, flangiato CETOP 3 */ Pressure increase control, flanged CETOP 3*	3 – 35	350 bar - 5100 psi
	FPIA-L10-VM	Aumento di pressione, flangiato CETOP 5 */ Pressure increase control, flanged CETOP 5*	3 – 80	350 bar - 5100 psi

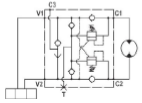
2

Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPFC		45	250 bar – 3625 psi

3

Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPMS-P		150	300 bar – 4350 psi

4

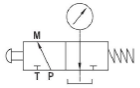
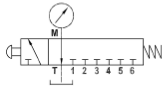
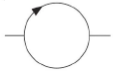
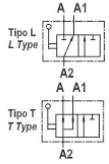
Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
	FPVCR-40-D-3/8		40	350 bar - 5100 psi
	FPVCR-120-D-3/4		120	350 bar - 5100 psi

PARTS IN BODY

VARIOUS VALVES

5. Shut-off pressure gauge
6. Pressure gauge connectors
7. Balls valves

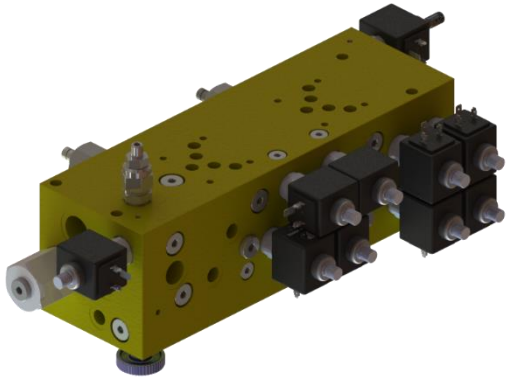
Technical Features

Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
5				
	FPE/A-1/4-B			400 bar – 5800 psi
	FPEP-1/4	Montaggio a pannello / *panel mounting*		350 bar - 5100 psi
Schema idraulico ***Hydraulic circuit***	**Tipo** ***Type***	**Caratteristiche tecniche** ***Technical Features***	**Q** **(L/min)**	**P max** **(BAR)**
6				
	FPESM-6P	Sei vie / *Six way*		315 bar – 4567 psi
	FPCG-1/4	Connettori per manometro / *Pressure gauge connectors*		350 bar - 5100 psi
Schema idraulico *Hydraulic circuit*	Tipo *Type*	Caratteristiche tecniche *Technical Features*	Q (L/min)	P max (BAR)
7				
	FP-GE2	Due vie / *Two way*		500 bar – 7250 psi
	FP-GE3	Tre vie / *Three way*		400 bar – 5800 psi

Manifold Blocks (HICs)

SPECIAL BLOCKS

Electric or mechanical valves installed in a single special body to meet the customer's needs.



Our mission is to provide integrated SOLUTIONS to meet our Customers needs.
This is possible thanks to Integrated Circuits (Hydraulic Integrated Circuits or HICs) that can be used in various applications, both in the industrial and the mobile fields.
Hydraulic manifolds, either steel or aluminium body, are flexible, compact and reliable. Multiple control functions can be combined into a single manifold with the use of multi-function cartridge valves.
The manifold use allows to simplify hose routing and reduces the number of hydraulic connections in order to minimize the leakage points.

Applications

- Agricultural Machines
- Lifting and Transport
- Industrial Vehicles
- Building Equipment
- Cleaning Machines
- Renewable Energy

Our experience is at your disposal to provide tailor-made solutions with increasingly reliable performance for the manufacturing of your machinery.

Manufacturers of Waste Collecting Equipment

Excavator Manufacturing Companies

Manufacturers of Telescopic Truck-mounted Aerial Platform

Manufacturers of Telehandlers

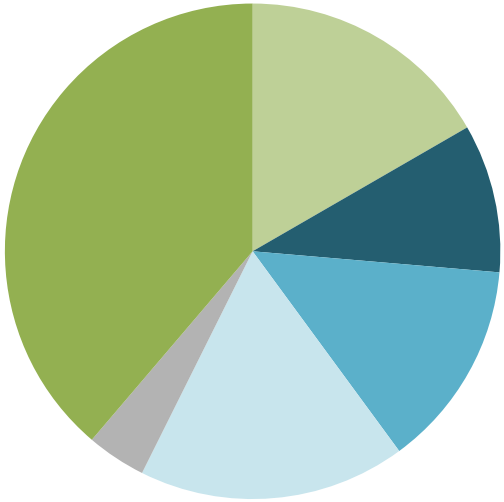
Manufacturers of Balers & Bale Wrapping Machinery

Main Markets

40% Agricultural Machines

18% Lifting & Transport

2% Renewable Energy



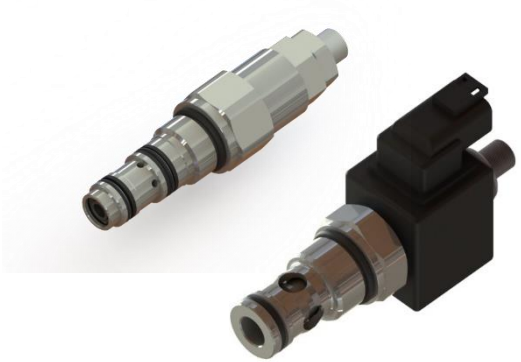
Cleaning Machines 6%

Industrial & Building Machines 15%

Distributors 19%

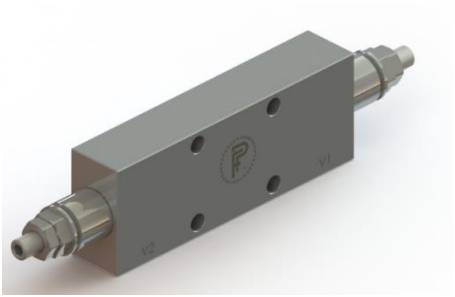
Production Numbers

1.205.000 pieces produced in 2023



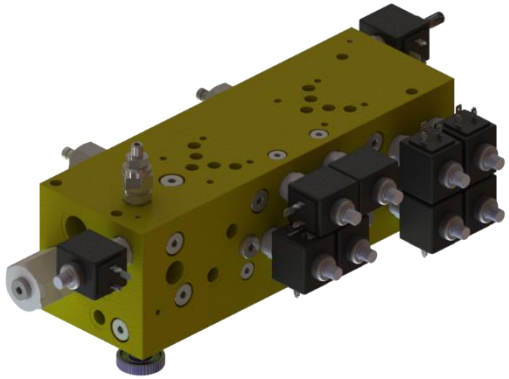
CARTRIDGE VALVES

455.000 pcs



PARTS IN BODY
OVERCENTER

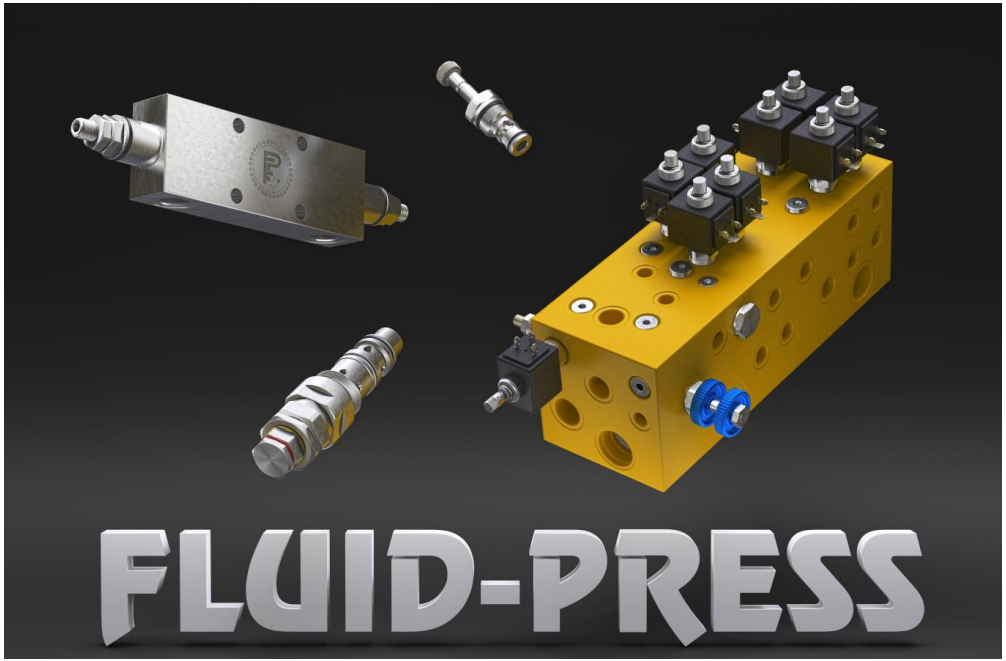
200.000 pcs



MANIFOLD BLOCKS
(HIC)

80.000 pcs

Thank you
for your attention!



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