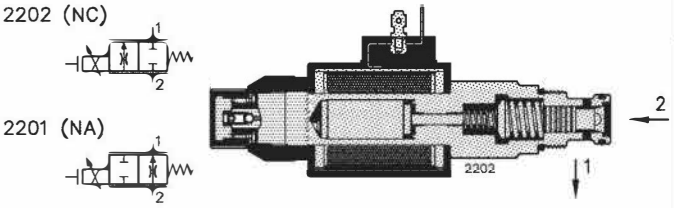
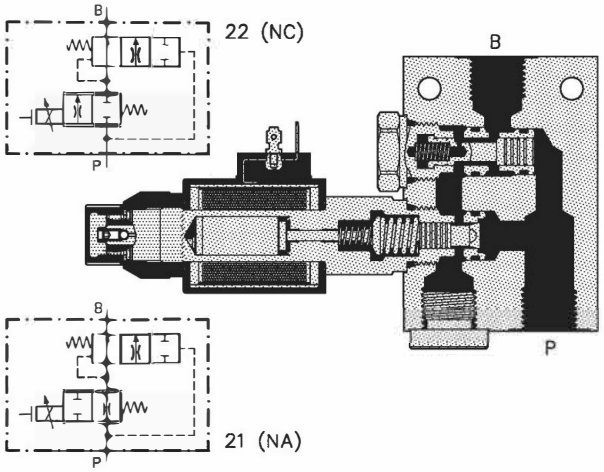
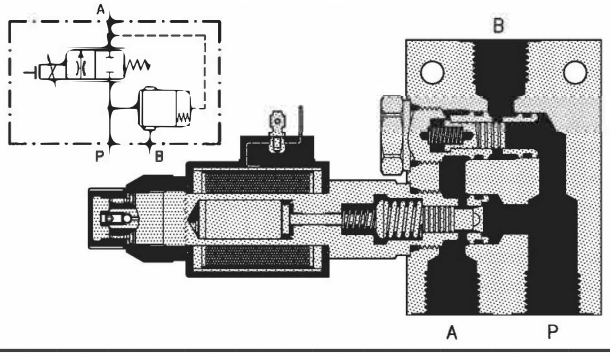
Flow controls.

Proportional solenoid valves PPS series are flow regulator not compensated, normally closed or normally open, wich is controlled by a remote electronic card. Operating on potentiometer throught electronic card allow to act on proportional solenoid and it's possible to obtain an infinitude of different regulations with great precision and repeatability.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
PSS series Direct acting are available with two range of adjustment; are provided with a manual override an back side and a screw for the initial air vent–hole. 2202 (NC) 2201 (NA) 	**PSS 30/ 2202**	30/60	315	10.160
	PSS 30/ 2201	30/60	315	10.160
PPQ 30/2.. series Pressure compensated proportional two way flow regulator normally closed or open. This combination valve uses a PSS 30 proportional valve and an ELP 30/Q2 compensator. 	**PPQ 30/22**	20/40	315	10.170
	PPQ 30/21	20/40	315	10.170
PPQ 30/3.. series Pressure compensated proportional three way flow regulator that is by–pass style. This combination valve uses a PSS 30 proportional valve and an ELP 30/Q1 logic element. 	**PPQ 30/3..**	30/60	315	10.180

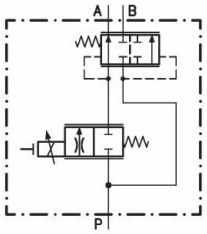
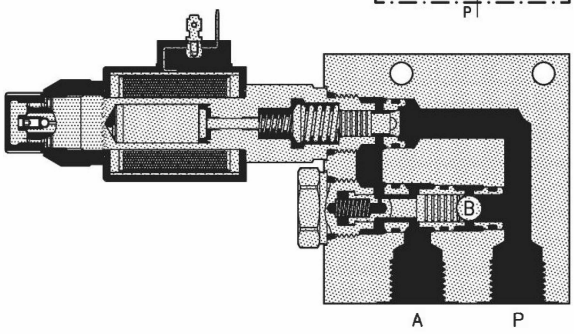
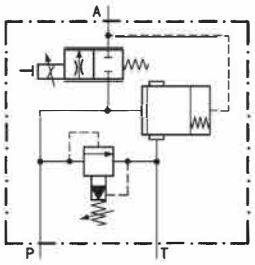
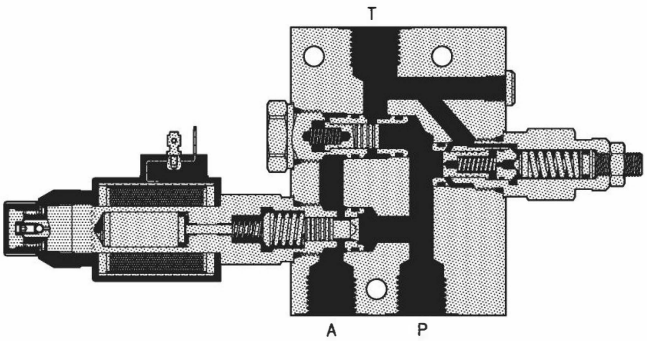
10

10_002

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

Flow controls.

Proportional solenoid valves PPS series are flow regulator not compensated, normally closed or normally open, wich is controlled by a remote electronic card. Operating on potentiometer throught electronic card allow to act on proportional solenoid and it's possible to obtain an infinitude of different regulations with great precision and repeatability.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
PPQ 30/3–Q4 series Pressure compensated proportional three way flow regulator that is by–pass style. This combination valve uses a PSS 30 proportional valve and an ELP 30/Q4 logic element.   	**PPQ 30/3 –Q4**	20/40	315	10.185
PPP 30/3.. series Pressure compensated proportional three way flow regulator that is by–pass style. This combination valve uses a PSS 30 proportional valve, an ELP 30/Q1 logic element and a LPI 30 pressure relief valve.   	**PPP 30/3..**	30/60	315	10.195

10

10_003

FLUCOM ITALY

PROPORTIONAL FLOW CONTROL VALVES

TWO WAY UNIDIRECTIONAL NON–COMPENSATED **PSS 30**

10.160

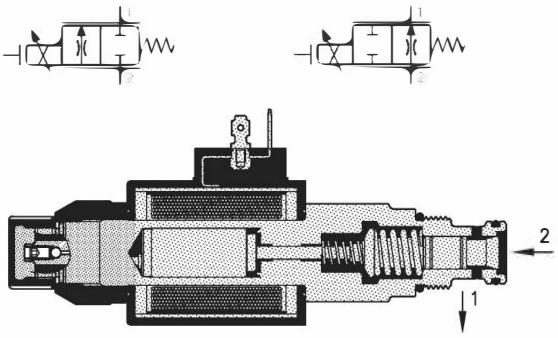
01.19

Technical features

Proportional solenoid valves PSS 30 are flow regulator not compensated, normally closed or normally open, which is controlled by a remote electronic card.
Operating on potentiometer throught electronic card allows to act on proportional solenoid and it's possible to obtain an infinitude of different regulations with great precision and repeatability.
For technical features of electronic control cards see from General Catalogue page n. 10.250.

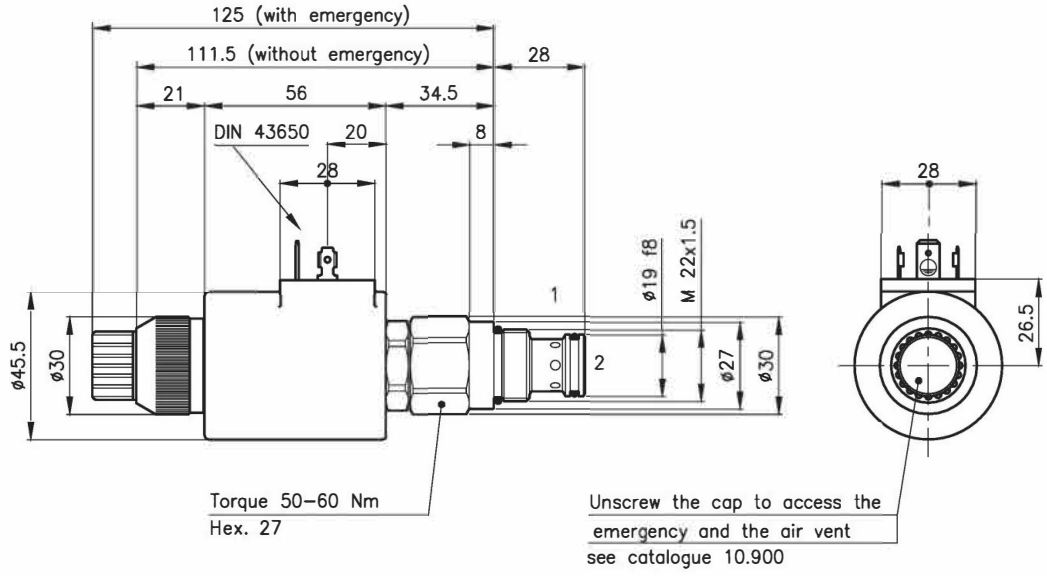
Cavity (For dimensions see catalogue 17.000)		S 30/2
Max. flow	(l/min.)	70
Max. pressure on line 1	(bar)	315
Max. pressure on line 2	(bar)	210
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Max. leakage	(cm^3/min.)	100
Mass	(kg)	0.620
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Standard seals in Polyurethane and Buna N		

2202 **2201**



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

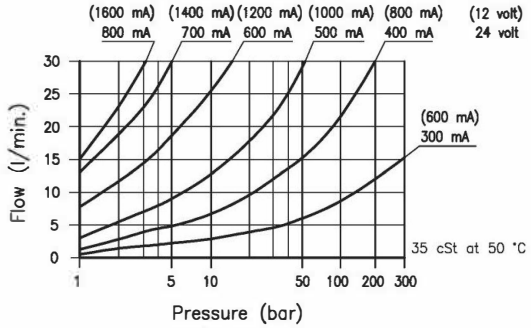


10_1601

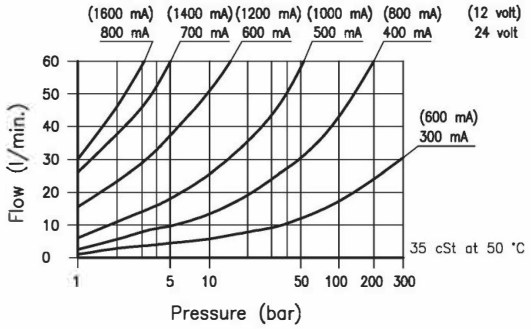
Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

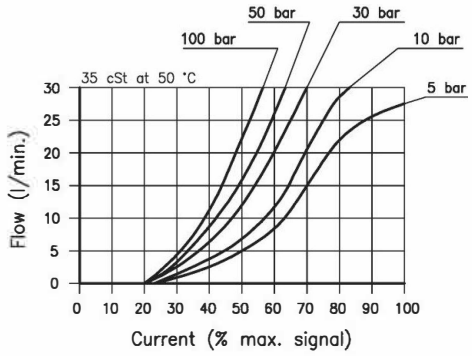
TYPICAL VALVES FEATURE AT VARIOUS OF CONTROL CURRENT

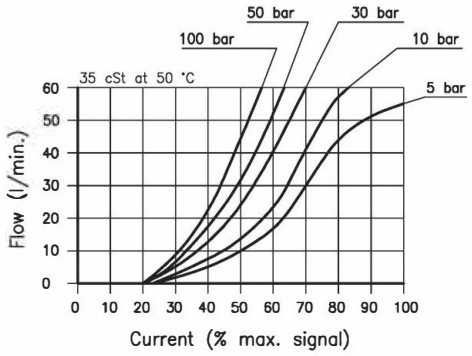
"D" Version (30 l/min.)



"Q" Version (60 l/min.)



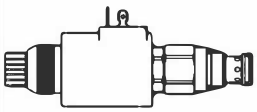




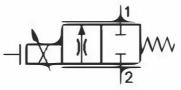
Ordering informations

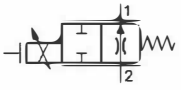
PSS 30/2202-D-24C-22H-W

PSS 30 = Valve type



Circuit

2202 = 

2201 = 

Max. adjusted flow

D = 30 l/min.

Q = 60 l/min.

Voltage and power

12C-22H = 12 Volt DC

24C-22H = 24 Volt DC

Codes:

PSS 30/2202-D-12C-22H	35 011 181
PSS 30/2202-Q-12C-22H	35 011 182
PSS 30/2202-D-24C-22H	35 011 183
PSS 30/2202-Q-24C-22H	35 011 184
PSS 30/2201-D-12C-22H	35 011 247
PSS 30/2201-Q-12C-22H	35 011 248
PSS 30/2201-D-24C-22H	35 011 249
PSS 30/2201-Q-24C-22H	35 011 250
External seals kit	90 620 103

Code only coil:

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

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

W = Optional without Emergency

10_1602

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

FLUCOM ITALY

PROPORTIONAL FLOW CONTROL VALVES

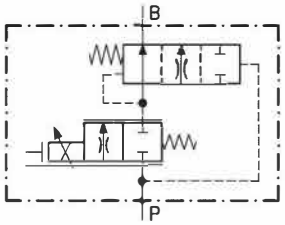
COMPENSATED TWO WAY UNIDIRECTIONAL **PPQ 30/2**

10.170

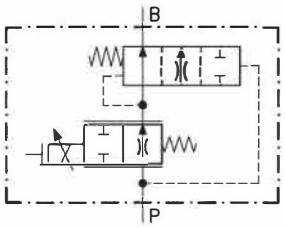
01.19

Technical features

Proportional solenoid valves PPQ 30/2 are flow regulator compensated, normally closed or open, which is controlled by a remote electronic card.
Operating on potentiometer throught electronic card allows to act on proportional solenoid and it's possible to obtain an infinitude of different regulations with great precision and repeatability.
The logic element ELP 30/Q2 allows to maintain the flow constant aven if the pressure changes.
For technical features of electronic control cards see from General Catalogue page n. 10.250.



22 (NC)

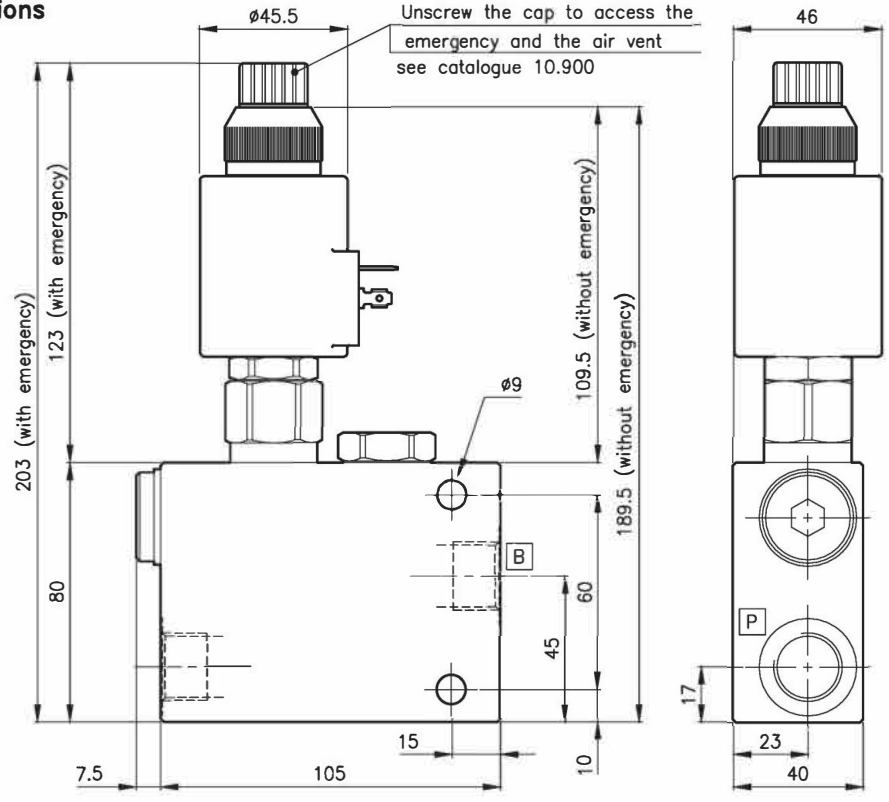


21 (NA)

Valves	(For features see catalogue 16.160)	PSS 30
	(For features see catalogue 11.100)	ELP 30/Q2
Max. flow D type	(l/min.)	0 – 20
Max. flow Q type	(l/min.)	0 – 40
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	−20 +80
Max. leakage	(cm^3/min.)	100
Mass	(kg)	1.550
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	(A)	1.6	0.8
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)	

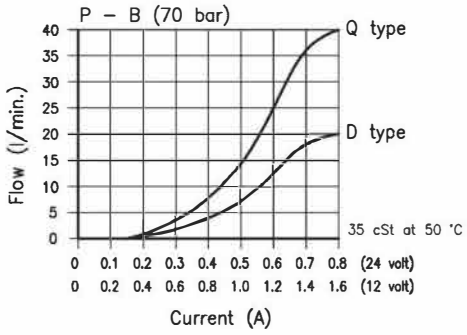
Dimensions



10_1701

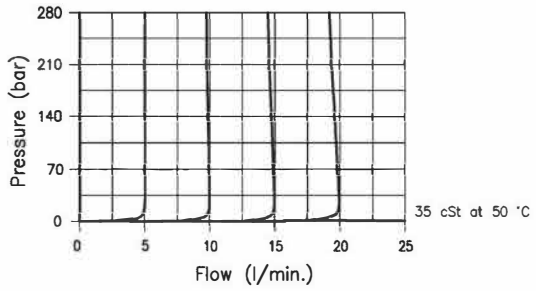
Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

TYPICAL VALVES FEATURE AT VARIOUS OF CONTROL CURRENT

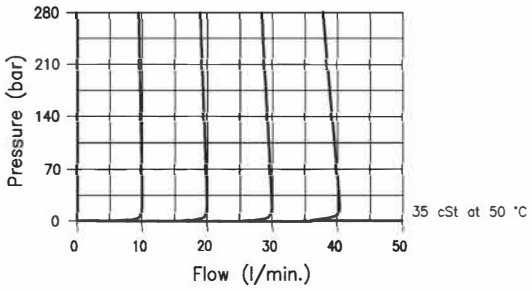


TYPICAL VALVES FEATURE AT VARIOUS OF PRESURE

"D" Version (20 l/min.)



"Q" Version (40 l/min.)



Ordering informations

PPQ 30/22–D–24C–22H–B08–W

PPQ 30 = Valve type

Circuit

22 = Normally closed

21 = Normally open

Flow range

D = 0 – 20 l/min.

Q = 0 – 40 l/min.

Voltage and power

12C–22H = 12 Volt DC

24C–22H = 24 Volt DC

W = Optional without Emergency

Standard ports

B08 G 1/2 ISO 228

Codes:

PPQ 30/22–D–12C–22H–B08	35 011 202
PPQ 30/22–Q–12C–22H–B08	35 011 201
PPQ 30/22–D–24C–22H–B08	35 011 200
PPQ 30/22–Q–24C–22H–B08	35 011 199
PPQ 30/21–D–12C–22H–B08	35 011 251
PPQ 30/21–Q–12C–22H–B08	35 011 252
PPQ 30/21–D–24C–22H–B08	35 011 253
PPQ 30/21–Q–24C–22H–B08	35 011 254

Only body code:

Body type 30–CSL 17–B08	38 144 149

10_1702

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

FLUCOM ITALY

PROPORTIONAL FLOW CONTROL VALVES

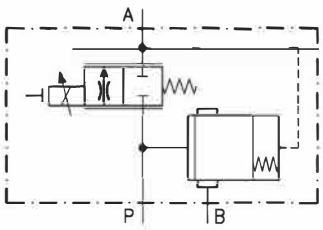
COMPENSATED THREE WAY PRIORITY (BY-PASS) **PPQ 30/3**

10.180

01.19

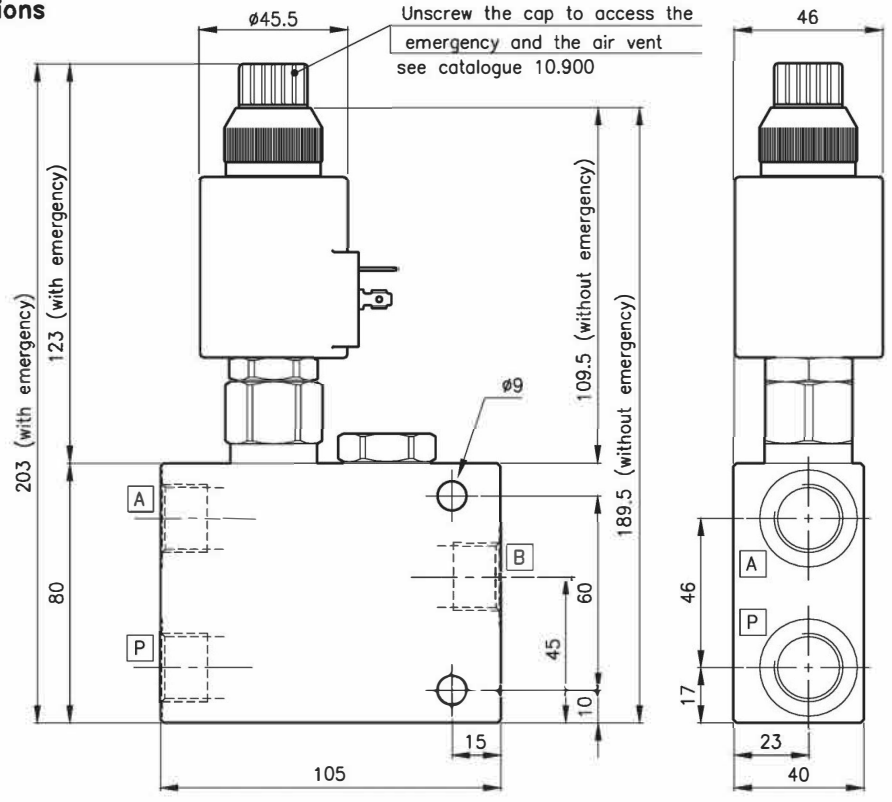
Technical features

Proportional solenoid valves PPQ 30/3 are flow regulator compensated, three way priority By-pass style, which is controlled by a remote electronic card.
While the valve is not energized all the inlet flow is sent to the B port.
Operating on potentiometer throught electronic card allows to act on proportional solenoid and it's possible to obtain an infinitude of different regulations with great precision and repeatability on port A.
The logic element ELP 30/Q1 allows to maintain the flow constant aven if the pressure changes.
For technical features of electronic control cards see from General Catalogue page n. 10.250.



Valves	(For features see catalogue 16.160)	PSS 30/2202	
	(For features see catalogue 11.010)	ELP 30/Q1	
Max. inlet flow	(l/min.)	60	
Max. flow range D type	(l/min.)	0 – 30	
Max. flow range Q type	(l/min.)	0 – 60	
Max. pressure	(bar)	315	
Fluid viscosity range	(cSt)	2.8 – 380	
Fluid temperature range	(°C)	−20 +80	
Max. leakage	(cm^3/min.)	100	
Mass	(kg)	1.500	
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	(A)	1.6	0.8
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)	

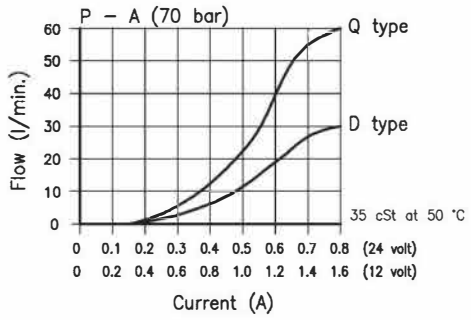
Dimensions



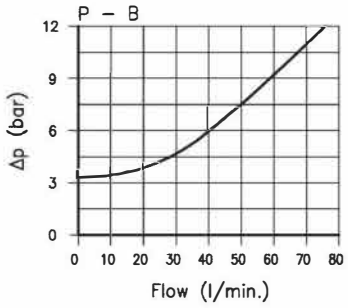
10_1801

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

TYPICAL VALVES FEATURE AT VARIOUS OF CURRENT

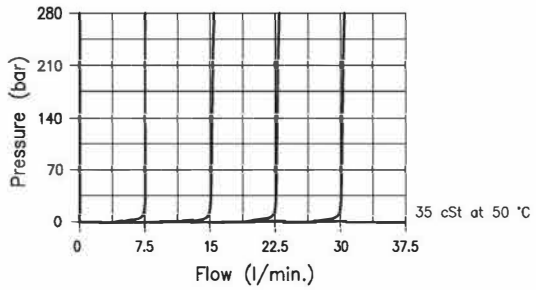


PRESSURE DROP FEATURE BY-PASS P – B

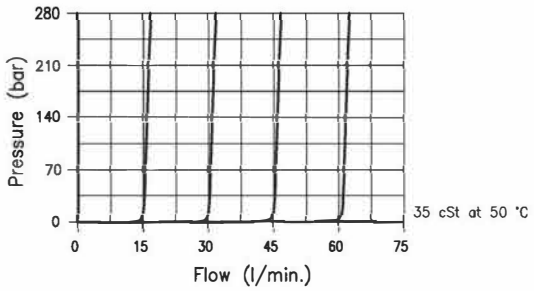


TYPICAL VALVES FEATURE AT VARIOUS OF PRESURE

"D" Version (30 l/min.)



"Q" Version (60 l/min.)



Ordering informations

PPQ 30/3–D–24C–22H–B08–W

PPQ 30 = Valve type

Way number

Flow range

D = 0 – 30 l/min.

Q = 0 – 60 l/min.

Voltage and power

12C–22H = 12 Volt DC

24C–22H = 24 Volt DC

W = Optional without Emergency

Standard ports

B08 G 1/2 ISO 228

Codes:

PPQ 30/3–D–12C–22H–B08	35 011 206
PPQ 30/3–Q–12C–22H–B08	35 011 205
PPQ 30/3–D–24C–22H–B08	35 011 204
PPQ 30/3–Q–24C–22H–B08	35 011 203

Only body code:

Body type 30–CSL 17–B08	38 144 149

10_1802

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

FLUCOM ITALY

PROPORTIONAL FLOW CONTROL VALVES

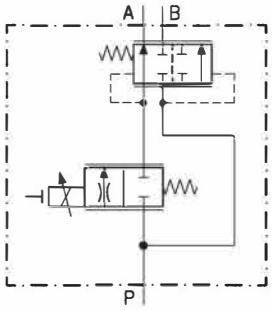
COMPENSATED THREE WAY PRIORITY (BY-PASS) **PPQ 30/3-Q4**

10.185

01.19

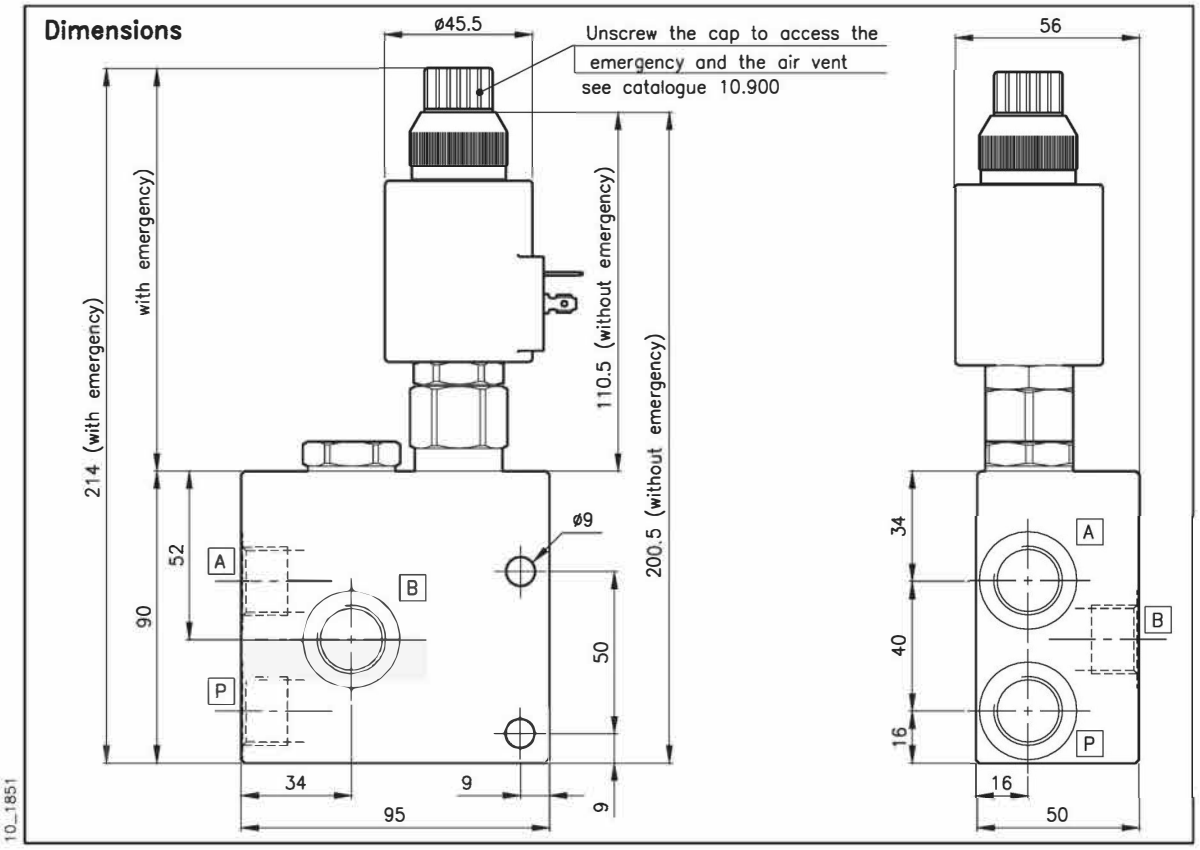
Technical features

Proportional solenoid valves PPQ 30/3-Q4 are flow regulator compensated, three way priority By-pass style, which is controlled by a remote electronic card.
While the valve is not energized all the inlet flow is sent to the B port.
Operating on potentiometer throught electronic card allows to act on proportional solenoid and it's possible to obtain an infinitude of different regulations with great precision and repeatability on port A.
The logic element ELP 30/Q4 allows to maintain the flow constant aven if the pressure changes.
For technical features of electronic control cards see from General Catalogue page n. 10.250.



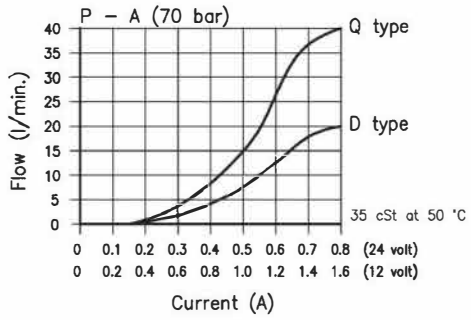
Valves	(For features see catalogue 16.160)	PSS 30/2202	
	(For features see catalogue 11.130)	ELP 30/Q4	
Max. inlet flow	(l/min.)	60	
Max. flow range D type	(l/min.)	0 – 20	
Max. flow range Q type	(l/min.)	0 – 40	
Max. pressure	(bar)	315	
Fluid viscosity range	(cSt)	2.8 – 380	
Fluid temperature range	(°C)	–20 +80	
Max. leakage	(cm^3/min.)	100	
Mass	(kg)	2.000	
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	(A)	1.6	0.8
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

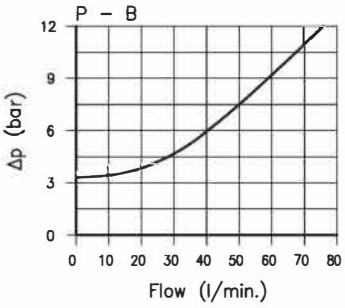


Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

TYPICAL VALVES FEATURE AT VARIOUS OF CURRENT

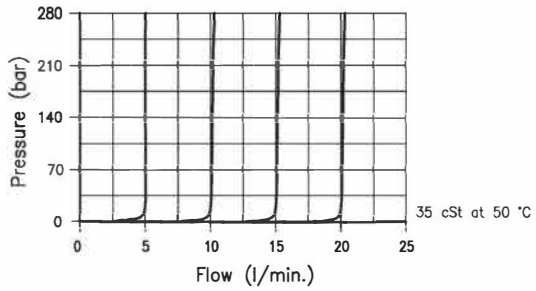


PRESSURE DROP FEATURE BY-PASS P – B

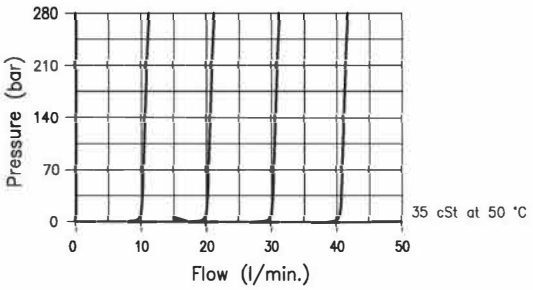


TYPICAL VALVES FEATURE AT VARIOUS OF PRESURE

"D" Version (20 l/min.)



"Q" Version (40 l/min.)



Ordering informations

PPQ 30/3–Q4–D–24C–22H–B08–W

PPQ 30 = Valve type

Way number

Logic element ELP 30/Q4

Flow range

D = 0 – 20 l/min.

Q = 0 – 40 l/min.

Voltage and power

12C–22H = 12 Volt DC

24C–22H = 24 Volt DC

W = Optional without Emergency

Standard ports

B08 G 1/2 ISO 228

Codes:

PPQ 30/3–Q4–D–12C–22H–B08	35 011 259
PPQ 30/3–Q4–Q–12C–22H–B08	35 011 260
PPQ 30/3–Q4–D–24C–22H–B08	35 011 261
PPQ 30/3–Q4–Q–24C–22H–B08	35 011 262

Only body code:

Body type 30–CSL 17/Q4–B08	38 144 142

10_1852

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

FLUCOM ITALY

PROPORTIONAL FLOW CONTROL VALVES

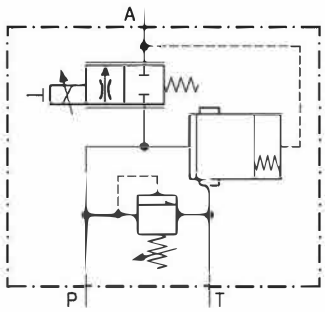
COMPENSATED THREE WAY PRIORITY (BY-PASS + Relief) **PPB 30/3**

10.190

01.19

Technical features

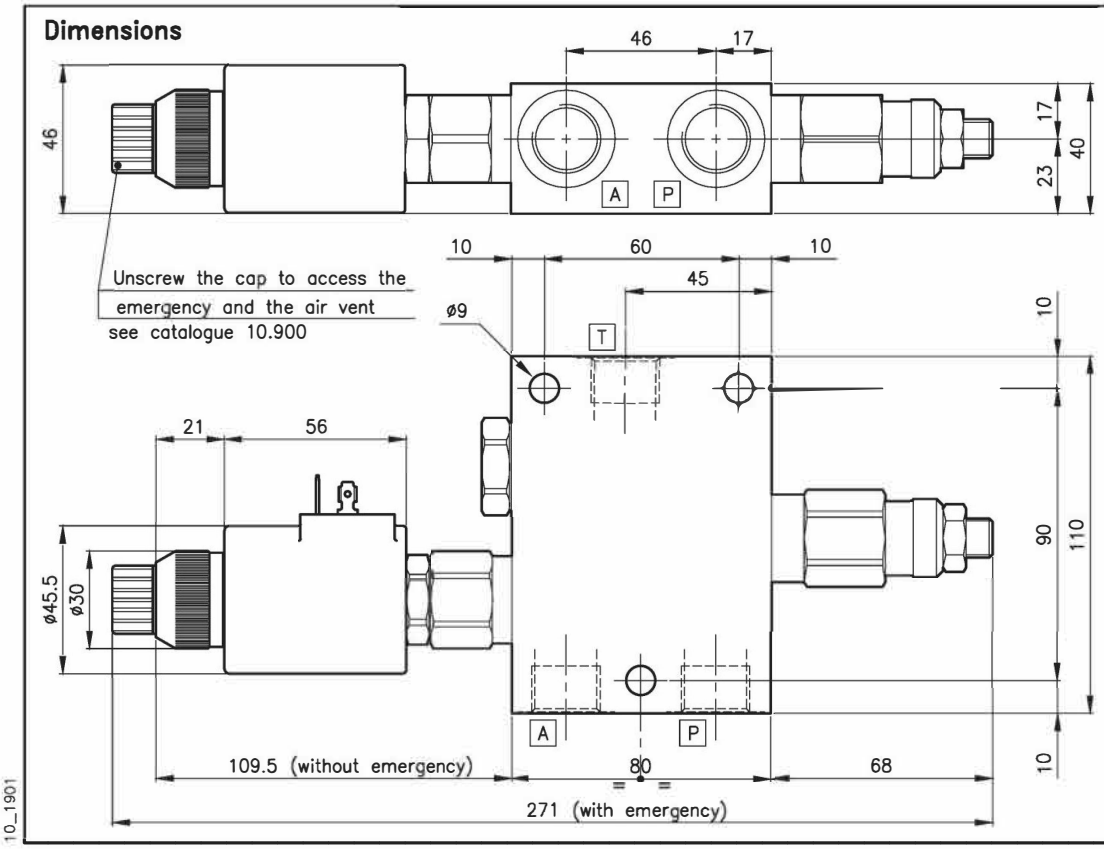
Proportional solenoid valves PPB 30/3 are flow regulator compensated, three way priority By-pass style, which is controlled by a remote electronic card.
While the valve is not energized all the inlet flow is sent to the T port.
Operating on potentiometer throught electronic card allows to act on proportional solenoid and it's possible to obtain an infinitude of different regulations with great precision and repeatability on port A.
The logic element ELP 30/Q1 allows to maintain the flow constant aven if the pressure changes.
PPB 30/3 valves assemble one pressure relief valve LPB 30.
For technical features of electronic control cards see from General Catalogue page n. 10.250.



Valves	(For features see catalogue 16.160)	PSS 30/2202
	(For features see catalogue 11.010)	ELP 30/Q1
	(For features see catalogue 02.090)	LPB 30
Max. inlet flow	(l/min.)	60
Max. flow range D type	(l/min.)	0 – 30
Max. flow range Q type	(l/min.)	0 – 60
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Max. leakage	(cm^3/min.)	100
Mass	(kg)	1.750
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	(A)	1.6 / 0.8
Nominal power	(Watt)	22
Resistance	(Ω)	6.8 / 26
Insulation class	(VDE 0580)	F 155
Rating	(ED%)	100
Protection class	(DIN 40050)	IP 65

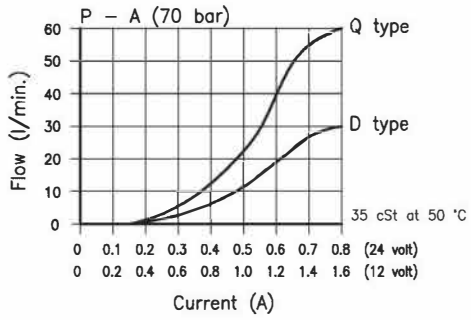
Frequency PWM optimal (dither)	180 (±5Hz)

Dimensions

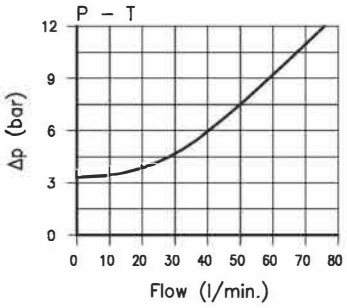


Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

TYPICAL VALVES FEATURE AT VARIOUS OF CURRENT

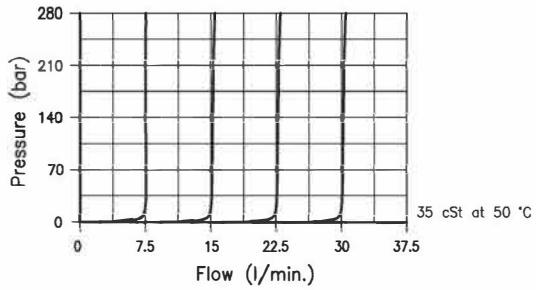


PRESSURE DROP FEATURE BY–PASS P – T

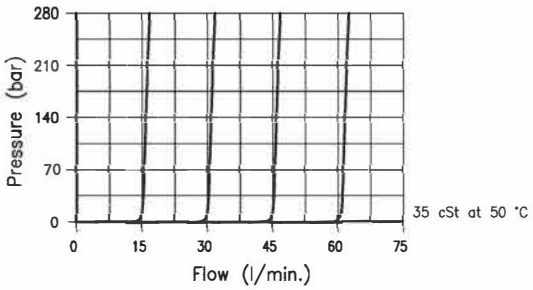


TYPICAL VALVES FEATURE AT VARIOUS OF PRESURE

"D" Version (30 l/min.)



"Q" Version (60 l/min.)



Ordering informations

PPB 30/3–D–24C–22H–U–B08–W

PPB 30 = Valve type

Way number

Flow range
D = 0 – 30 l/min.
Q = 0 – 60 l/min.

Voltage and power
12C–22H = 12 Volt DC
24C–22H = 24 Volt DC

W= Optional without Emergency

Standard ports
B08 G 1/2 ISO 228

Standard springs

Type		Setting range
U	=	10 – 105 bar
D	=	70 – 210 bar
T	=	140 – 350 bar

Only body code:
Body type 30–CSL 17B–B08 38 144 203

10_1902

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

FLUCOM ITALY

PROPORTIONAL FLOW CONTROL VALVES

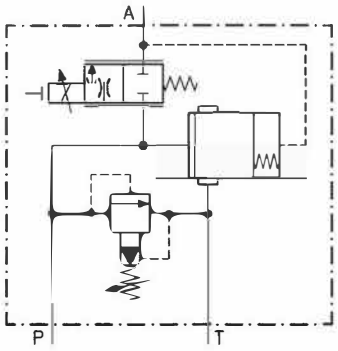
COMPENSATED THREE WAY PRIORITY (BY–PASS + Relief) **PPP 30/3**

10.195

01.19

Technical features

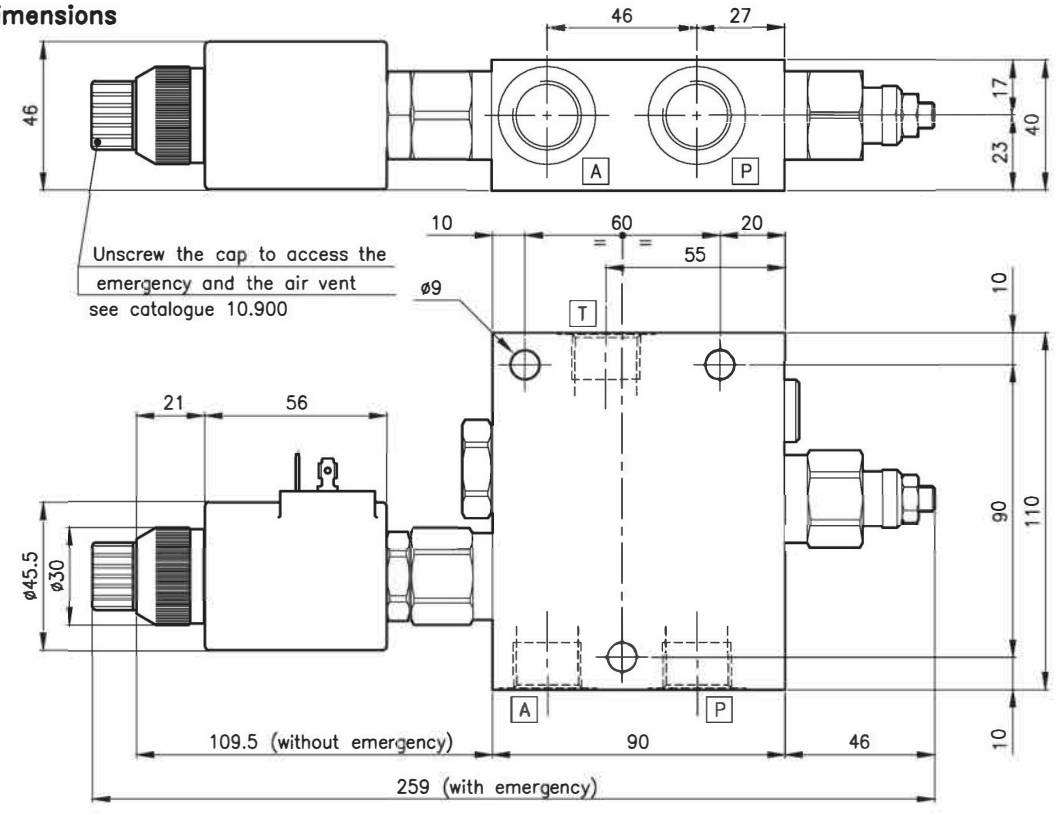
Proportional solenoid valves PPP 30/3 are flow regulator compensated, three way priority By–pass style, which is controlled by a remote electronic card.
While the valve is not energized all the inlet flow is sent to the T port.
Operating on potentiometer throught electronic card allows to act on proportional solenoid and it's possible to obtain an infinitude of different regulations with great precision and repeatability on port A.
The logic element ELP 30/Q1 allows to maintain the flow constant aven if the pressure changes.
PPP 30/3 valves assemble one pressure relief valve LPI 30.
For technical features of electronic control cards see from General Catalogue page n. 10.250.



Valves	(For features see catalogue 16.160)	PSS 30/2202
	(For features see catalogue 11.010)	ELP 30/Q1
	(For features see catalogue 02.120)	LPI 30
Max. inlet flow	(l/min.)	60
Max. flow range D type	(l/min.)	0 – 30
Max. flow range Q type	(l/min.)	0 – 60
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Max. leakage	(cm^3/min.)	100 – 2000
Mass	(kg)	2.000
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	(A)	1.6 / 0.8
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)

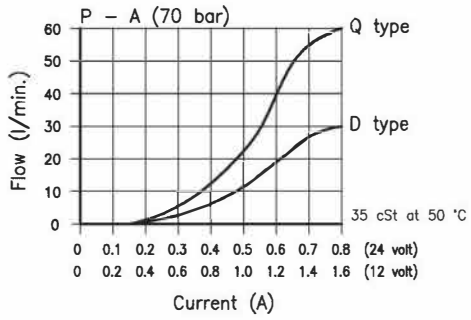
Dimensions



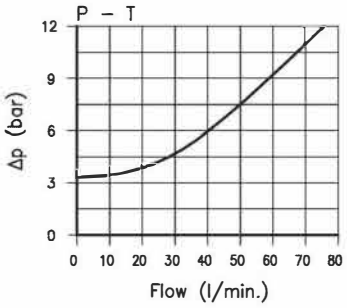
10_1951

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com

TYPICAL VALVES FEATURE AT VARIOUS OF CURRENT

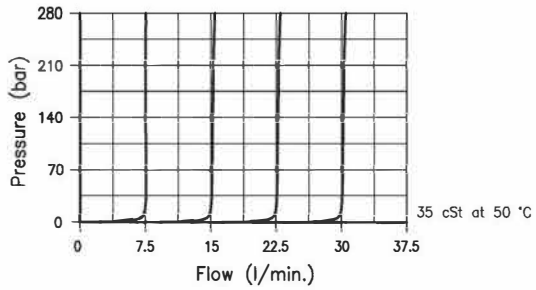


PRESSURE DROP FEATURE BY-PASS P – T

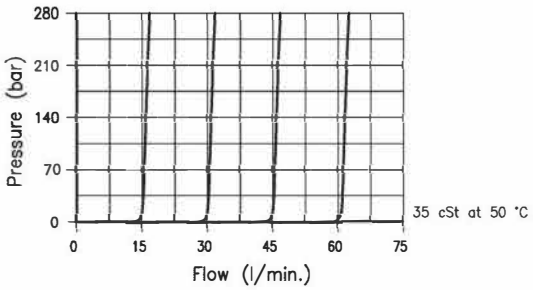


TYPICAL VALVES FEATURE AT VARIOUS OF PRESURE

"D" Version (30 l/min.)



"Q" Version (60 l/min.)



Ordering informations

PPP 30/3-D-12C-22H-D-B08-W

PPP 30 = Valve type

Way number

Flow range
D = 0 – 30 l/min.
Q = 0 – 60 l/min.

Voltage and power
12C-22H = 12 Volt DC
24C-22H = 24 Volt DC

W = Optional without Emergency

Standard ports
B08 G 1/2 ISO 228

Standard springs
Type Setting range
D = 14 – 210 bar
Q = 105 – 420 bar

Only body code:
Body type 30-CSL 17P-B08 38 144 231

10_1952

Hidráulica Rogimar, S.A.
Francesc Layret, 6 Nave 5 .. 08750 - Molins de Rei - Barcelona
+34 93 473 57 70 / info@hidraulicarogimar.com / www.hidraulicarogimar.com