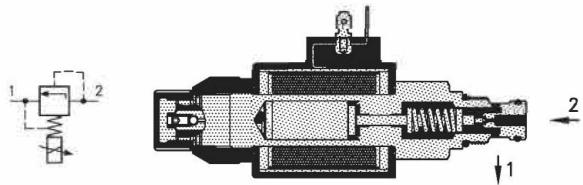
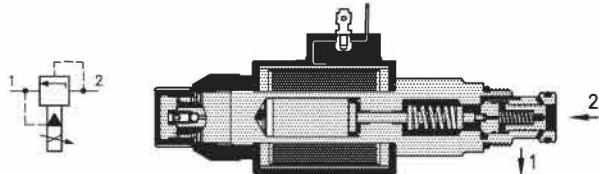
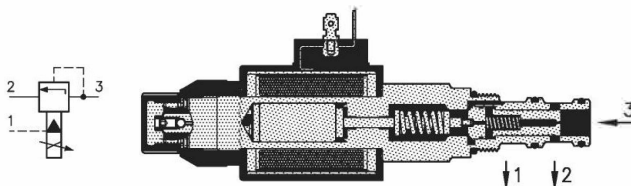


Pressure relief valves.

These are proportional solenoid valves manufactured in several sizes and with different functions. They distinguish themselves for their good peculiar features and their first rate connection between quality and price.

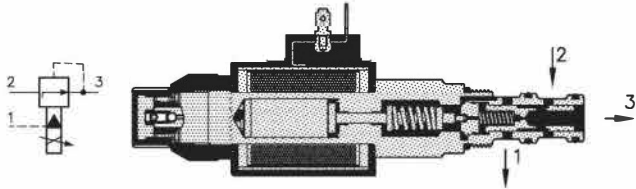
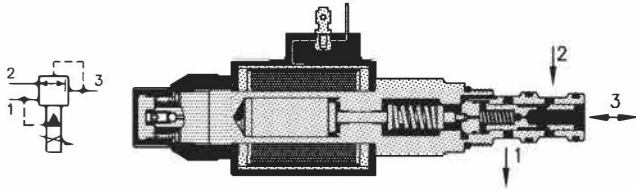
The special constructive shape allows the first setting regulation range during the assembling phase with an infinitude of regulation chances. They can be indifferently assembled with Flucom's Electronic Card or with any other normalized.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
PPS 20 series – direct acting type. Normally used for piloting dual stage valves, this pilot valve is available only in size 20 and with several regulation ranges. 	PPS 20/...	1.5	350	10.010
PPI series – pilot operated type. Pilot operated valves, available in several sizes and with different regulation ranges, are normally used for proportional pressure change in installations with high flows. 	PPI 30/...	70	350	10.020
	PPI 50/...	160	350	10.030
	PPI 70/...	320	350	10.040
PPY series – pilot operated type. Pilot operated valves, available in several sizes and with different regulation ranges, are not sensitive to possible back pressures thanks to drain line 1 which is independently connected with return line (T). 	PPY 30/...	70	350	
	PPY 50/...	160	350	
	PPY 70/...	320	350	

Pressure reducing valves.

These are proportional pressure reducing valves manufactured in several sizes, acting as reducing or reducing-relieving valve. They distinguish themselves for their first rate connection between quality and price.

The special constructive shape allows the first setting regulation range during the assembling phase with an infinitude of regulation chances. They can be indifferently assembled with Flucom's Electronic Card or with any other normalized.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
PLY series – pilot operated type. Pilot operated valves available in several sizes and with different regulation ranges, are normally used as unidirectional proportional pressure reducing valves. 	PLY 30/...	40	420/210	10.080
	PLY 50/...	90	420/210	
	PLY 70/...	160	420/210	
PLP series – pilot operated type. They have the same features of PLY series but in addition they act as pressure relief valve with flow from 3 to 1. 	PLP 30/...	40	420/210	10.130
	PLP 50/...	90	420/210	10.140
	PLP 70/...	160	420/210	

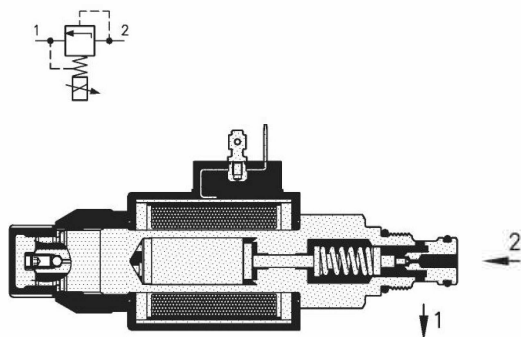
Technical features

Direct acting pressure relief valves type PPS 20 are regulated from proportional solenoid which is controlled by a remote electronic card and modifies setting, changing the poppet acting force.

By de-energised valve, flow coming from 2 is drained in 1 at a minimum setting pressure.

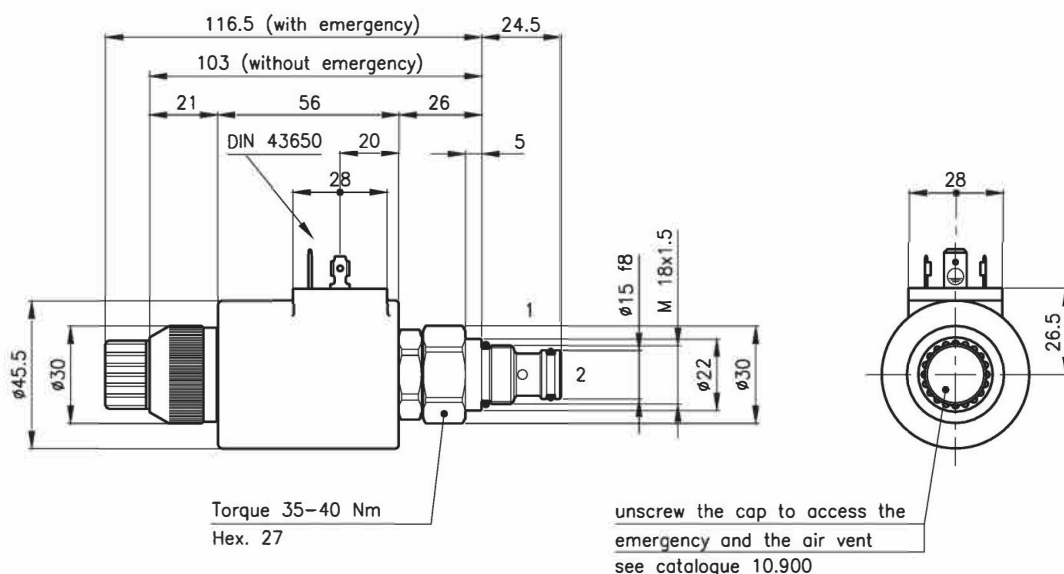
Operating on potentiometer through electronic card allows to act on proportional solenoid and it's possible to obtain numberless precise and repeatable adjustments.

For electronic control card technical features see from General Catalogue page n. 10.250.

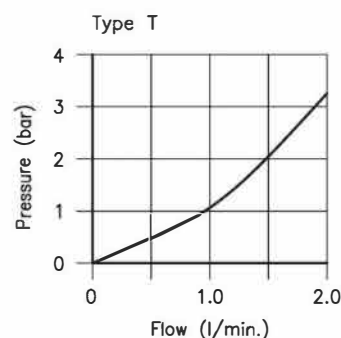
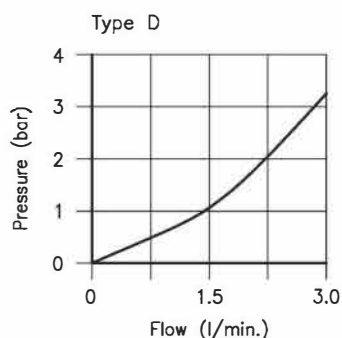
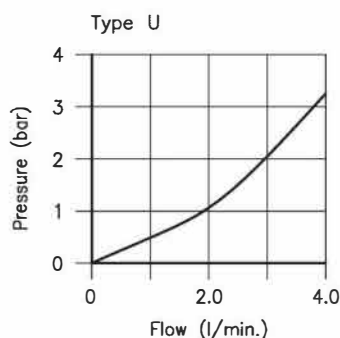


Cavity	(For dimensions see catalogue 17.000)	S 20/2
Max. flow	(l/min.)	1.5
Max. inlet pressure	(bar)	315
Max. pressure on line 1	(bar)	175
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Max. leakage	(cm ³ /min.)	10
Mass	(kg)	0.600
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Standard seals in Polyurethane and Buna N		

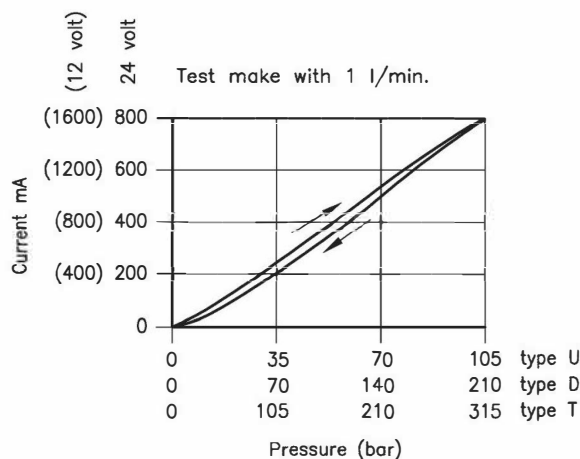
Nominal voltage	(Volt)	12	24
Current range	(mA)	1600	800
Nominal power	(Watt)	22	
Resistance	(Ω)	6.8	26
Insulation class	(VDE 0580)	F 155	
Rating	(ED%)	100	
Protection class	(DIN 40050)	IP 65	
Frequency PWM optimal (dither)		180 (±5Hz)	

Dimensions


PRESSURE DROP (de-energized solenoid)



TYPICAL RELIEVING PRESSURE (2 to 1 at Various of Control Current)



Ordering informations

PPS 20/D-24C-22H-W

PPS 20 = Valve type



Setting range

U = 0 - 105 bar

D = 0 - 210 bar

T = 0 - 315 bar

Voltage and power

12C-22H = 12 Volt DC

24C-22H = 24 Volt DC

W = Optional without Emergency

Codes:

PPS 20/U-12C-22H 25 011 163

PPS 20/D-12C-22H 25 011 164

PPS 20/T-12C-22H 25 011 165

PPS 20/U-24C-22H 25 011 153

PPS 20/D-24C-22H 25 011 154

PPS 20/T-24C-22H 25 011 155

External seals kit 90 620 100

Code only coil:

Coil P50-24C-22H 55 125 114

Coil P50-12C-22H 55 125 113

PPS 20 valves can be assembled
on standard bodies 20-L0 series;
for dimensions see catalogue 16.010

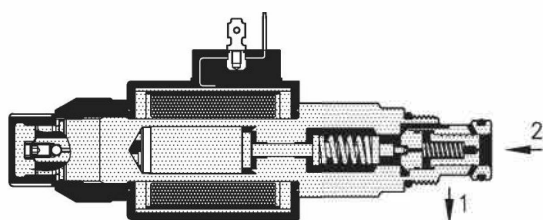
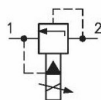
Technical features

Pilot pressure relief valves type PPI 30 are regulated from proportional solenoid which is controlled by a remote electronic card and modifies setting, changing the piloting system acting force.

By de-energised valve, flow coming from 2 is drained in 1 at a minimum setting pressure.

Operating on potentiometer through electronic card allows to act on proportional solenoid and it's possible to obtain numberless precise and repeatable adjustments.

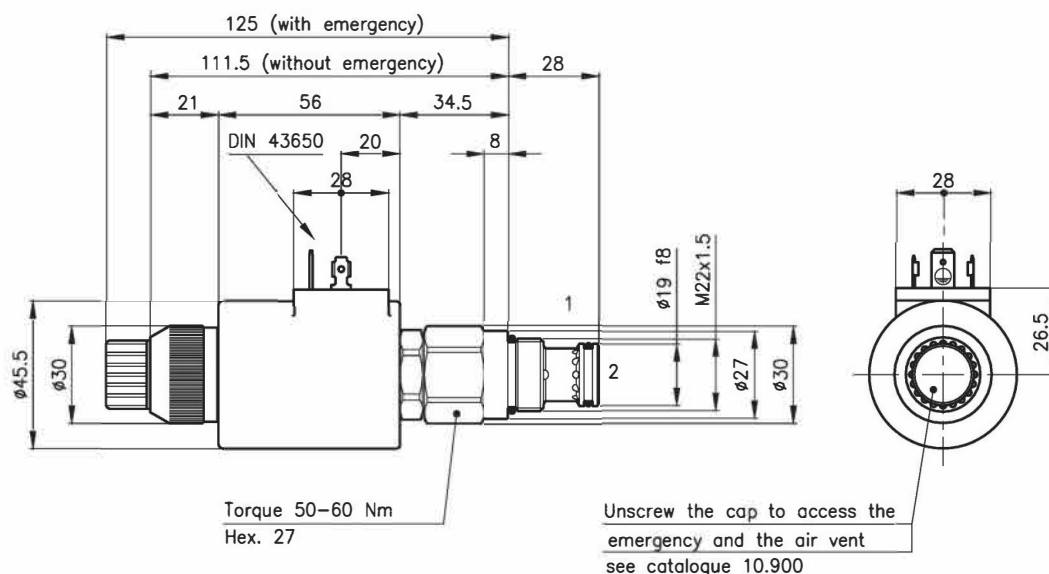
For electronic control card technical features see from General Catalogue page n. 10.250.



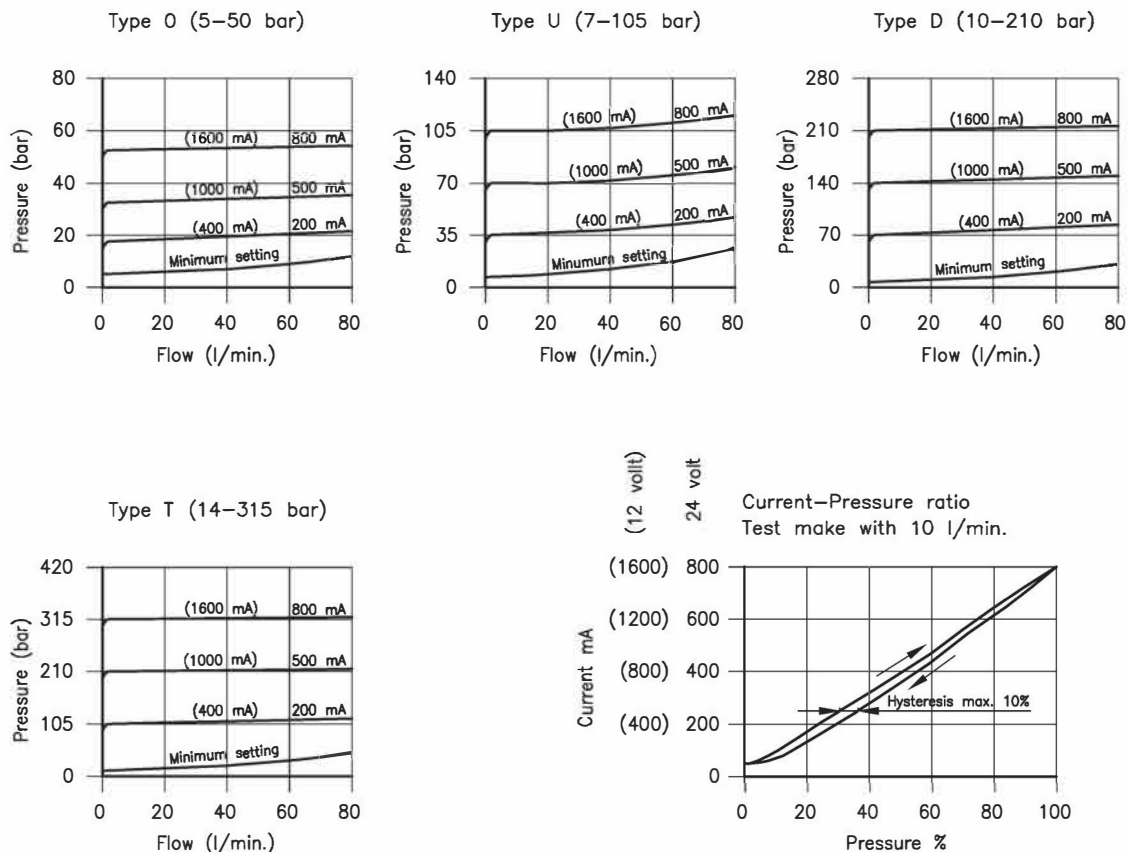
Cavity	(For dimensions see catalogue 17.000)	S 30/2
Max. flow	(l/min.)	70
Max. inlet pressure	(bar)	315
Max. pressure on line 1	(bar)	175
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Max. leakage	(cm ³ /min.)	25
Mass	(kg)	0.620
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Standard seals in Polyurethane and Buna N		

Nominal voltage	(Volt)	12	24
Current range	(mA)	1600	800
Nominal power	(Watt)	22	
Resistance	(Ω)	6.8	26
Insulation class	(VDE 0580)	F 155	
Rating	(ED%)	100	
Protection class	(DIN 40050)	IP 65	
Frequency PWM optimal (dither)		180 (±5Hz)	

Dimensions



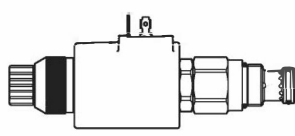
TYPICAL RELIEVING PRESSURE (2 to 1 at Various of Control Current)



Ordering informations

PPI 30/D-24C-22H-W

PPI 30 = Valve type



Setting range

O = 5 – 50 bar

U = 7 – 105 bar

D = 10 – 210 bar

T = 14 – 315 bar

Voltage and power

12C-22H = 12 Volt DC

24C-22H = 24 Volt DC

W = Optional without Emergency

Codes:

PPI 30/O-12C-22H	35 011 224
PPI 30/U-12C-22H	35 011 176
PPI 30/D-12C-22H	35 011 177
PPI 30/T-12C-22H	35 011 178

PPI 30/O-24C-22H	35 011 222
PPI 30/U-24C-22H	35 011 162
PPI 30/D-24C-22H	35 011 163
PPI 30/T-24C-22H	35 011 164

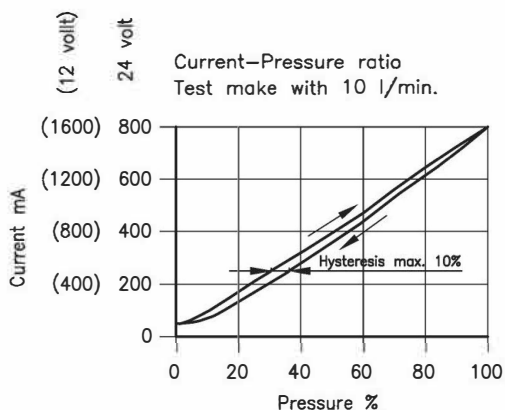
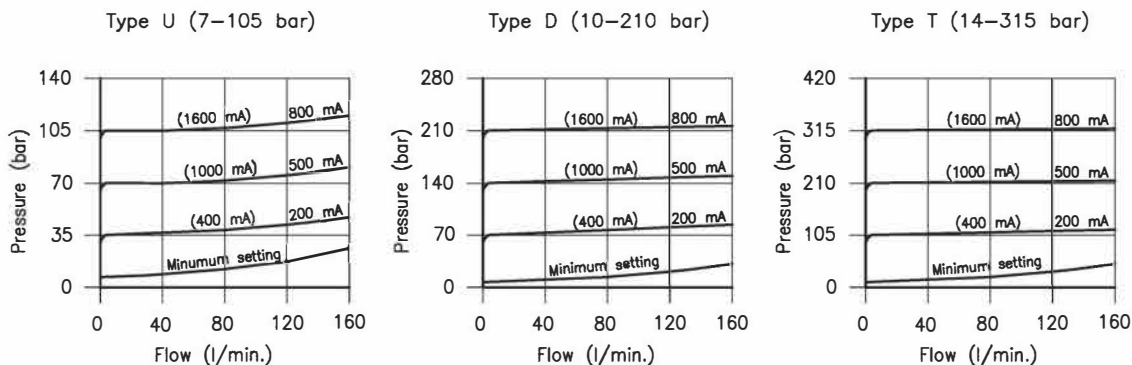
External seals kit	90 620 103
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Code only coil:

Coil P50-24C-22H	55 125 114
Coil P50-12C-22H	55 125 113

PPI 30 valves can be assembled on standard bodies 30-L0 series; for dimensions see catalogue 16.010

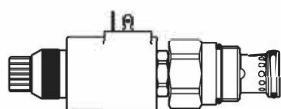
TYPICAL RELIEVING PRESSURE (2 to 1 at Various of Control Current)



Ordering informations

PPI 50/D-24C-22H-W

PPI 50 = Valve type



Setting range

U = 7 – 105 bar

D = 10 – 210 bar

T = 14 – 315 bar

Voltage and power

12C-22H = 12 Volt DC

24C-22H = 24 Volt DC

W = Optional without Emergency

Codes:

PPI 50/U-12C-22H	55 011 144
PPI 50/D-12C-22H	55 011 145
PPI 50/T-12C-22H	55 011 146
PPI 50/U-24C-22H	55 011 147
PPI 50/D-24C-22H	55 011 148
PPI 50/T-24C-22H	55 011 149

External seals kit 90 620 106

Code only coil:

Coil P50-24C-22H	55 125 114
Coil P50-12C-22H	55 125 113

PPI 50 valves can be assembled on standard bodies 50-L0 series; for dimensions see catalogue 16.010

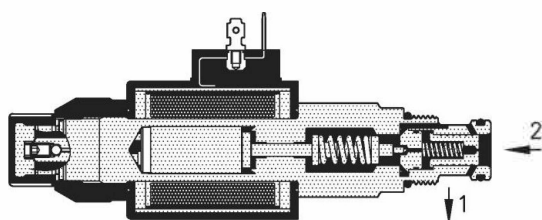
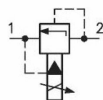
Technical features

Pilot pressure relief valves type PPI 70 are regulated from proportional solenoid which is controlled by a remote electronic card and modifies setting, changing the piloting system acting force.

By de-energised valve, flow coming from 2 is drained in 1 at a minimum setting pressure.

Operating on potentiometer through electronic card allows to act on proportional solenoid and it's possible to obtain numberless precise and repeatable adjustments.

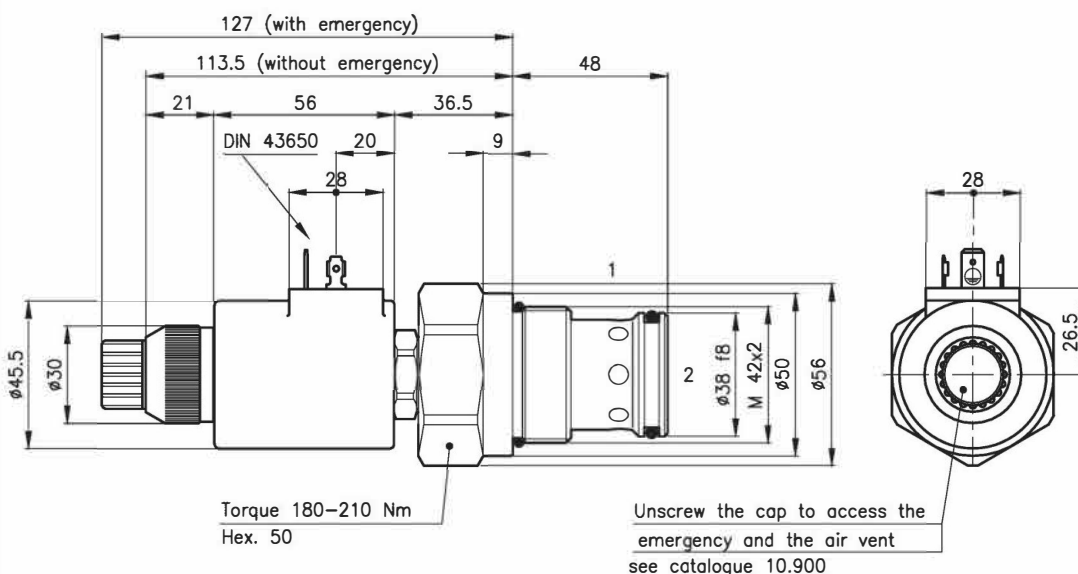
For electronic control card technical features see from General Catalogue page n. 10.250.



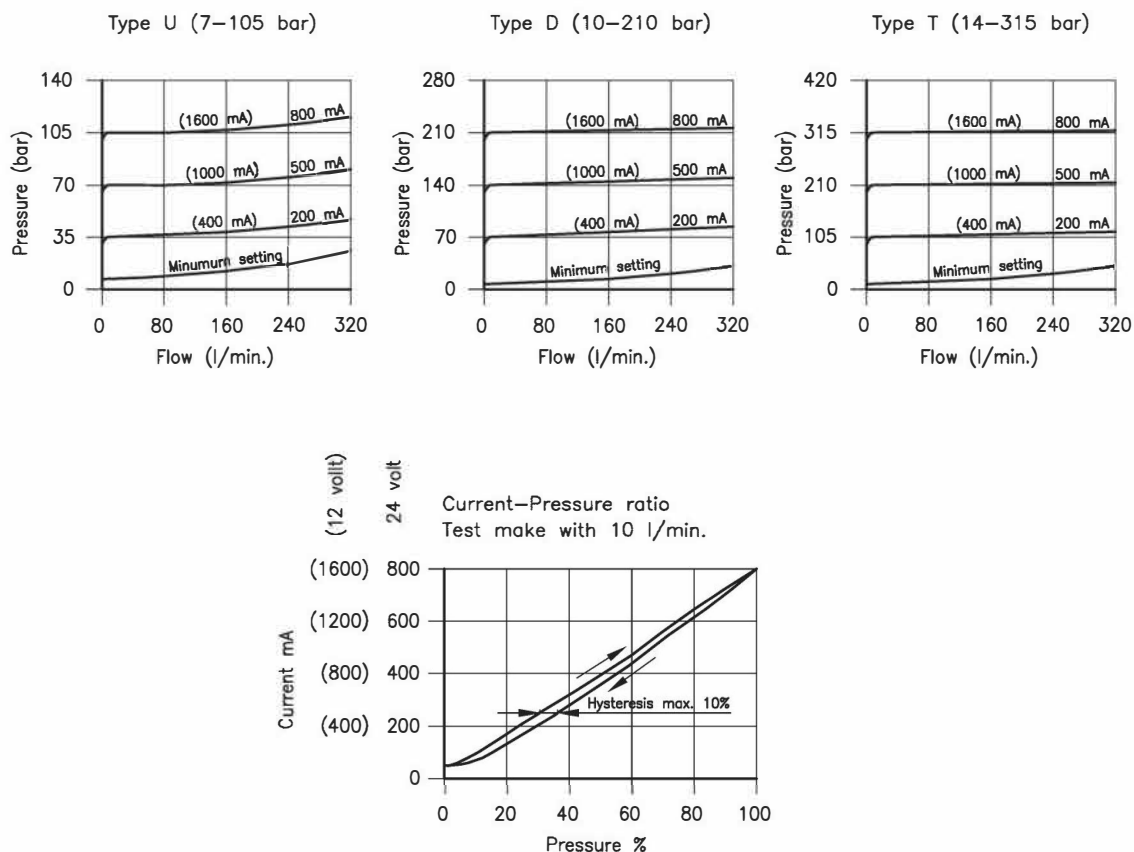
Cavity	(For dimensions see catalogue 17.000)	S 70/2
Max. flow	(l/min.)	320
Max. inlet pressure	(bar)	350
Max. pressure on line 1	(bar)	175
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Max. leakage	(cm ³ /min.)	25
Mass	(kg)	0.940
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Standard seals in Polyurethane and Buna N		

Nominal voltage	(Volt)	12	24
Current range	(mA)	1600	800
Nominal power	(Watt)	22	
Resistance	(Ω)	6.8	26
Insulation class	(VDE 0580)	F 155	
Rating	(ED%)	100	
Protection class	(DIN 40050)	IP 65	
Frequency PWM optimal (dither)		180 (±5Hz)	

Dimensions



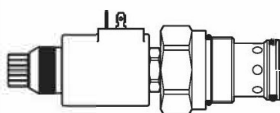
TYPICAL RELIEVING PRESSURE (2 to 1 at Various of Control Current)



Ordering informations

PPI 70/D-24C-22H-W

PPI 70 = Valve type



Setting range

U = 7 – 105 bar

D = 10 – 210 bar

T = 14 – 315 bar

Voltage and power

12C-22H = 12 Volt DC

24C-22H = 24 Volt DC

W = Optional without Emergency

Codes:

PPI 70/U-12C-22H 75 011 108

PPI 70/D-12C-22H 75 011 109

PPI 70/T-12C-22H 75 011 110

PPI 70/U-24C-22H 75 011 111

PPI 70/D-24C-22H 75 011 112

PPI 70/T-24C-22H 75 011 113

External seals kit 90 620 109

Code only coil:

Coil P50-24C-22H 55 125 114

Coil P50-12C-22H 55 125 113

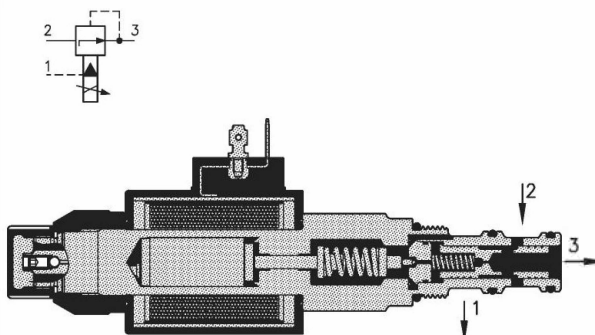
PPI 70 valves can be assembled on standard bodies 70-LO series; for dimensions see catalogue 16.010

Technical features

Pilot pressure reducing valves type PLY 30 are regulated from proportional solenoid which is controlled by a remote electronic card and modifies setting, changing the piloting system acting force.

Operating on potentiometer through electronic card allows to act on proportional solenoid and it's possible to obtain numberless precise and repeatable adjustments.

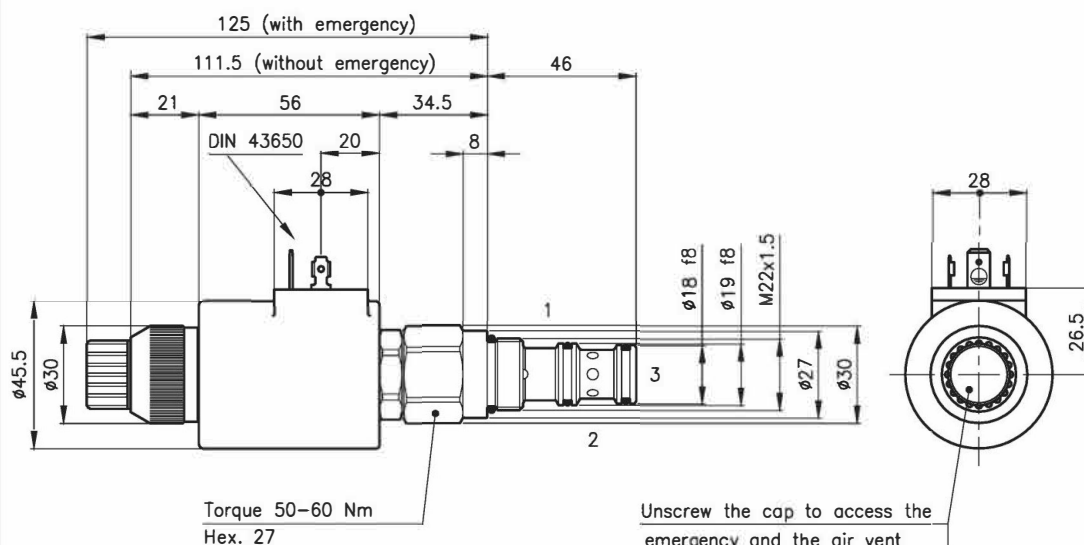
For electronic control card technical features see from General Catalogue page n. 10.250.



Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. flow	(l/min.)	45
Max. pressure on line 2	(bar)	315
Max. pressure on line 1	(bar)	210
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Max. drain	(cm ³ /min.)	600
Mass	(kg)	0.640
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Standard seals in Polyurethane and Buna N		

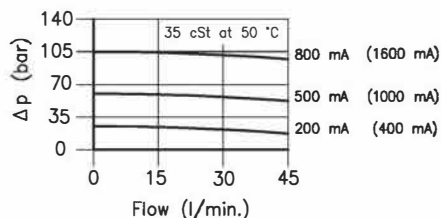
Nominal voltage	(Volt)	12	24
Current range	(mA)	1600	800
Nominal power	(Watt)	22	
Resistance	(Ω)	6.8	26
Insulation class	(VDE 0580)	F 155	
Rating	(ED%)	100	
Protection class	(DIN 40050)	IP 65	
Frequency PWM optimal (dither)		180 (±5Hz)	

Dimensions

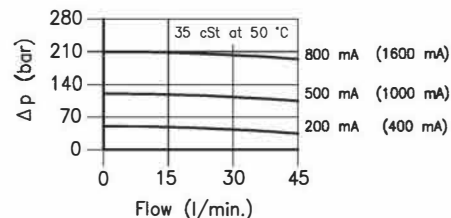


TYPICAL VALVES FEATURE AT VARIOUS OF CONTROL CURRENT

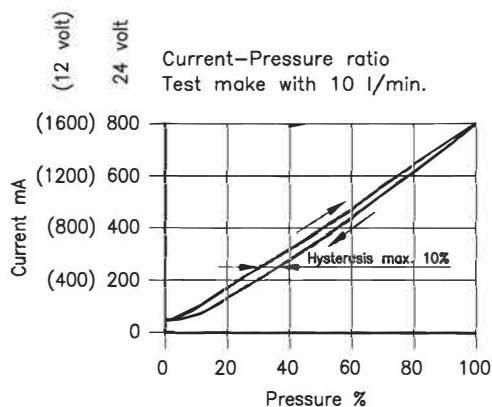
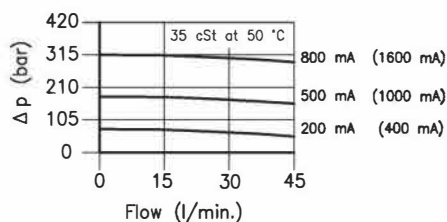
Type U (7–105 bar)



Type D (10–210 bar)



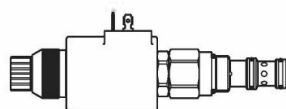
Type T (14–315 bar)



Ordering informations

PLY 30/D-24C-22H-W

PLY 30 = Valve type



Setting range

U = 7 – 105 bar

D = 10 – 210 bar

T = 14 – 315 bar

Voltage and power

12C-22H = 12 Volt DC

24C-22H = 24 Volt DC

W = Optional without Emergency

Codes:

PLY 30/U-12C-22H	35 011 173
PLY 30/D-12C-22H	35 011 174
PLY 30/T-12C-22H	35 011 175

PLY 30/U-24C-22H	35 011 188
PLY 30/D-24C-22H	35 011 189
PLY 30/T-24C-22H	35 011 190

External seals kit	90 620 104
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Code only coil:

Coil P50-24C-22H	55 125 114
Coil P50-12C-22H	55 125 113

PLY 30 valves can be assembled on standard bodies 30-C3 series; for dimensions see catalogue 16.010

Technical features

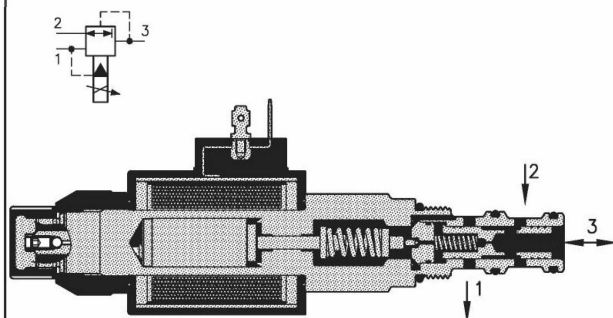
Pilot pressure reducing-relieving valves type PLP 30 are regulated from proportional solenoid which is controlled by a remote electronic card and modifies setting, changing the piloting system acting force.

They are normally used as unidirectional proportional pressure reducing valves with flow from 2 to 3.

With flow from 3 to 1 they act as pressure relief valve and by de-energised valve, flow coming from 3 is drained in 1 at a minimum setting pressure.

Operating on potentiometer through electronic card allows to act on proportional solenoid and it's possible to obtain numberless precise and repeatable adjustments.

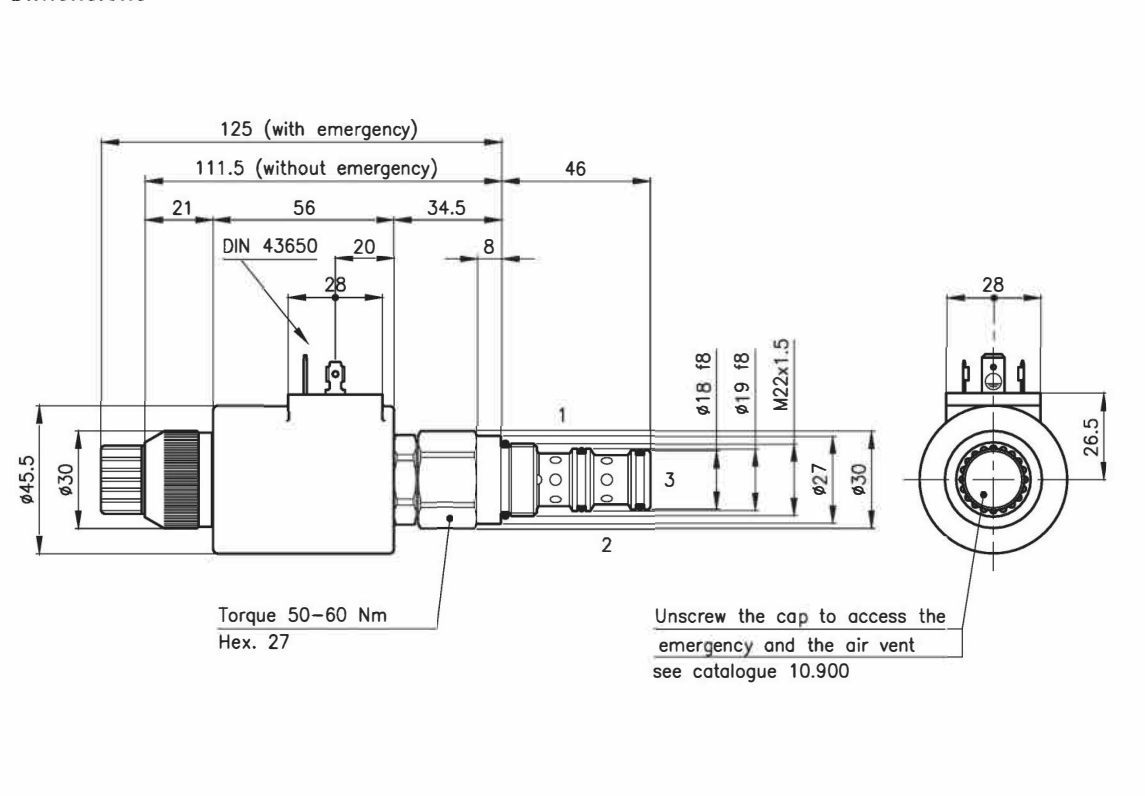
For electronic control card technical features see from General Catalogue page n. 10.250.



Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. flow	(l/min.)	45
Max. pressure on line 2	(bar)	315
Max. pressure on line 1	(bar)	210
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Max. drain	(cm ³ /min.)	600
Mass	(kg)	0.640
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Standard seals in Polyurethane and Buna N		

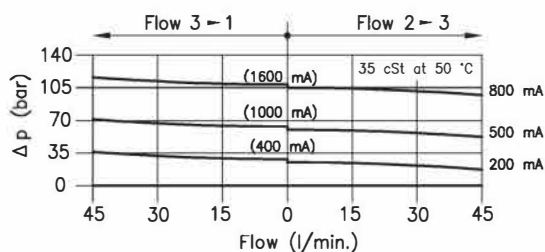
Nominal voltage	(Volt)	12	24
Current range	(mA)	1600	800
Nominal power	(Watt)	22	
Resistance	(Ω)	6.8	26
Insulation class	(VDE 0580)	F 155	
Rating	(ED%)	100	
Protection class	(DIN 40050)	IP 65	
Frequency PWM optimal (dither)		180 (±5Hz)	

Dimensions

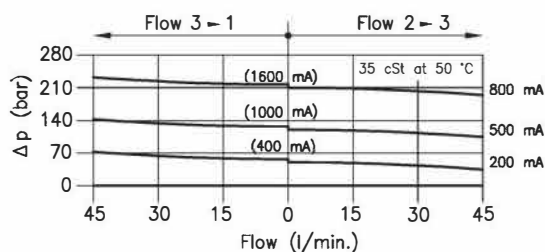


TYPICAL VALVES FEATURE AT VARIOUS OF CONTROL CURRENT

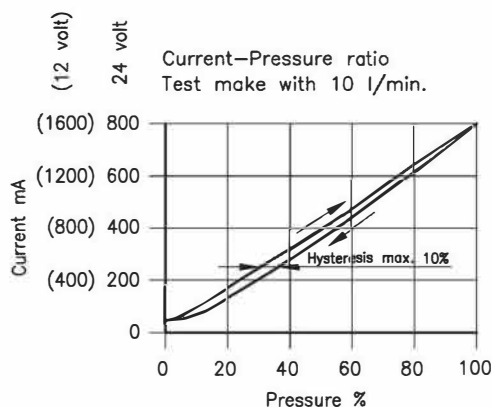
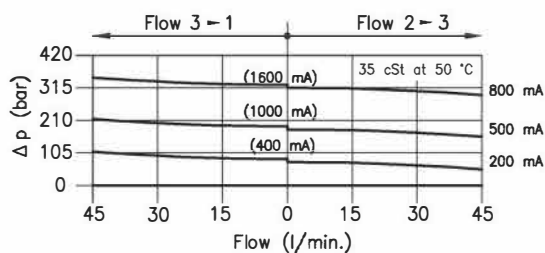
Type U (7–105 bar)



Type D (10–210 bar)



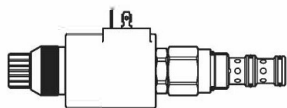
Type T (14–315 bar)



Ordering informations

PLP 30/D-24C-22H-W

PLP 30 = Valve type



Setting range

U = 7 – 105 bar

D = 10 – 210 bar

T = 14 – 315 bar

Voltage and power

12C-22H = 12 Volt DC

24C-22H = 24 Volt DC

W = Optional without Emergency

Codes:

PLP 30/U-12C-22H 35 011 170

PLP 30/D-12C-22H 35 011 171

PLP 30/T-12C-22H 35 011 172

PLP 30/U-24C-22H 35 011 185

PLP 30/D-24C-22H 35 011 186

PLP 30/T-24C-22H 35 011 187

External seals kit 90 620 104

Code only coil:

Coil P50-24C-22H 55 125 114

Coil P50-12C-22H 55 125 113

PLP 30 valves can be assembled on standard bodies 30-C3 series; for dimensions see catalogue 16.010

Technical features

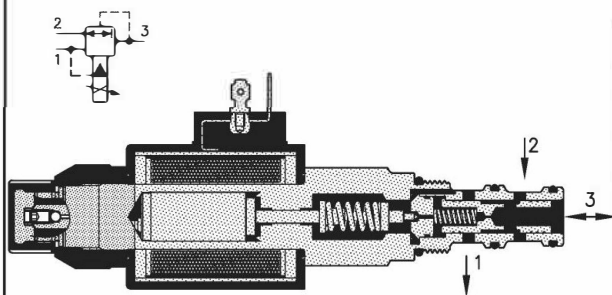
Pilot pressure reducing-relieving valves type PLP 50 are regulated from proportional solenoid which is controlled by a remote electronic card and modifies setting, changing the piloting system acting force.

They are normally used as unidirectional proportional pressure reducing valves with flow from 2 to 3.

With flow from 3 to 1 they act as pressure relief valve and by de-energised valve, flow coming from 3 is drained in 1 at a minimum setting pressure.

Operating on potentiometer through electronic card allows to act on proportional solenoid and it's possible to obtain numberless precise and repeatable adjustments.

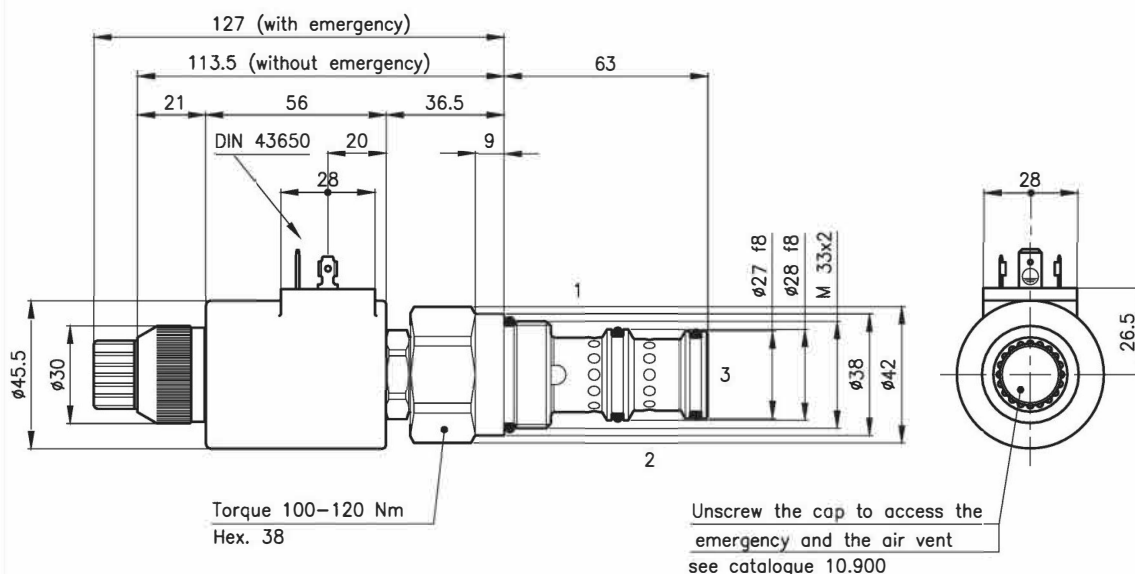
For electronic control card technical features see from General Catalogue page n. 10.250.



Cavity	(For dimensions see catalogue 17.000)	S 50/3
Max. flow	(l/min.)	90
Max. pressure on line 2	(bar)	315
Max. pressure on line 1	(bar)	210
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Max. drain	(cm ³ /min.)	600
Mass	(kg)	0.820
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Standard seals in Polyurethane and Buna N		

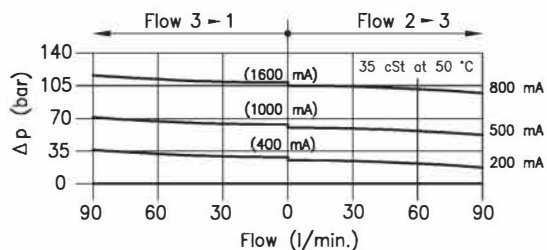
Nominal voltage	(Volt)	12	24
Current range	(mA)	1600	800
Nominal power	(Watt)	22	
Resistance	(Ω)	6.8	26
Insulation class	(VDE 0580)	F 155	
Rating	(ED%)	100	
Protection class	(DIN 40050)	IP 65	
Frequency PWM optimal (dither)		180 (±5Hz)	

Dimensions

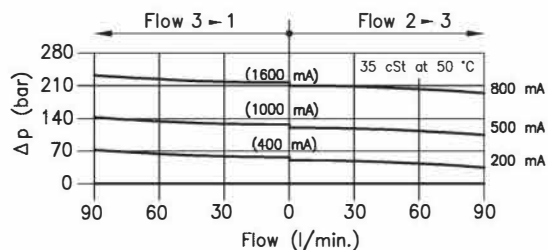


TYPICAL VALVES FEATURE AT VARIOUS OF CONTROL CURRENT

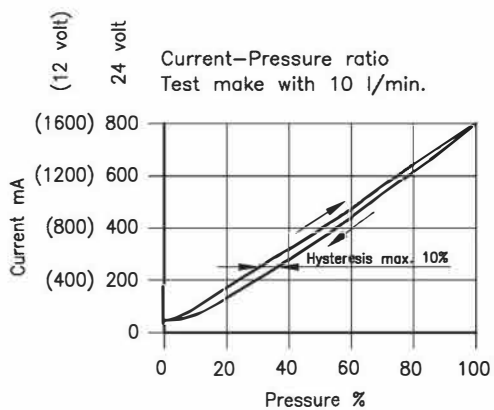
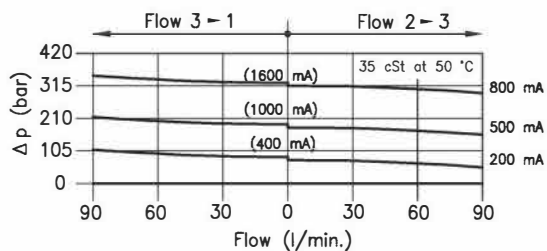
Type U (7–105 bar)



Type D (10–210 bar)



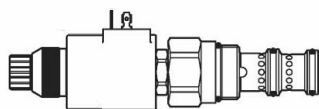
Type T (14–315 bar)



Ordering informations

PLP 50/D-24C-22H-W

PLP 50 = Valve type



Setting range

U = 7 – 105 bar

D = 10 – 210 bar

T = 14 – 315 bar

Voltage and power

12C-22H = 12 Volt DC

24C-22H = 24 Volt DC

W = Optional without Emergency

Codes:

PLP 50/U-12C-22H 55 011 150

PLP 50/D-12C-22H 55 011 151

PLP 50/T-12C-22H 55 011 152

PLP 50/U-24C-22H 55 011 153

PLP 50/D-24C-22H 55 011 154

PLP 50/T-24C-22H 55 011 155

External seals kit 90 620 107

Code only coil:

Coil P50-24C-22H 55 125 114

Coil P50-12C-22H 55 125 113

PLP 50 valves can be assembled on standard bodies 50-C3 series; for dimensions see catalogue 16.010