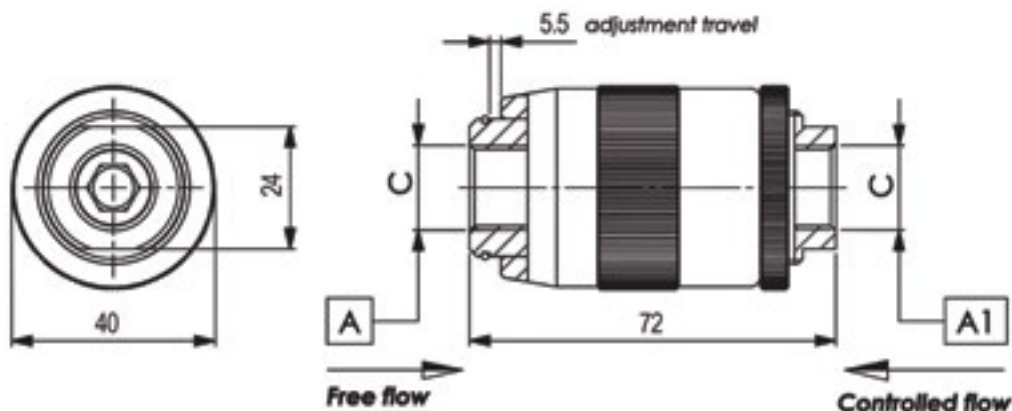
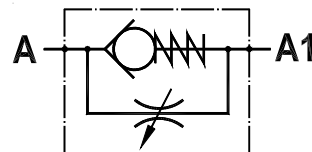
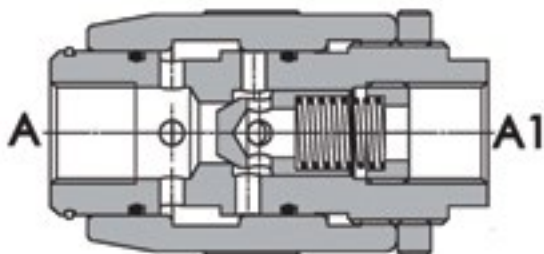


FLOW CONTROL VALVES

Line Mounted, Barrel Type Flow Restrictor
FPMU-3/8

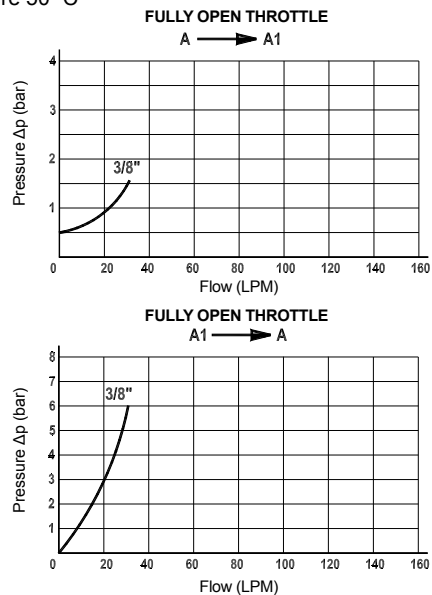


Technical Specifications

Materials	Body = steel zinc plated Internal parts = steel
Rated Flow	30 LPM
Cracking Pressure	0.5 bar
Max. Pressure	350 bar
Weight	0.430 kg
Port Sizes	A/A1 = G3/8
Adjustment Type	Screw
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

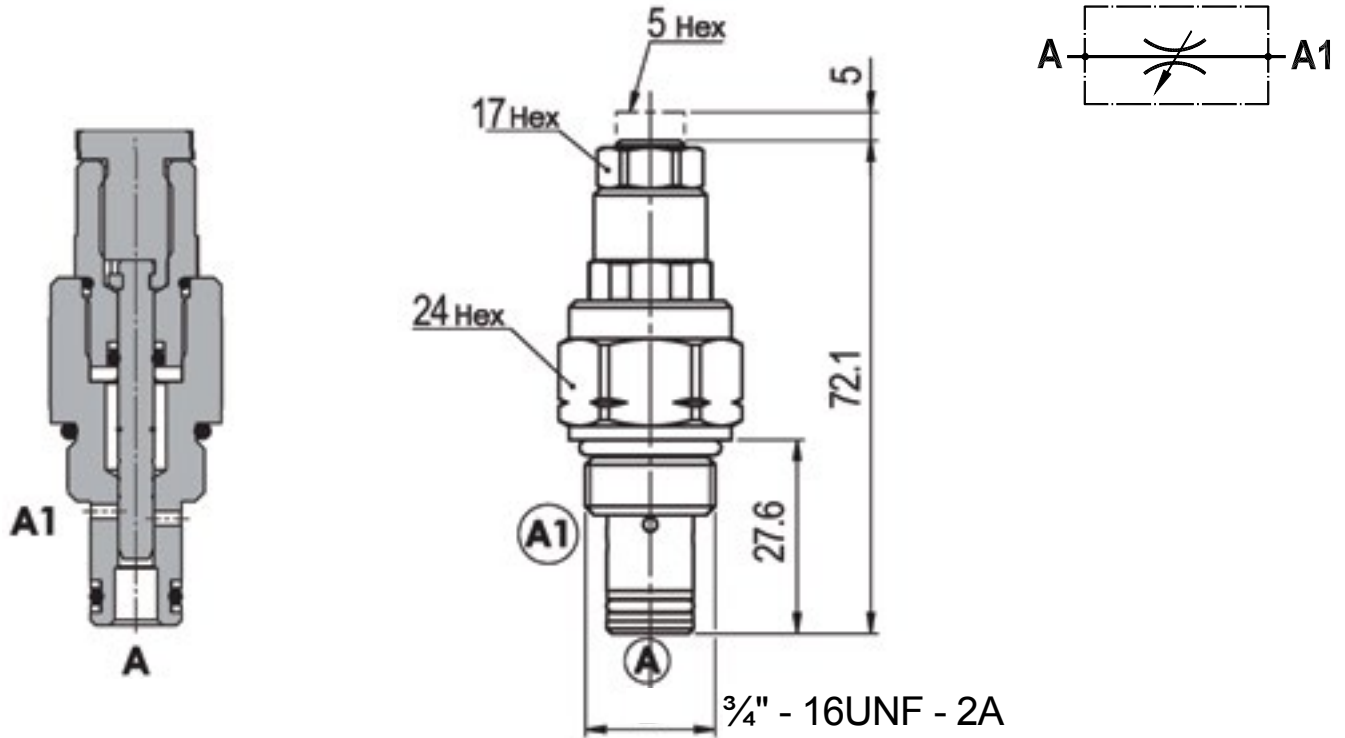
Compensation Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Needle Valve, Cartridge Version
FPBC-S08-P

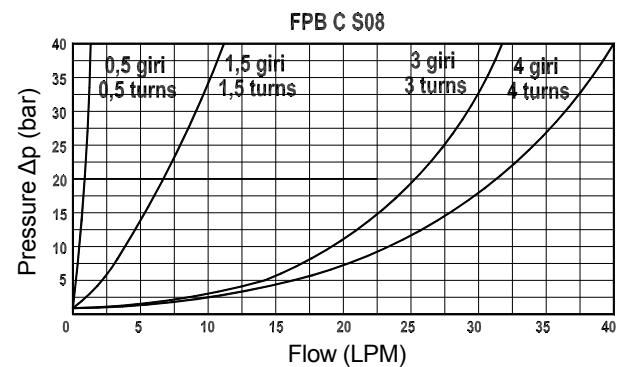


Technical Specifications

Materials	Cartridge = steel zinc plated Internal parts = hardened steel
Flow Range	40 LPM max
Max. Pressure	350 bar
Installation Torque	40-45 Nm
Cavity	23081, refer to cavity information on page 65
Adjustment Tyre	Leakproof screw
Cartridge Weight	0.136 kg
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less.
Ambient Temperature Range	-30°C + 60°C

Pressure Drop Curves

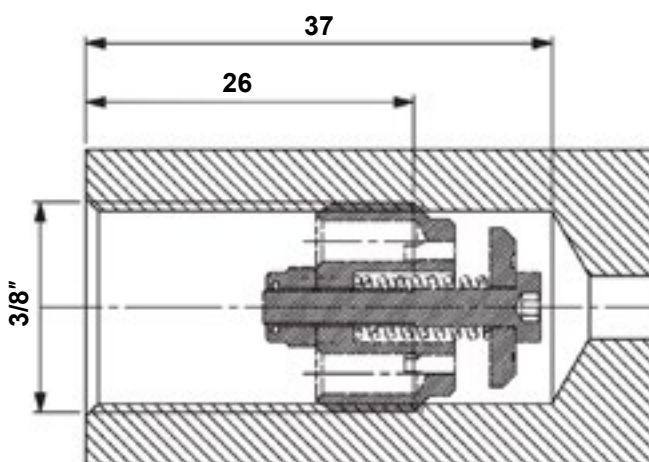
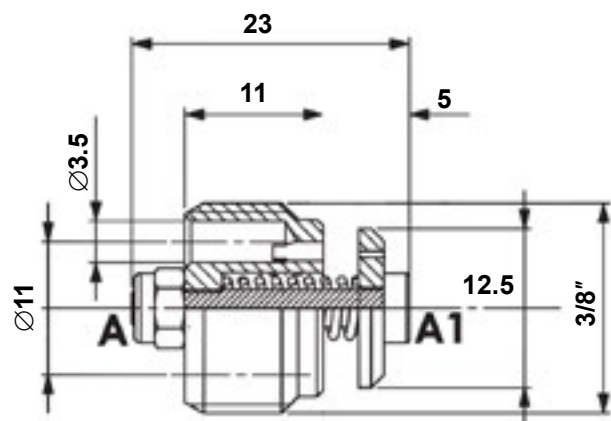
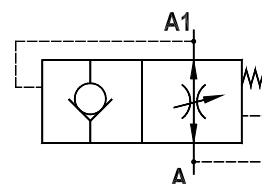
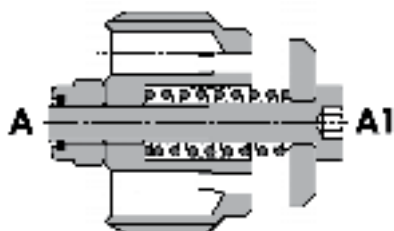
Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Hose Burst Insert

FPP-3/8

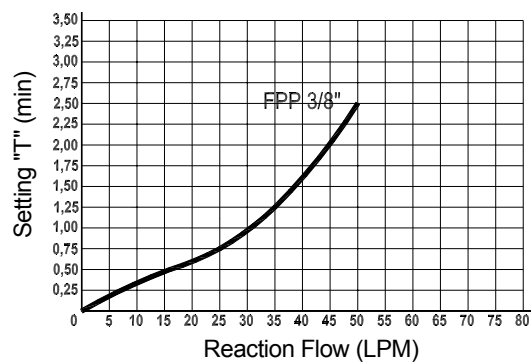


Technical Specifications

Materials	Steel
Flow Range	16-50 LPM
Max Flow	16-50 LPM
Cracking Pressure	0.5 bar standard
Max Pressure	350 bar
Weight	0.012 kg
Installation Torque	3 Nm
Housing	Refer to housing information on page 66
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

Compensation Curves

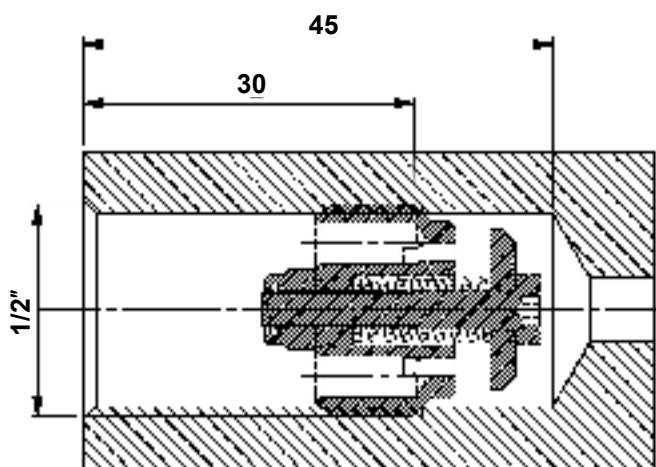
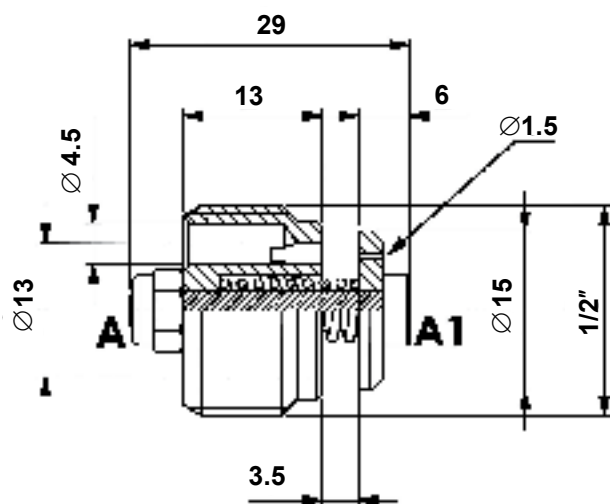
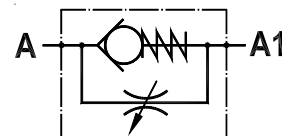
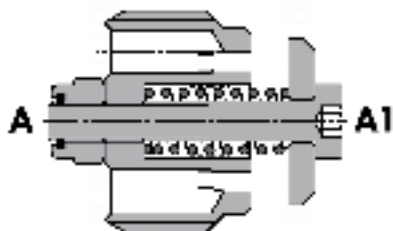
Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Hose Burst Insert

FPP-1/2

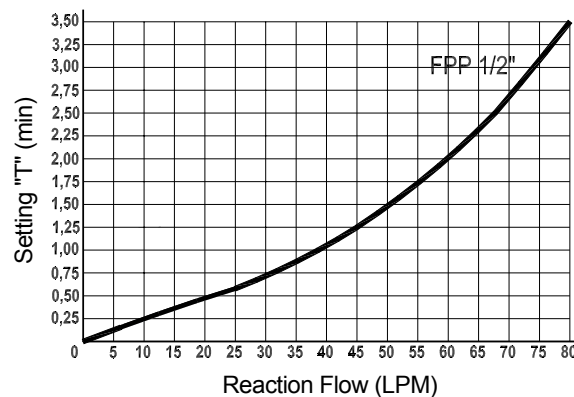


Technical Specifications

Materials	Steel
Flow Range	25-80 LPM
Max Flow	25-80 LPM
Cracking Pressure	0.5 bar standard
Max Pressure	350 bar
Weight	0.023 kg
Housing	Refer to housing information on page 66
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

Compensation Curves

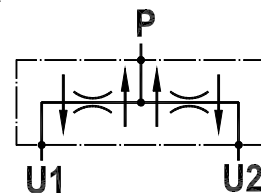
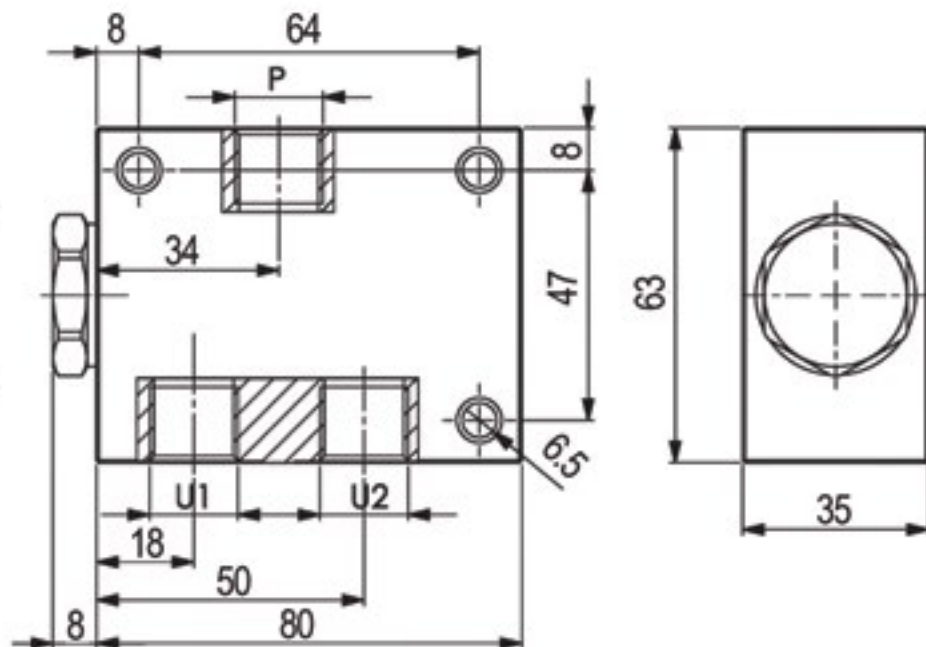
Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Line Mounted, Flow Divider/Combiner

FPFD-S10-CB-1/2-3/8-M

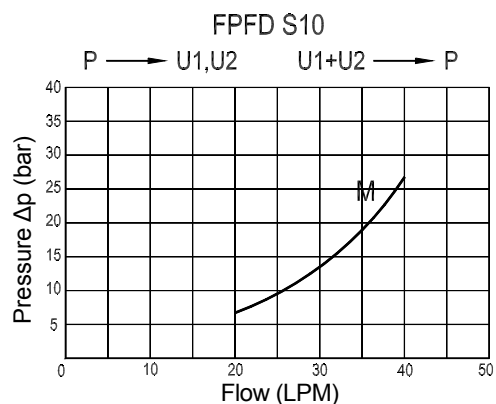


Technical Specifications

Materials	Cartridge = steel made, zinc plated Internal parts = hardened steel Body = high strength aluminium alloy
Rated Flow	20-40 LPM
Max. Pressure	210 bar
Weight	0.500 kg
Division Percentage	50/50 (accuracy 10% between ports U1-U2 with 120 bar differential pressure)
Port Sizes	P = G1/2 U1/U2 = G3/8
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

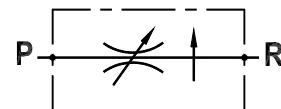
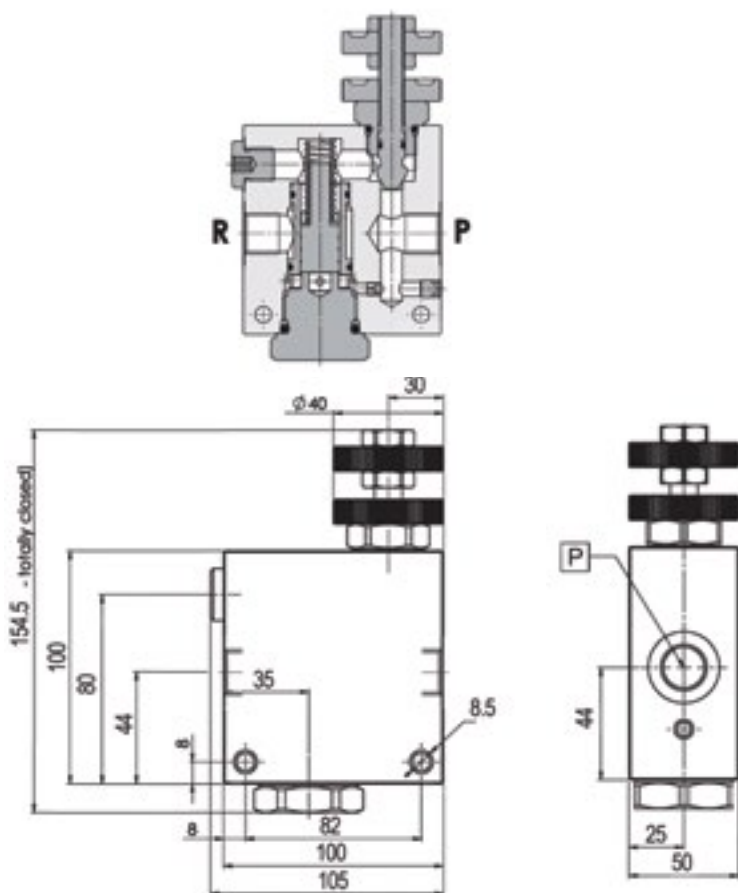
Pressure Drop Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Line Mounted, 2 Way Pressure Compensated Flow Regulator
FPRBC-3/4-G

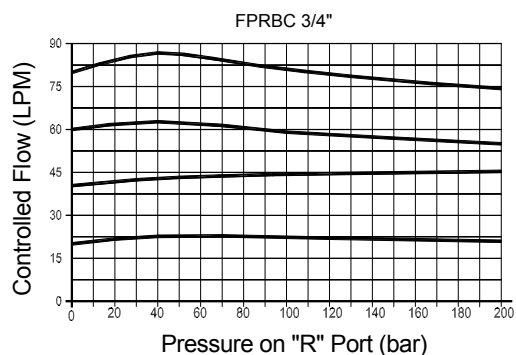


Technical Specifications

Materials	Body = aluminium Internal parts = hardened steel
Rated Flow	90 LPM
Max. Pressure	210 bar
Weight	1.580 kg
Port Sizes	P/R = G3/4
Adjustment Type	Hand knob
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

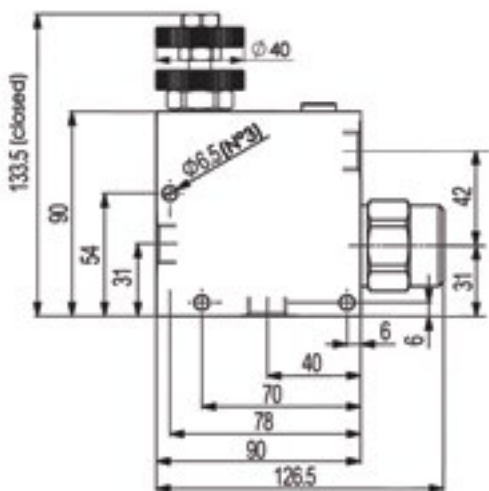
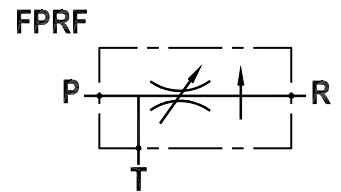
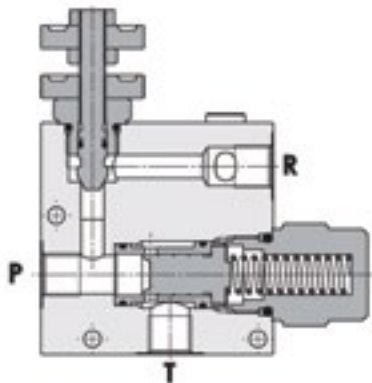
Compensation Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Line Mounted, 3 Way Pressure Compensated Flow Regulator
FPRF-3/8-G

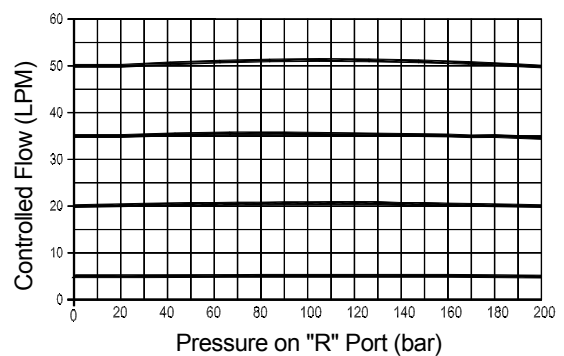


Technical Specifications

Materials	Body = aluminium Internal parts = hardened steel
Rated Flow	50 LPM with 30 LPM in "R" port
Standby Pressure	5 bar
Max. Pressure	210 bar
Weight	1.155 kg
Port Sizes	P/R/T = G3/8
Adjustment Type	Hand knob
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

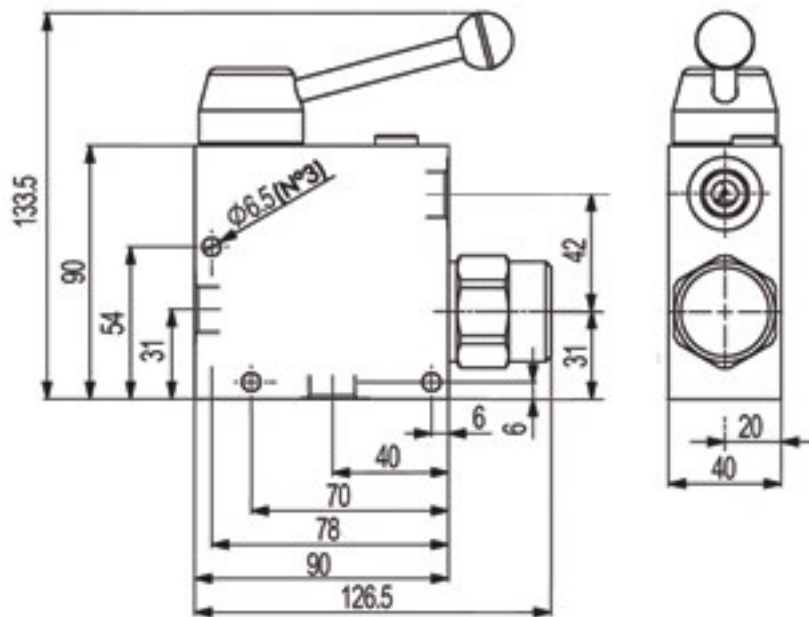
Compensation Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C

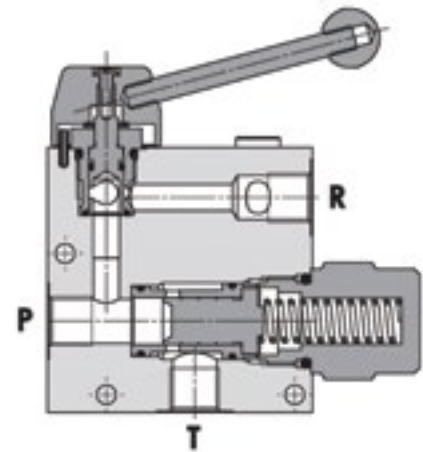
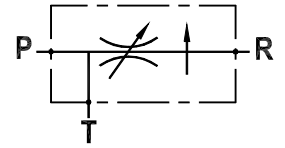


FLOW CONTROL VALVES

Line Mounted, 3 Way Pressure Compensated Flow Regulator
FPRF-1/2-H



FPRF

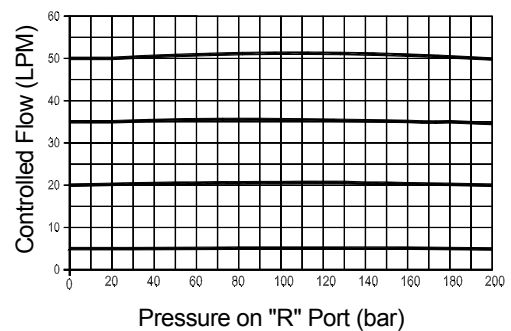


Technical Specifications

Materials	Body = aluminium Internal parts = hardened steel
Rated Flow	90 LPM with 50 LPM in "R" port
Standby Pressure	5 bar
Weight	1.130 kg
Port Sizes	P/R/T = G1/2
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

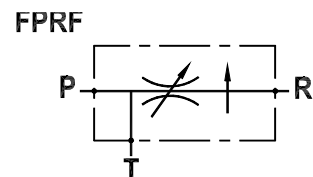
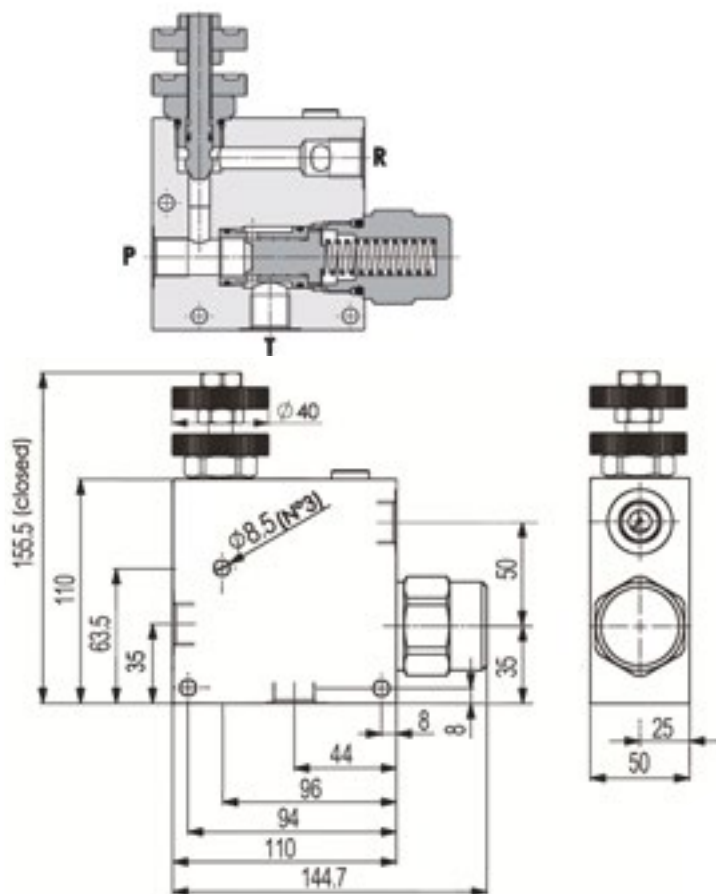
Compensation Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Line Mounted, 3 Way Pressure Compensated Flow Regulator
FPRF-3/4-G

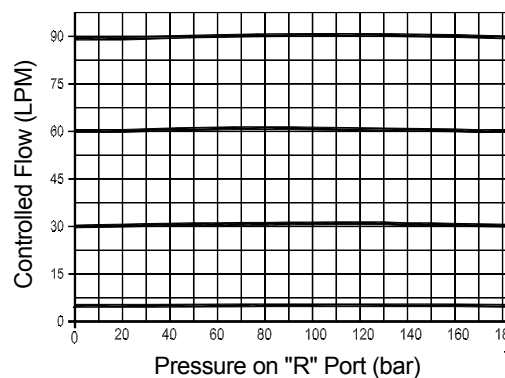


Technical Specifications

Materials	Body = aluminium Internal parts = hardened steel
Rated Flow	150 LPM with 90 LPM in "R" port
Standby Pressure	5 bar
Max. Pressure	210 bar
Weight	2.000 kg
Port Sizes	P/R/T = G3/4
Adjustment Type	Hand knob
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

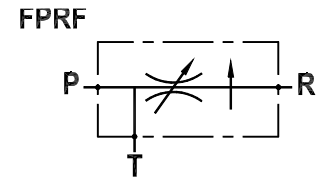
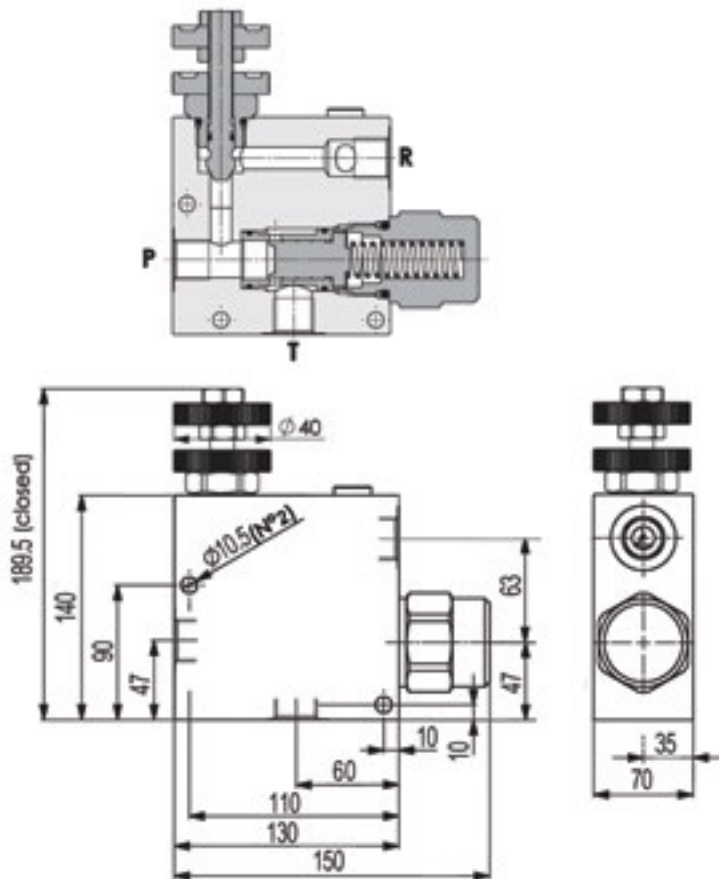
Compensation Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Line Mounted, 3 Way Pressure Compensated Flow Regulator
FPRF-1-G

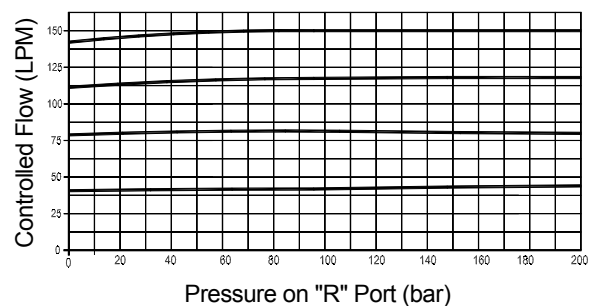


Technical Specifications

Materials	Body = aluminium Internal parts = hardened steel
Rated Flow	240 LPM with 150 LPM in "R" port for 1"
Standby Pressure	5 bar
Max. Pressure	210 bar
Weight	3.620 kg
Port Sizes	P/R/T = G1
Adjustment Type	Hand knob
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

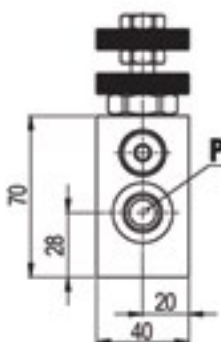
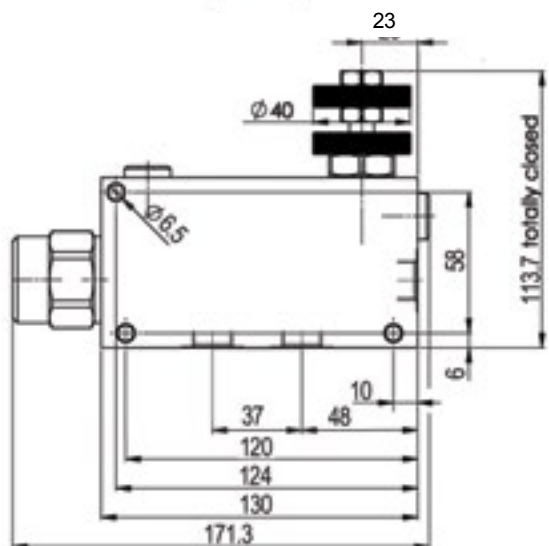
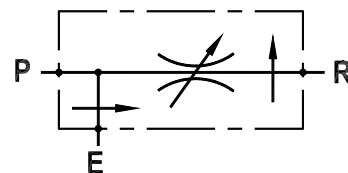
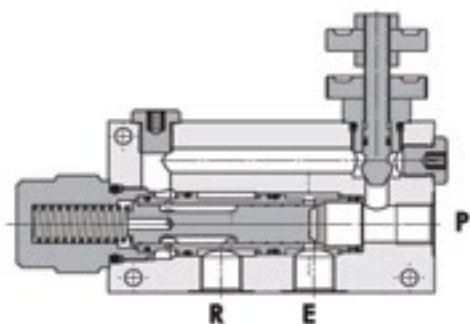
Compensation Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Line Mounted, 3 Way Pressure Compensated Flow Regulator
FPVP-1/2-G



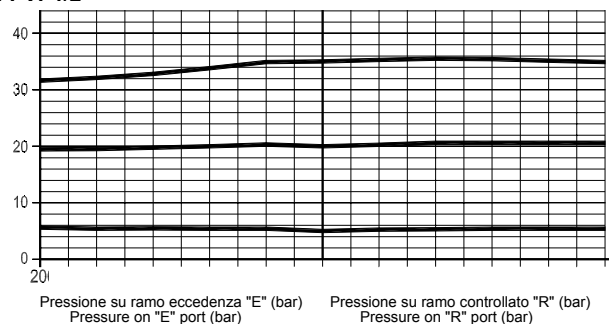
Technical Specifications

Materials	Body = aluminium Internal parts = hardened steel
Rated Flow	90 LPM with 50 LPM in "R" port
Standby Pressure	Approx. 5 bar
Max. Pressure	210 bar
Weight	1.250 kg
Port Sizes	P/E/R = G1/2
Adjustment Type	Hand knob
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

Compensation Curves

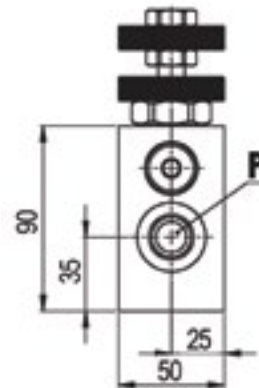
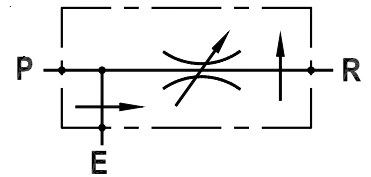
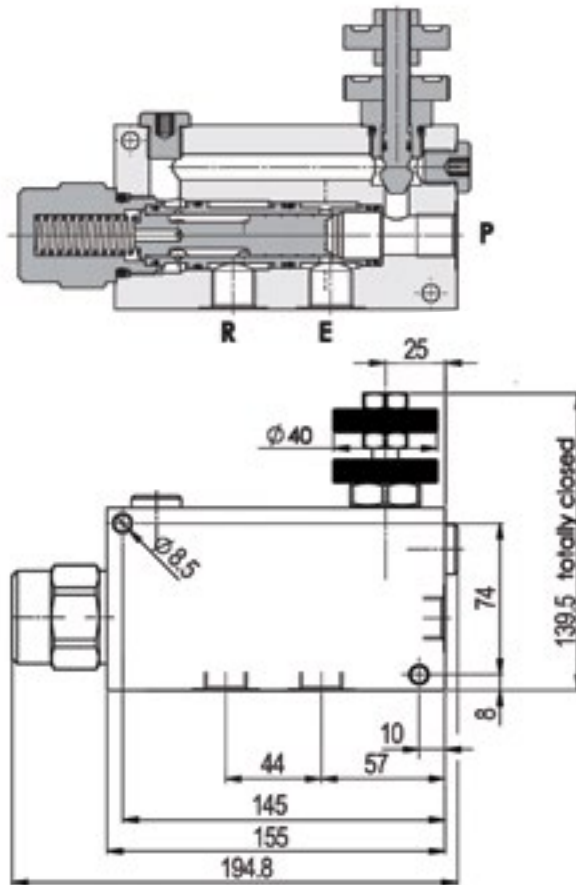
Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C

FPVP1/2"



FLOW CONTROL VALVES

Line Mounted, 3 Way Pressure Compensated Flow Regulator
FPVP-3/4-G



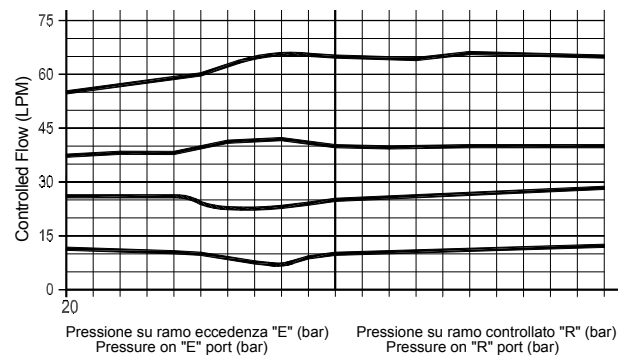
Technical Specifications

Materials	Body = aluminium Internal parts = hardened steel
Rated Flow	150 LPM with 90 LPM in "R" port
Max. Pressure	210 bar
Standby Pressure	Approx. 5 bar
Weight	2.205 kg
Port Sizes	P/E/R = G3/4
Adjustment Type	Hand knob
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

Compensation Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C

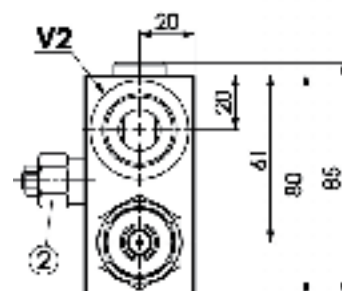
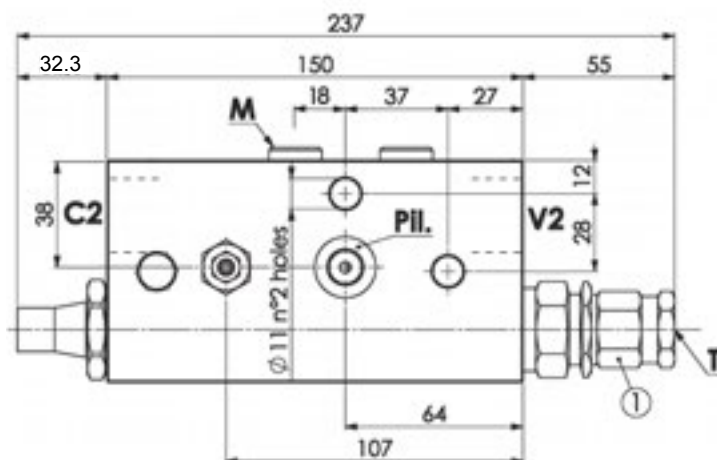
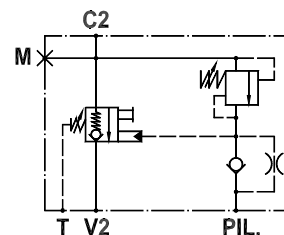
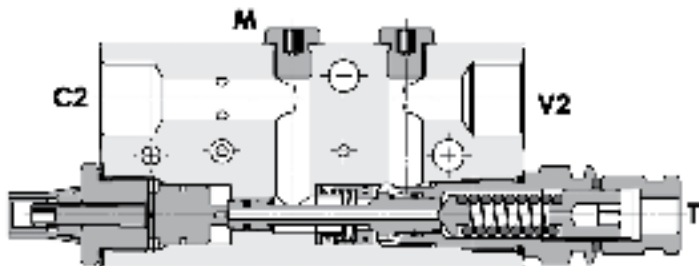
FPVP3/4"



FLOW CONTROL VALVES

Flow, Check and Metering Valve for Boom Lifts

FPEXC-150-S-3/4-L-DX-05-50

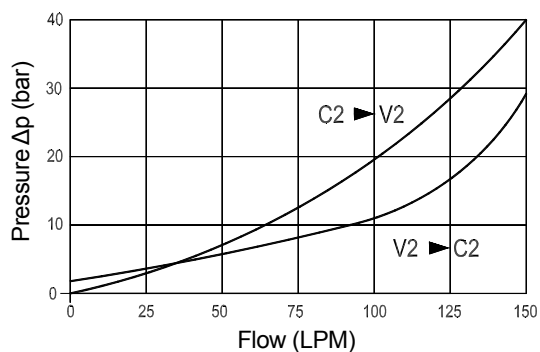


Technical Specifications

Materials	Body = steel zinc plated Internal parts = hardened steel
Rated Flow	up to 150 LPM
Adjustment Range	① = 3.5 - 19.5 bar ② = 250-500 bar
Standard Setting	① = 3.5 bar ② = 350 bar
Pressure Inc. Per Turn	① = 7.5 bar ② = 198 bar
Max. Setting	420 bar
Weight	3.600 kg
Port Sizes	C2/V2 = G3/4 PIL/T/M = G1/4
Adjustment Type	Leakproof screw
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

Pressure Drop Curves

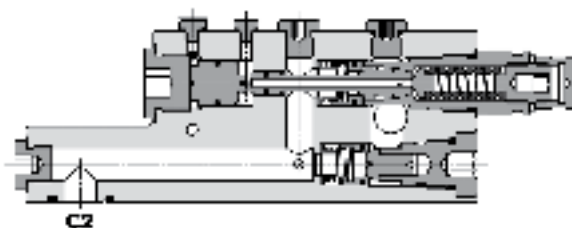
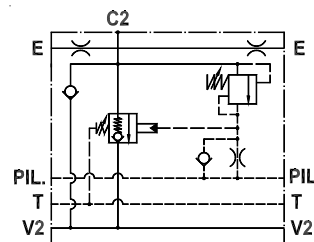
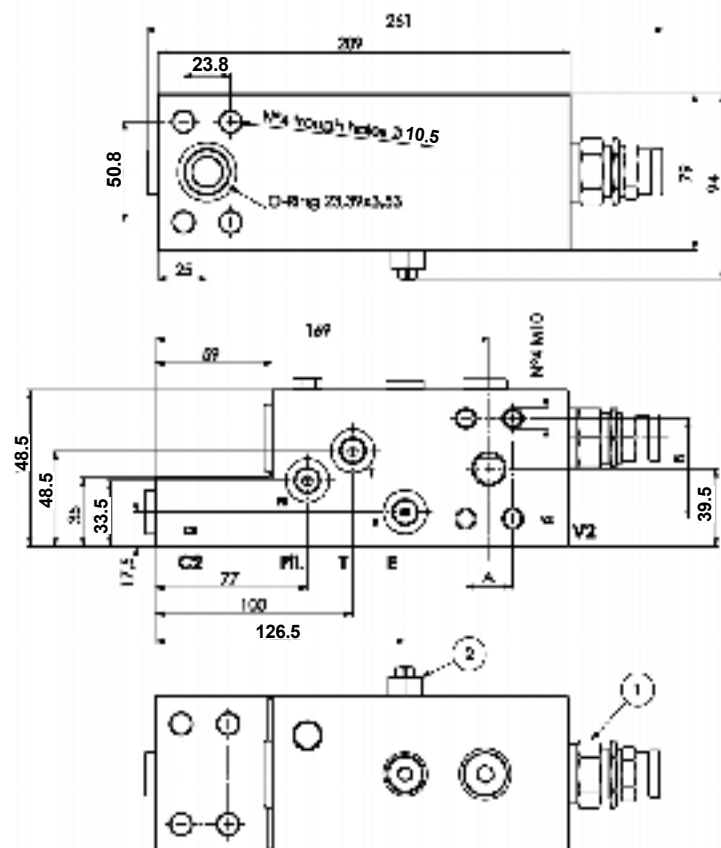
Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Flow, Check and Metering Valve for Boom Lifts

FPEXC-250-S-3/4-1F-SAE6000-05-50

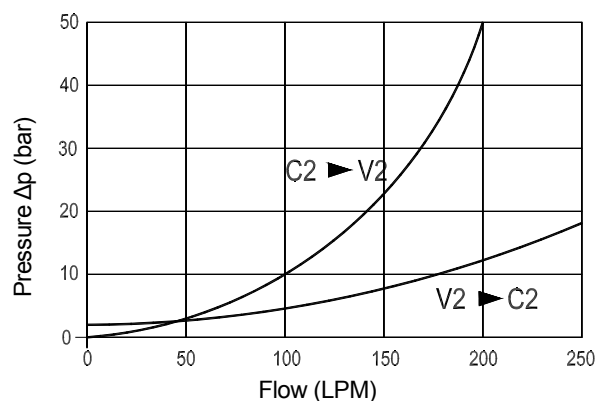


Technical Specifications

Materials	Body = steel, zinc plated Internal parts = hardened steel
Rated Flow	up to 250 LPM
Adjustment Range	① = 3.5-19.5 bar ② = 250-500 bar
Standard Setting	① = 7.8 bar ② = 350 bar
Pressure Inc. Per Turn	① = 3.5 bar ② = 198 bar
Max. Pressure	420 bar
Weight	8.100 kg
Port Sizes	C2/V2 = G3/4 SAE 6000 E/T/PIL = G1/4
Adjustment Type	Leakproof screw
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

Pressure Drop Curves

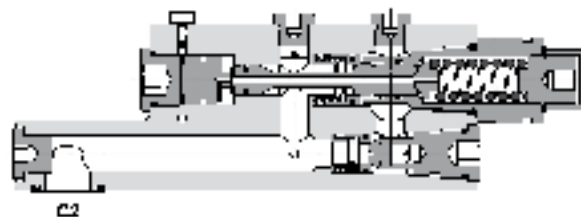
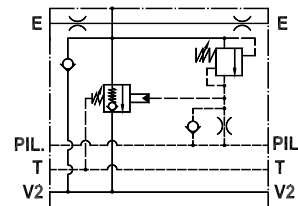
Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C





Flow, Check and Metering Valve for Boom Lifts

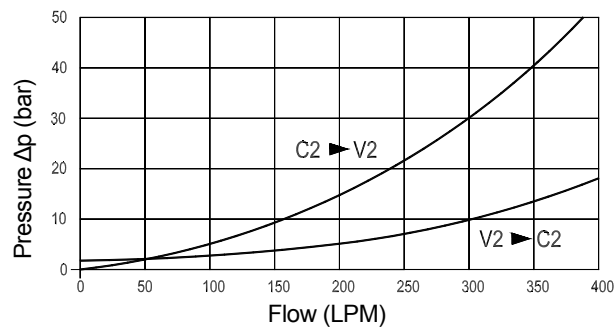
FPEXC-400-S-1-1F-SAE6000-05-50



Pressure Drop Curves

Materials	Body = steel, zinc plated Internal parts = hardened steel
Rated Flow	up to 400 LPM
Adjustment Range	① = 3.5-24 bar ② = 250-500 bar
Max. Pressure	420 bar
Weight	12.150 kg
Port Sizes	V2/C2 = 1" SAE 6000 (Code 62) E/PIL/T = G1/4
Adjustment Type	Leakproof screw
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

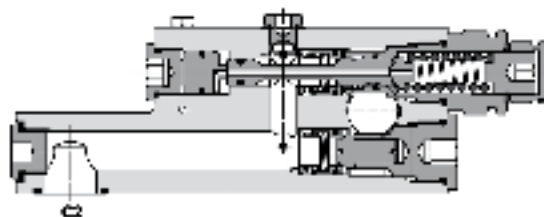
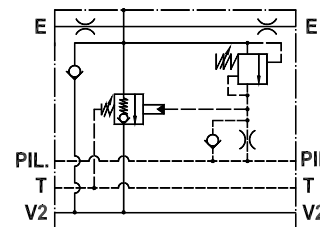
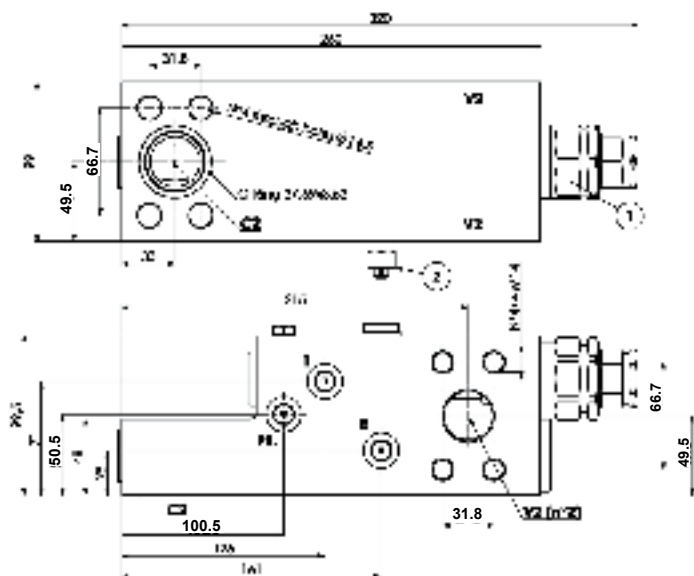
Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C



FLOW CONTROL VALVES

Flow, Check and Metering Valve for Boom Lifts

FPEXC-500S-1-1/4-1F-SAE6000-05-50



Technical Specifications

Materials	Body = steel, zinc plated Internal parts = hardened steel
Rated Flow	up to 500 LPM
Adjustment Range	① = 3.5-24 bar ② = 2: 250-500 bar
Max. Pressure	420 bar
Weight	15.300 kg
Port Sizes	V2/C2 = 1 1/4 SAE 6000 (Code 62) E/PIL/T = G1/4
Adjustment Type	Leakproof screw
Oil Temperature Range	-20°C + 80°C
Recommended Filtration	Nominal max. 10µ, ISO 4406-19/17/14 (NAS8) or less
Ambient Temperature Range	-30°C + 60°C

Pressure Drop Curves

Oil viscosity 24 mm²/sec. (3.5 °E)
Temperature 50 °C

