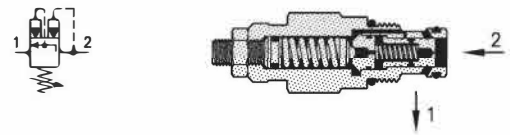
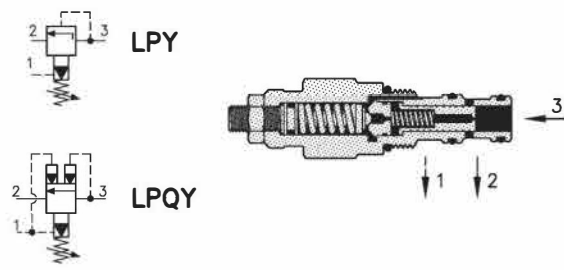


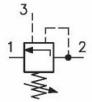
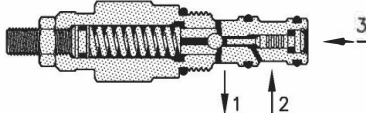
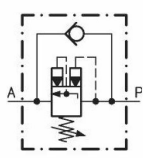
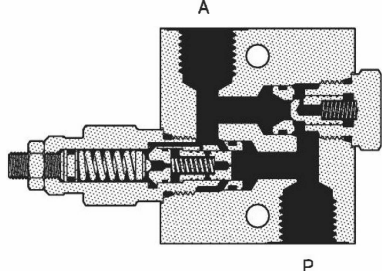
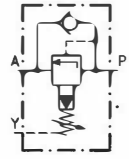
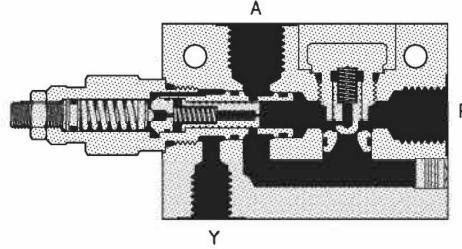
Sequence and unloading valves, secondary-pressure insensitive.

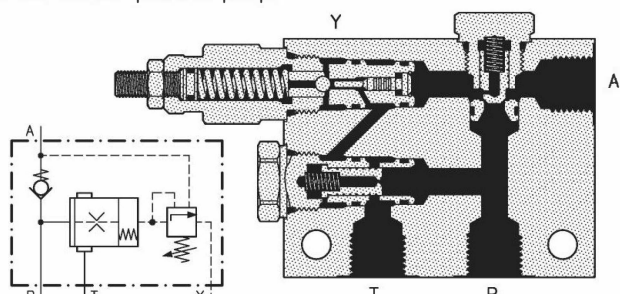
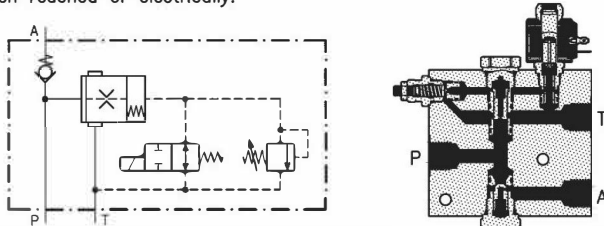
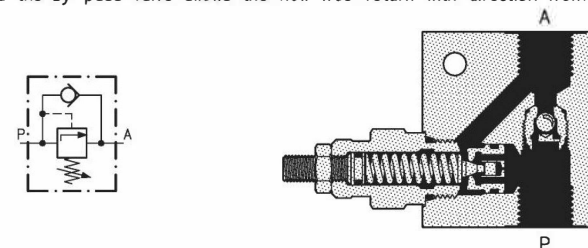
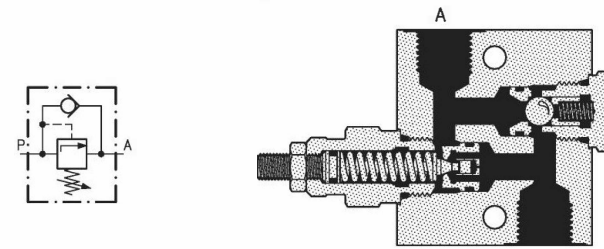
They are manufactured in different models suitable for unloading or sequence functions; the LPQ and LPY types are used in many applications where pressures addition is not allowed.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
LPQ series – pilot operated spool-type. Are used to unload a line under pressure or as sequence valve. At setting pressure achievement the valve opens itself allowing the free passage with a very low pressure drop. The valve closes when pressure falls under a 7 bar value. 	LPQ 30	70	420	04.010
	LPQ 50	160	420	04.020
	LPQ 70	320	420	04.030
VDT ../2202 series – spool-type. Internal pilot sequence valves adjusting through a connected atmospherical pressure spring, indifferent to circuit's pressure. 	VDT 20/2202	20	350	04.032
	VDT 30/2202	40	350	04.034
LPY – LPQY series – pilot operated spool-type. LPY are relief pilot operated valves with external drain. The line 1 (drain), directly connected with return line (T), makes the valve unsensitive to pressure of chamber 2 allowing to maintain the valve's setting and features. More over, at setting pressure achievement, LPQY valve opens itself allowing the free passage with a very low pressure drop. The valve closes when pressure falls under a 7 bar value. 	LPY 30	70	420	04.040
	LPQY 30	70	420	04.042
	LPY 50	160	420	04.050
	LPY 70	320	420	04.060

04_000

04

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
LCS 20 series – direct acting differential. Differential Area Unloading relief valves, are mainly used to charge accumulators or for pump unloading in high-low pressure circuits. They allow the automatic pump's by-pass as the circuit pressure reaches the setting value. The valve closes when this value drops at 88% and pump starts charging the accumulator. The valve LCS 20 series must be combined with logical elements of ELP series : – version ELP .. P1 (hight-low pressure) – version ELP 30/D3-1.23 (accumulators) For advice please ask our technical department.  	LCS 20	1.5	350	04.075
LPQ series CSL 10 circuits. They are used as sequence valves. At reaching the setting value, the valve opens and allows the fluid free-flow passage. When pressure drop under a value lower than 7 bar, the valve closes again. The annexed by-pass valve allows the free-flow in direction from A to P.  	LPQ 30 CSL 10	70	420	04.080
	LPQ 50 CSL 10	160	420	04.090
	LPQ 70 CSL 10	320	420	04.100
LPY series CSL 10 circuits. They are sequence pilot operated valves with external drain. The line Y (drain line) which is directly connected with return line (T), makes the valve indifferent to port A pressure, keeping the setting features unchanged. The annexed by-pass valve allows the free-flow in direction from A to P.  	LPY 30 CSL 10	70	420	04.110
	LPY 50 CSL 10	160	420	04.120
	LPY 70 CSL 10	320	420	04.130

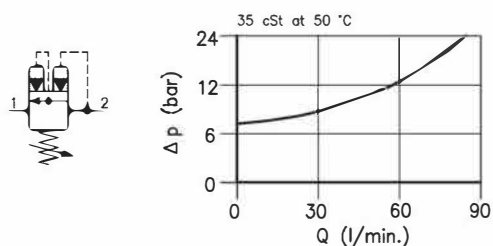
Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
DPA series These valves are used to unloading an pump once a certain pressure has been reached in the main circuit. They are either used an accumulator circuit unload the pump when the accumulator charge pressure has been reached or in a two pump circuit to unload the low pressure pump. 	DPA 30	60	315	04.140
	DPA 50	135	315	04.142
	DPA 70	300	315	04.144
DPE series These valves are used to unloading an pump once a certain pressure has been reached or electrically. 	DPE 30	60	420	04.200
	DPE 50	135	420	04.205
LPS 20/20 – LPA 20 series CSL 10 circuit. They are a simple unexpansive version for high pressure applications. Ideal solution for narrow flows, they have got a very good oiltight with total pressure peak absence. The pressure required from secondary circuit adds to the setting pressure and the by-pass valve allows the flow free-return with direction from A to P. 	LPS 20/20 CSL 10	12	420	04.150
	LPA 20 CSL 10	20	350	04.160
LPA 30 series CSL 10 circuit. The use of valve size 30 makes this series suitable for flows till 50 l/min. This series uses the same body of valve LPQ 30 – CSL 10. 	LPA 30 CSL 10	50	350	04.170

04_002

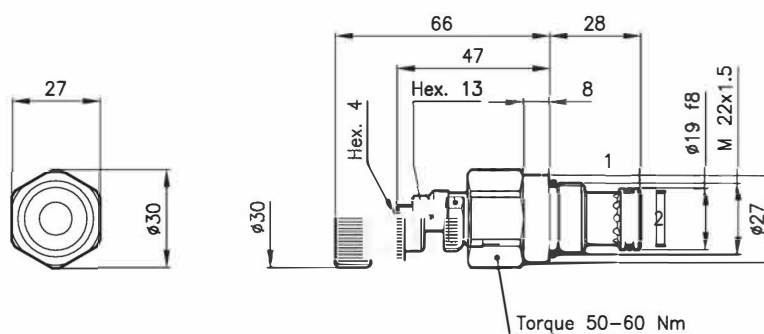
04

Technical features

LPQ 30 valves are used to unload a line under pressure or as sequence valve. At setting pressure achievement the valve opens itself allowing the free passage with a very low pressure drop. The valve closes when pressure falls under a 7 bar value.



Cavity	(For dimensions see catalogue 17.000)	S 30/2
Max. flow	(l/min.)	70
Max. inlet pressure	(bar)	420
Max. pressure on line 1	(bar)	210
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Max. reseal pressure	(bar)	7
Max. leakage	(cm ³ /min.)	25
Mass	(kg)	0.260
Cracking pressure 95% of setting value		
Cracking pressure defined with 1 l/min.		
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		

Dimensions

Ordering informations
LPQ 30/D-N

LPQ 30 = Valve type



Standard springs

Type	Setting range	Factory set
D	= 14 – 210 bar	140 bar
Q	= 105 – 420 bar	315 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment



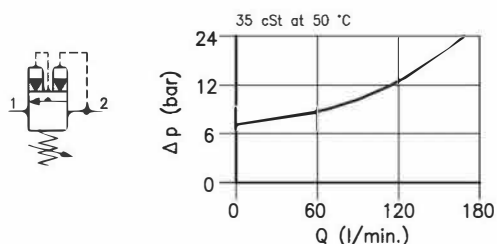
Codes:

LPQ 30/D-N	31 011 125
LPQ 30/Q-N	31 011 126
LPQ 30/D-V	31 011 127
LPQ 30/Q-V	31 011 128
External seals kit	90 620 103

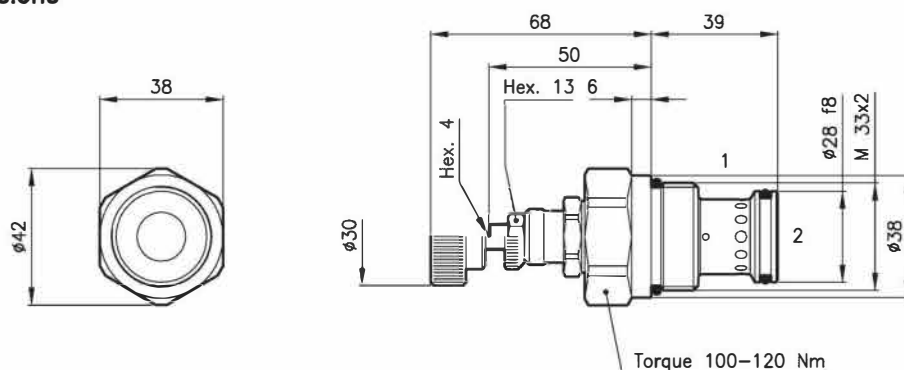
LPQ 30 valves can be assembled on standard bodies 30-L0 series; for dimensions see catalogue 16.010

Technical features

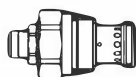
LPQ 50 valves are used to unload a line under pressure or as sequence valve. At setting pressure achievement the valve opens itself allowing the free passage with a very low pressure drop.
The valve closes when pressure falls under a 7 bar value.



Cavity	(For dimensions see catalogue 17.000)	S 50/2
Max. flow	(l/min.)	160
Max. inlet pressure	(bar)	420
Max. pressure on line 1	(bar)	210
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Max. reseal pressure	(bar)	7
Max. leakage	(cm ³ /min.)	25
Mass	(kg)	0.500
Cracking pressure 95% of setting value		
Cracking pressure defined with 1 l/min.		
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		

Dimensions

Ordering informations
LPQ 50/D-N

LPQ 50 = Valve type



Standard springs

Type	Setting range	Factory set
D	= 14 – 210 bar	140 bar
Q	= 105 – 420 bar	315 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment



Codes:

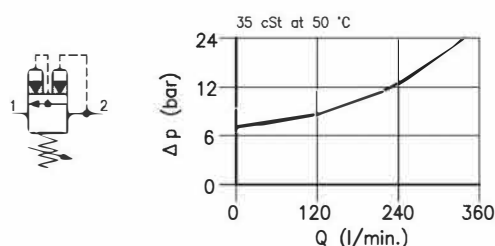
LPQ 50/D-N	51 011 111
LPQ 50/Q-N	51 011 112
LPQ 50/D-V	51 011 113
LPQ 50/Q-V	51 011 114
External seals kit	90 620 106

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

Technical features

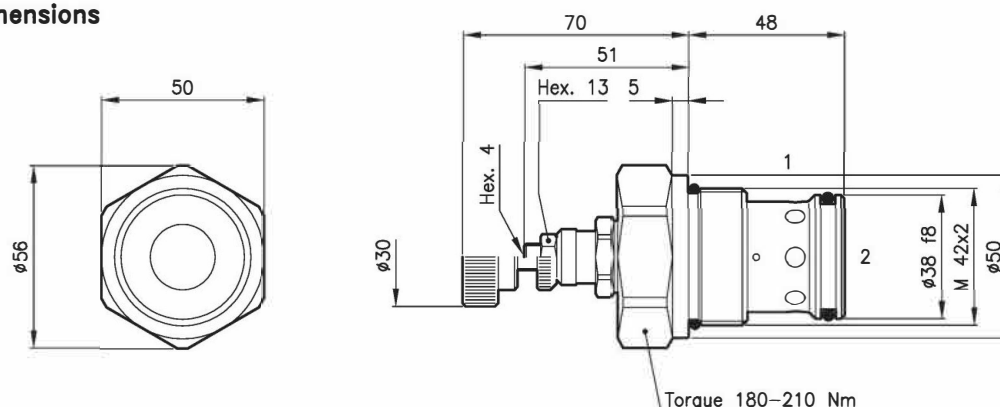
LPQ 70 valves are used to unload a line under pressure or as sequence valve. At setting pressure achievement the valve opens itself allowing the free passage with a very low pressure drop.

The valve closes when pressure falls under a 7 bar value.



Cavity	(For dimensions see catalogue 17.000)	S 70/2
Max. flow	(l/min.)	320
Max. inlet pressure	(bar)	420
Max. pressure on line 1	(bar)	210
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Max. reseal pressure	(bar)	7
Max. leakage	(cm ³ /min.)	50
Mass	(kg)	0.800
Cracking pressure 95% of setting value		
Cracking pressure defined with 1 l/min.		
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		

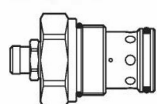
Dimensions



Ordering informations

LPQ 70/D-N

LPQ 70 = Valve type



Standard springs

Type	Setting range	Factory set
D	14 – 210 bar	140 bar
Q	105 – 420 bar	315 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

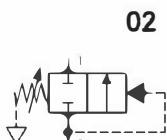


Codes:

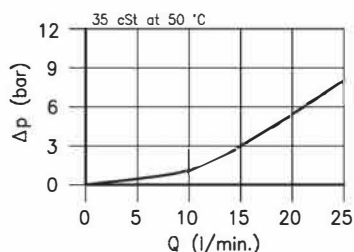
LPQ 70/D-N	71 011 110
LPQ 70/Q-N	71 011 111
LPQ 70/D-V	71 011 112
LPQ 70/Q-V	71 011 113
External seals kit	90 620 109

LPQ 70 valves can be assembled on standard bodies 70-L0 series; for dimensions see catalogue 16.010

Technical features

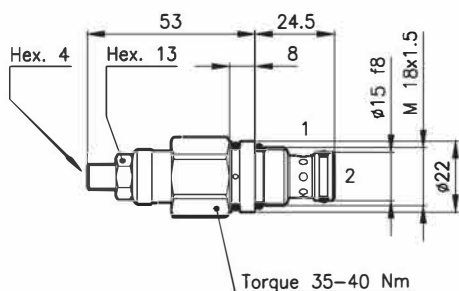


02



Cavity	(For dimensions see catalogue 17.000)	S 20/2
Nominal flow	(l/min.)	20
Max. pressure	(bar)	350
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.160
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		

Dimensions



Ordering informations

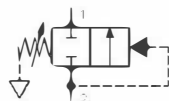
VDT 20/2202-D-N

VDT 20 = Valve type



Circuits

2202 =



Standard springs

Type	Setting range
U	= 5 – 30 bar
D	= 14 – 60 bar
T	= 35 – 90 bar
Q	= 50 – 140 bar

Adjustment type

N = Standard adjustment



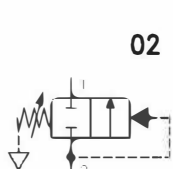
Codes:

VDT 20/2202-U-N	22 011 189
VDT 20/2202-D-N	22 011 190
VDT 20/2202-T-N	22 011 191
VDT 20/2202-Q-N	22 011 192

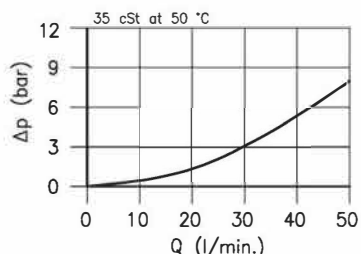
External seals kit 90 620 100

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

Technical features

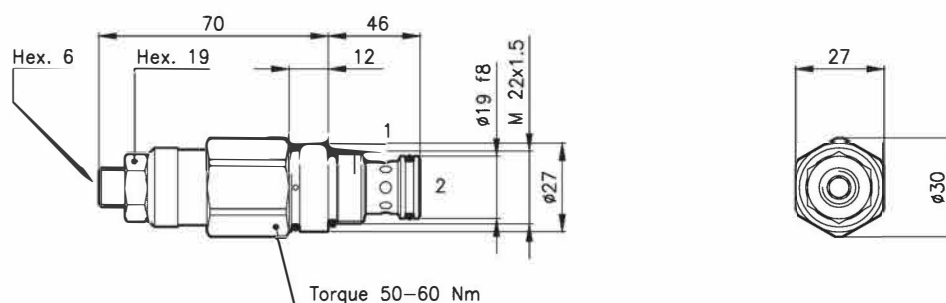


02



Cavity	(For dimensions see catalogue 17.000)	S 30/2
Nominal flow	(l /min.)	40
Max. pressure	(bar)	350
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.280
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		

Dimensions



Ordering informations

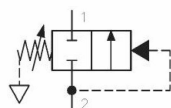
VDT 30/2202-0-N

VDT 30 = Valve type



Circuits

2202 =



Standard springs

Type Setting range

0 = 30 - 120 bar

Q = 70 - 210 bar

Adjustment type

N = Standard adjustment



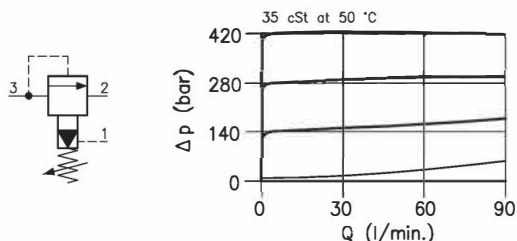
Codes:

VDT 30/2202-0-N 32 011 162

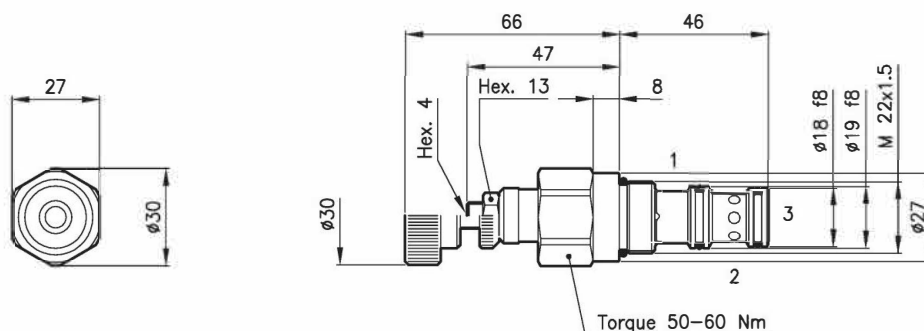
VDT 30/2202-Q-N 32 011 172

External seals kit 90 620 103

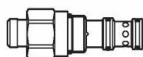
VDT 30 valves can be assembled on standard bodies 30-L0 series; for dimensions see catalogue 16.010

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. flow	(l/min.)	70
Max. inlet pressure	(bar)	420
Max. pressure on line 2	(bar)	420
Max. drain on line 1	(l/min.)	1.2
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.200
Standard setting obtained with 10 l/min.		
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		

Dimensions

Ordering informations
LPY 30/D-N

LPY 30 = Valve type



Standard springs

Type	Setting range	Factory set
D	10 - 210 bar	140 bar
Q	105 - 420 bar	315 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

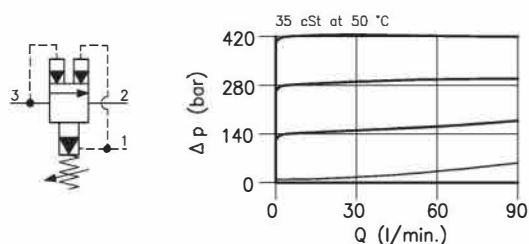

Codes:

LPY 30/D-N	31 011 130
LPY 30/Q-N	31 011 131
LPY 30/D-V	31 011 132
LPY 30/Q-V	31 011 133
External seals kit	90 620 104

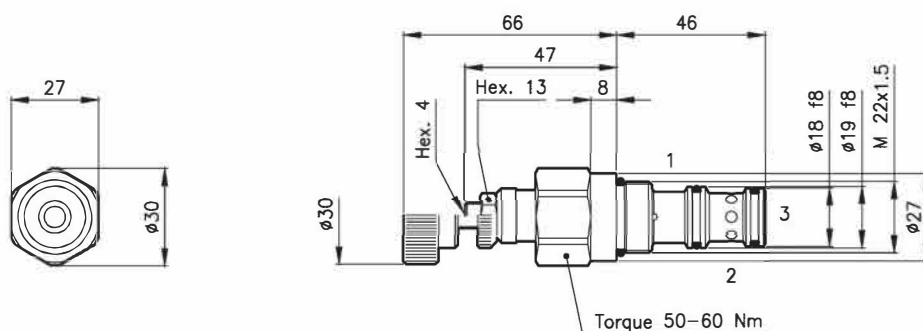
LPY 30 valves can be assembled on standard bodies 30-C3 series; for dimensions see catalogue 16.010

Technical features

LPQY 30 valves are used to unload a line under pressure or as sequence valve. At setting pressure achievement the valve opens itself allowing the free passage with a very low pressure drop. The valve closes when pressure falls under a 7 bar value.



Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. flow	(l/min.)	70
Max. inlet pressure	(bar)	420
Max. pressure on line 2	(bar)	420
Max. drain on line 1	(l/min.)	1.2
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Max. reseal pressure	(bar)	7
Max. leakage	(cm ³ /min.)	25
Mass	(kg)	0.260
Standard setting obtained with 10 l/min.		
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		

Dimensions

Ordering informations
LPQY 30/D-N

LPQY 30 = Valve type



Standard springs

Type	Setting range	Factory set
D	14 – 210 bar	140 bar
Q	109 – 420 bar	315 bar

Adjustment type

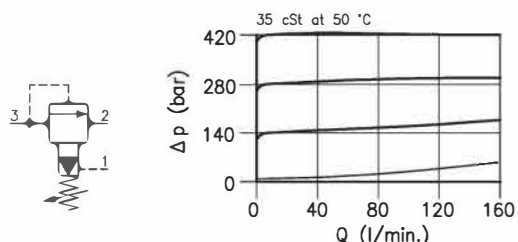
- N** = Standard adjustment
V = Handknob adjustment



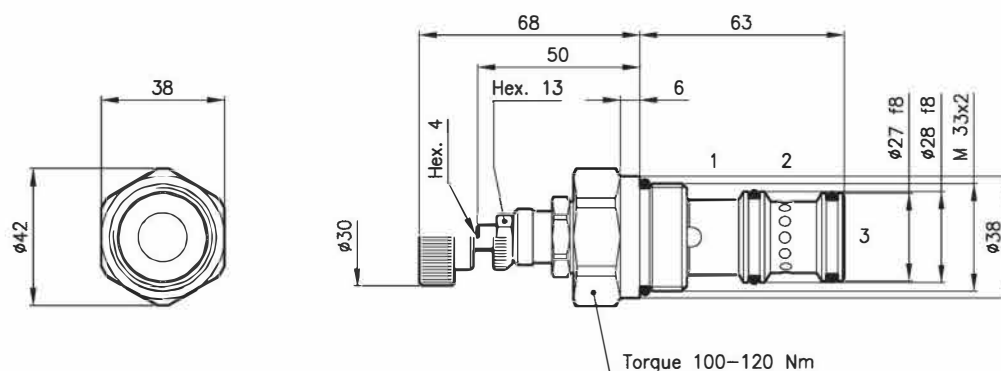
Codes:

LPQY 30/D-N	31 011 312
LPQY 30/Q-N	31 011 313
LPQY 30/D-V	31 011 314
LPQY 30/Q-V	31 011 315
External seals kit	90 620 104

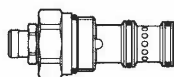
LPQY 30 valves can be assembled on standard bodies 30–C3 series; for dimensions see catalogue 16.010

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 50/3
Max. flow	(l/min.)	160
Max. inlet pressure	(bar)	420
Max. pressure on line 2	(bar)	420
Max. drain on line 1	(l/min.)	1.2
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.400
Standard setting obtained with 10 l/min.		
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		

Dimensions

Ordering informations
LPY 50/D-N

LPY 50 = Valve type



Standard springs

Type	Setting range	Factory set
D	10 - 210 bar	140 bar
Q	105 - 420 bar	315 bar

Adjustment type

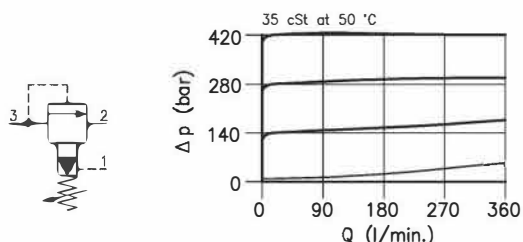
N = Standard adjustment

V = Handknob adjustment

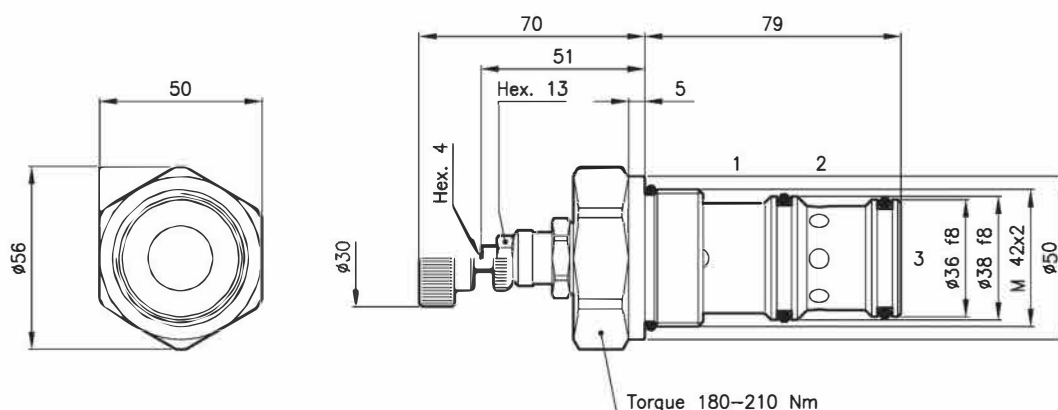

Codes:

LPY 50/D-N	51 011 115
LPY 50/Q-N	51 011 116
LPY 50/D-V	51 011 117
LPY 50/Q-V	51 011 118
External seals kit	90 620 107

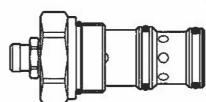
LPY 50 valves can be assembled on standard bodies 50-C3 series; for dimensions see catalogue 16.010

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 70/3
Max. flow	(l/min.)	320
Max. inlet pressure	(bar)	420
Max. pressure on line 2	(bar)	350
Max. drain on line 1	(l/min.)	1.2
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Mass	(kg)	0.700
Standard setting obtained with 10 l/min.		
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		

Dimensions

Ordering informations
LPY 70/D-N

LPY 70 = Valve type



Standard springs

Type	Setting range	Factory set
D	10 – 210 bar	140 bar
Q	105 – 420 bar	315 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment


Codes:

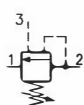
LPY 70/D-N	71 011 114
LPY 70/Q-N	71 011 115
LPY 70/D-V	71 011 116
LPY 70/Q-V	71 011 117
External seals kit	90 620 120

LPY 70 valves can be assembled on standard bodies 70-C3 series; for dimensions see catalogue 16.010

Technical features

LCS 20 valve are mainly used to charge accumulators or for pump unloading in high-low pressure circuits. They allow the automatic pump's by-pass as the circuit pressure reaches the setting value. The valve closes when this value drops at 88% and pump starts charging the accumulator. LCS 20 valve also act as pressure relieving on main circuit and always must be combined with logical elements:

- version ELP .. P1 (high-low pressure)
- version ELP 30/D3-1.23 (accumulators)



Calculation of Pr value

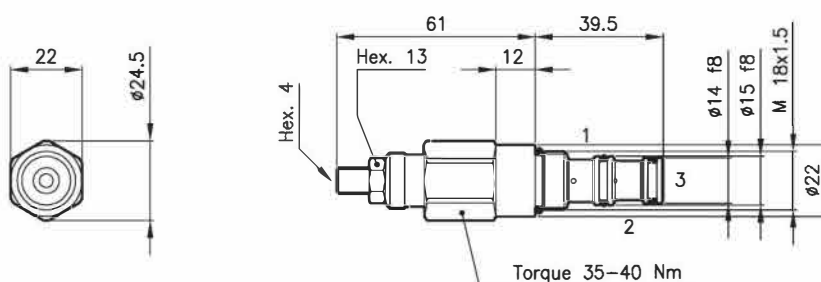
$$Pr = \frac{P \cdot d}{100}$$

Where:

- Pr = Reset pressure (bar)
P = Setting pressure (bar)
d = Differential area

Cavity	(For dimensions see catalogue 17.000)	S 20/3
Max. flow	(l/min.)	1.5
Max. pressure	(bar)	350
Adjustment range	(bar)	10 - 315
Differential area (d)	%	88 ± 1.5%
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.160
Standard setting obtained with 1 l/min.		
Hydraulic flow; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 µ absolutes)		
Standard seals in Polyurethane and Buna N		

Dimensions



Ordering informations

LCS 20/D-N

LCS 20 = Valve type



Standard springs

Type	Setting range	Factory set
D	10 - 210 bar	140 bar
Q	70 - 315 bar	210 bar

Adjustment type

N = Standard adjustment



Codes:

LCS 20/D-N	21 011 268
LCS 20/Q-N	21 011 269
External seals kit	90 620 101

LCS 20 valves can be assembled on standard bodies 20-C3 series; for dimensions see catalogue 16.010

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SEQUENCE VALVES

SEQUENCE WITH BY-PASS

LPQ 30/CSL 10

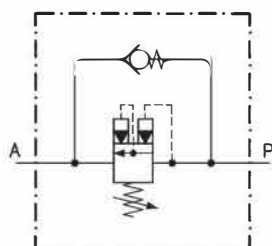
04.080

01.96

Technical features

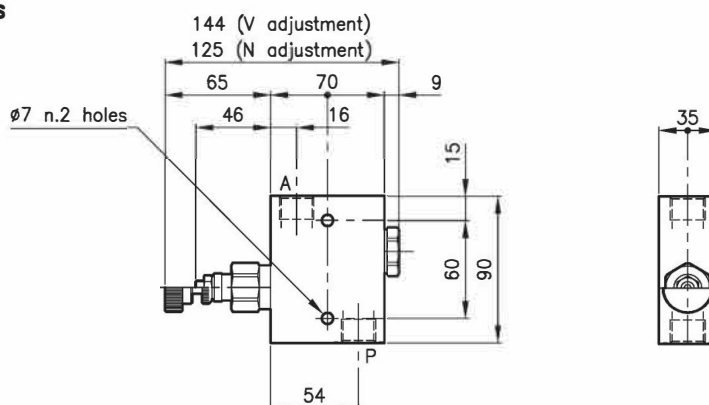
They are used to unload a line under pressure or as sequence valve.

At setting pressure achievement the valve opens itself allowing the fluid free-flow passage. When pressure drop under a value lower than 7 bar, the valve closes again. The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 04.010)	LPQ 30
	(For features see catalogue 05.060)	CAE 30/P
Max. flow	(l/min.)	70
Max. pressure in P	(bar)	420
Max. pressure on A	(bar)	350
Max. reseal pressure	(bar)	7
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.980
Cracking pressure 95% of setting value		
Cracking pressure defined with 1 l/min.		
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		

Dimensions



Ordering informations

LPQ 30/D-N-C SL 10-B08

Valve type

Standard springs

Type Setting range

D = 14 – 210 bar

Q = 105 – 420 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Codes:

LPQ 30/D-N-CSL 10-B06 31 011 151

LPQ 30/Q-N-CSL 10-B06 31 011 152

LPQ 30/D-V-CSL 10-B06 31 011 153

LPQ 30/Q-V-CSL 10-B06 31 011 154

LPQ 30/D-N-CSL 10-B08 31 011 155

LPQ 30/Q-N-CSL 10-B08 31 011 156

LPQ 30/D-V-CSL 10-B08 31 011 157

LPQ 30/Q-V-CSL 10-B08 31 011 158

Only body codes:

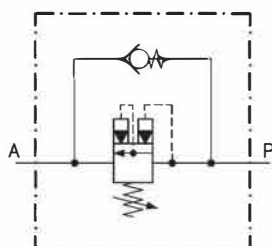
Body type 30-CSL 10-B06 38 144 127

Body type 30-CSL 10-B08 38 144 128

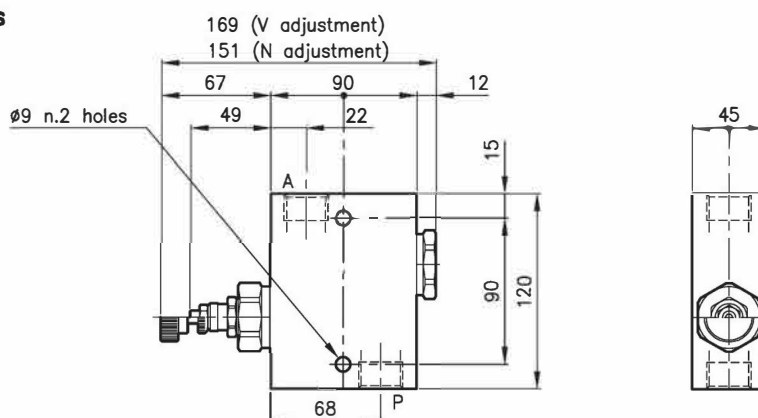
Technical features

They are used to unload a line under pressure or as sequence valve.

At setting pressure achievement the valve opens itself allowing the fluid free-flow passage. When pressure drop under a value lower than 7 bar, the valve closes again. The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 04.020)	LPQ 50
	(For features see catalogue 05.070)	CAE 50/P
Max. flow	(l/min.)	160
Max. pressure in P	(bar)	420
Max. pressure on A	(bar)	350
Max. reseal pressure	(bar)	7
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	2.090
Cracking pressure 95% of setting value		
Cracking pressure defined with 1 l/min.		
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		

Dimensions

Ordering informations
LPQ 50/D-N-CSL 10-B12

Valve type _____

Standard springs

Type Setting range

D = 14 – 210 bar

Q = 105 – 420 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version _____



Standard ports

B08 = G 1/2 ISO 228

B12 = G 3/4 ISO 228

Codes:

LPQ 50/D-N-CSL 10-B08	51 011 128
LPQ 50/Q-N-CSL 10-B08	51 011 129
LPQ 50/D-V-CSL 10-B08	51 011 130
LPQ 50/Q-V-CSL 10-B08	51 011 131
LPQ 50/D-N-CSL 10-B12	51 011 132
LPQ 50/Q-N-CSL 10-B12	51 011 133
LPQ 50/D-V-CSL 10-B12	51 011 134
LPQ 50/Q-V-CSL 10-B12	51 011 135

Only body codes:

Body type 50-CSL 10-B08	58 144 119
Body type 50-CSL 10-B12	58 144 120

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SEQUENCE VALVES

SEQUENCE WITH BY-PASS

LPQ 70/CSL 10

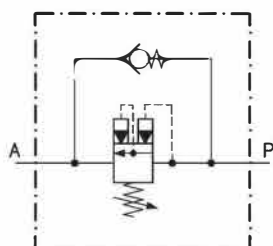
04.100

01.96

Technical features

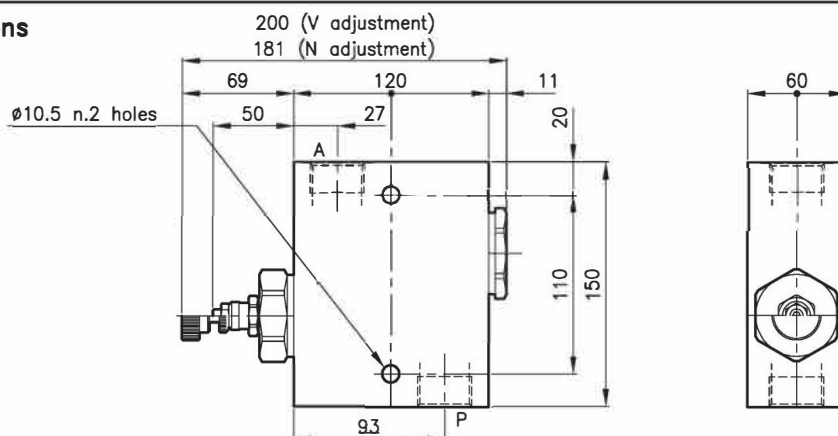
They are used to unload a line under pressure or as sequence valve.

At setting pressure achievement the valve opens itself allowing the fluid free-flow passage. When pressure drop under a value lower than 7 bar, the valve closes again. The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 04.030)	LPQ 70
	(For features see catalogue 05.080)	CAE 70/P
Max. flow	(l/min.)	320
Max. pressure in P	(bar)	420
Max. pressure on A	(bar)	350
Max. reseal pressure	(bar)	7
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	4.300
Cracking pressure 95% of setting value		
Cracking pressure defined with 1 l/min.		
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		

Dimensions



Ordering informations

LPQ 70/D-N-C SL 10-B20

Valve type _____
Standard springs _____
Type Setting value
D = 14 - 210 bar
Q = 105 - 420 bar
Adjustment type
N = Standard adjustment
V = Handknob adjustment

Version _____
Standard ports
B16 = G 1 ISO 228
B20 = G 1.1/4 ISO 228

Codes:

LPQ 70/D-N-CSL 10-B16	71 011 130
LPQ 70/Q-N-CSL 10-B16	71 011 131
LPQ 70/D-V-CSL 10-B16	71 011 132
LPQ 70/Q-V-CSL 10-B16	71 011 133
LPQ 70/D-N-CSL 10-B20	71 011 134
LPQ 70/Q-N-CSL 10-B20	71 011 135
LPQ 70/D-V-CSL 10-B20	71 011 136
LPQ 70/Q-V-CSL 10-B20	71 011 137

Only body codes:

Body type 70-CSL 10-B16	78 144 110
Body type 70-CSL 10-B20	78 144 111

04_100

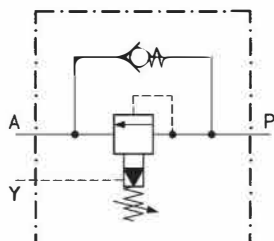
Hidráulica Rogimar, S.A.

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

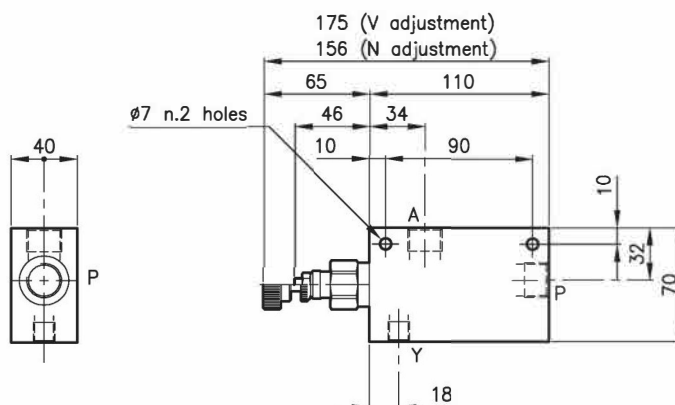
Technical features

The line Y (drain line directly connected with the tank) makes the valve indifferent to port A pressure, keeping the setting features unchanged.

The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 04.040)	LPY 30
	(For features see catalogue 05.060)	CAE 30/P
Max. flow	(l/min.)	70
Max. pressure in P	(bar)	420
Max. pressure on A	(bar)	350
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.990
Standard setting obtained with 10 l/min.		
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		

Dimensions

Ordering informations
LPY 30/D-N-CSL 10-B08

Valve type

Standard springs

Type Setting range

D = 10 – 210 bar

Q = 105 – 420 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Codes:

LPY 30/D-N-CSL 10-B06 31 011 159

LPY 30/Q-N-CSL 10-B06 31 011 160

LPY 30/D-V-CSL 10-B06 31 011 161

LPY 30/Q-V-CSL 10-B06 31 011 162

LPY 30/D-N-CSL 10-B08 31 011 163

LPY 30/Q-N-CSL 10-B08 31 011 164

LPY 30/D-V-CSL 10-B08 31 011 165

LPY 30/Q-V-CSL 10-B08 31 011 166

Only body codes:

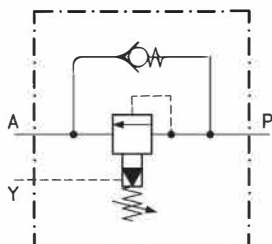
Body type 30-CSL 10Y-B06 38 144 129

Body type 30-CSL 10Y-B08 38 144 130

Technical features

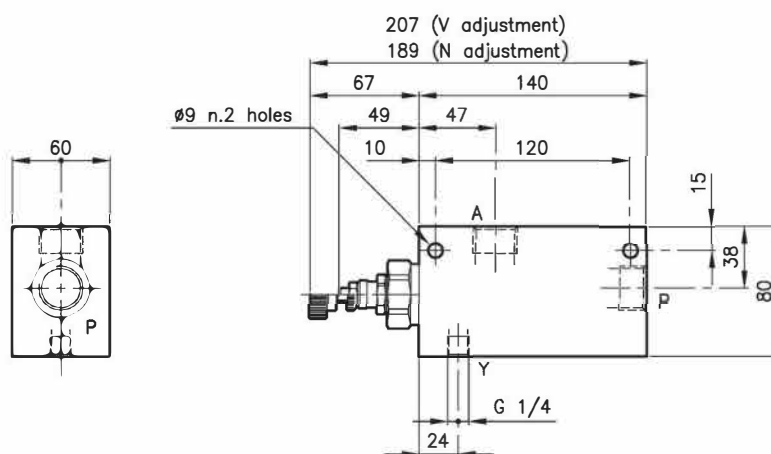
The line Y (drain line directly connected with the tank) makes the valve indifferent to port A pressure, keeping the setting features unchanged.

The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 04.050)	LPY 50
	(For features see catalogue 05.070)	CAE 50/P
Max. flow	(l/min.)	160
Max. pressure in P	(bar)	420
Max. pressure on A	(bar)	350
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	2.500
Standard setting obtained with 10 l/min.		
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		

Dimensions



Ordering informations

LPY 50/D-N-CSL 10-B12

Valve type

Standard springs

Type Setting range

D = 10 - 210 bar

Q = 105 - 420 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version

Standard ports

B08 = G 1/2 ISO 228

B12 = G 3/4 ISO 228

Codes:

LPY 50/D-N-CSL 10-B08 51 011 136

LPY 50/Q-N-CSL 10-B08 51 011 137

LPY 50/D-V-CSL 10-B08 51 011 138

LPY 50/Q-V-CSL 10-B08 51 011 139

LPY 50/D-N-CSL 10-B12 51 011 140

LPY 50/Q-N-CSL 10-B12 51 011 141

LPY 50/D-V-CSL 10-B12 51 011 142

LPY 50/Q-V-CSL 10-B12 51 011 143

Only body codes:

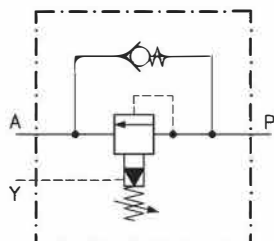
Body type 50-CSL 10Y-B08 58 144 121

Body type 50-CSL 10Y-B12 58 144 122

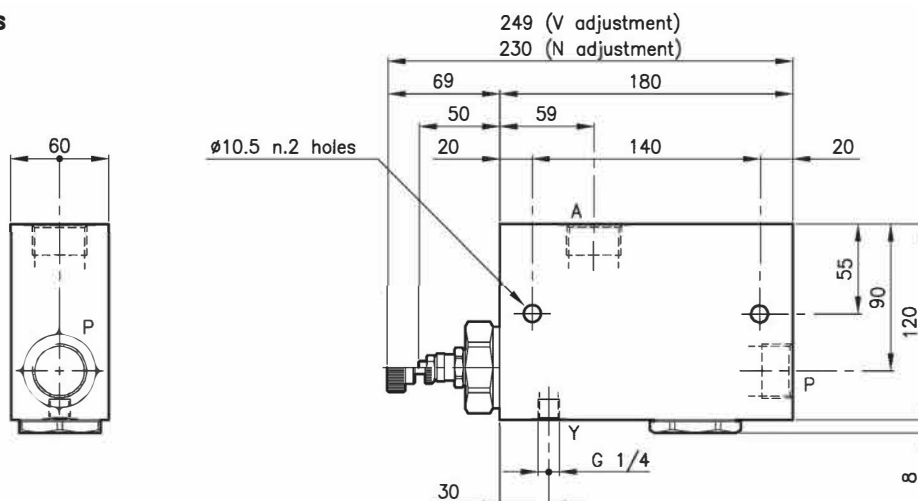
Technical features

The line Y (drain line directly connected with the tank) makes the valve indifferent to port A pressure, keeping the setting features unchanged.

The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 04.060)	LPY 70
	(For features see catalogue 05.080)	CAE 70/P
Max. flow	(l/min.)	320
Max. pressure in P	(bar)	420
Max. pressure on A	(bar)	350
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	4.800
Standard setting obtained with 10 l/min.		
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 µm absolutes)		
Standard seals in Polyurethane and Buna N		

Dimensions

Ordering informations
LPY 70/D-N-CSL 10-B20

Valve type _____

Standard springs _____

Type Setting range

D = 10 - 210 bar

Q = 105 - 420 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version _____



Standard ports

B16 = G 1 ISO 228

B20 = G 1.1/4 ISO 228

Codes:

LPY 70/D-N-CSL 10-B16	71 011 138
LPY 70/Q-N-CSL 10-B16	71 011 139
LPY 70/D-V-CSL 10-B16	71 011 140
LPY 70/Q-V-CSL 10-B16	71 011 141
LPY 70/D-N-CSL 10-B20	71 011 142
LPY 70/Q-N-CSL 10-B20	71 011 143
LPY 70/D-V-CSL 10-B20	71 011 144
LPY 70/Q-V-CSL 10-B20	71 011 145

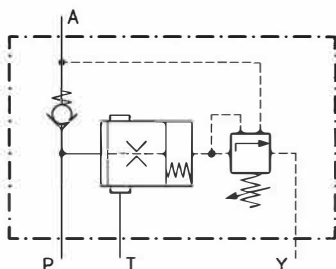
Only body codes:

Body type 70-CSL 10Y-B16	78 144 112
Body type 70-CSL 10Y-B20	78 144 113

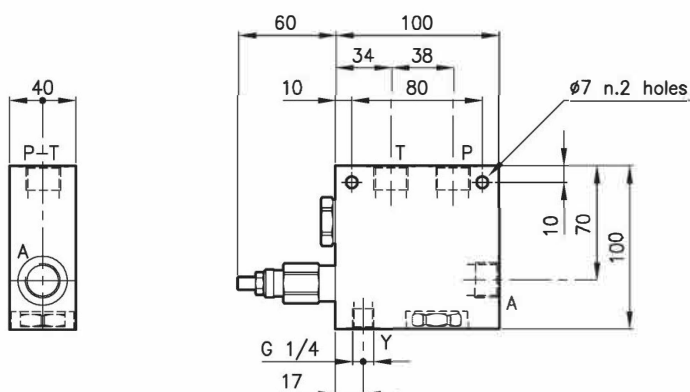
Technical features

They are used to unload a pump once a certain pressure has been reached in the main circuit.

They are either used on accumulator circuit to unload the pump when the accumulator charge pressure has been reached or in a two pump circuit to unload the low pressure pump.



Valves	(For features see catalogue 04.075)	LCS 20
	(For features see catalogue 11.010)	ELP 30/P1
	(For features see catalogue 05.060)	CAE 30/P
Max. flow	(l/min.)	60
Max. pressure in P	(bar)	315
Max. pressure on A	(bar)	420
Differential area	%	88 ± 1.5 %
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	1.500
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 µm absolutes)		
Standard seals in Polyurethane and Buna N		

Dimensions

Ordering informations
DPA 30/D-N-B08

Valve type

Standard springs (LCS 20)

Type Setting range

D = 10 - 210 bar

Q = 70 - 315 bar

Adjustment type

N = Standard adjustment

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Codes:

DPA 30/D-N-B06 31 011 231

DPA 30/Q-N-B06 31 011 232

DPA 30/D-N-B08 31 011 234

DPA 30/Q-N-B08 31 011 235

Only body codes:

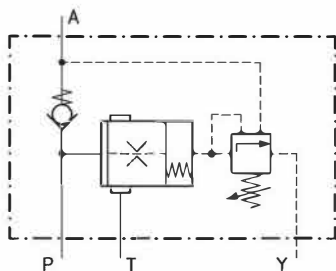
Body type 30-DPA-B06 38 144 178

Body type 30-DPA-B08 38 144 179

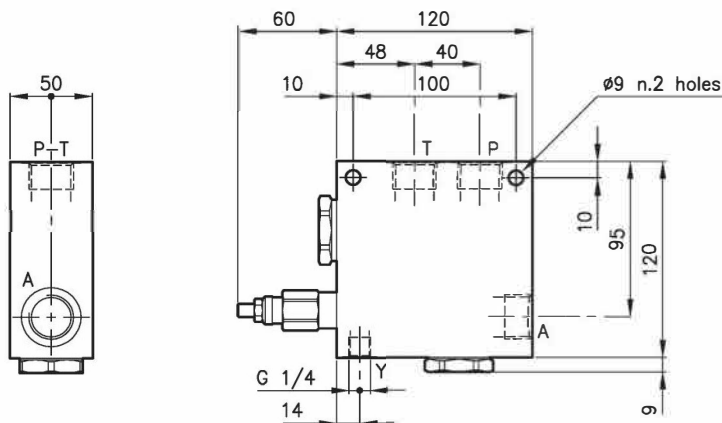
Technical features

They are used to unload a pump once a certain pressure has been reached in the main circuit.

They are either used on accumulator circuit to unload the pump when the accumulator charge pressure has been reached or in a two pump circuit to unload the low pressure pump.



Valves	(For features see catalogue 04.075)	LCS 20
	(For features see catalogue 11.020)	ELP 50/P1
	(For features see catalogue 05.070)	CAE 50/P
Max. flow	(l/min.)	135
Max. pressure in P	(bar)	315
Max. pressure on A	(bar)	420
Differential area	%	88 ± 1.5 %
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	2.650
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		

Dimensions

Ordering informations
DPA 50/D-N-B12

Valve type

Standard springs (LCS 20)

Type Setting range

D = 10 - 210 bar

Q = 70 - 315 bar

Adjustment type

N = Standard adjustment

Standard ports

B08 = G 1/2 ISO 228

B12 = G 3/4 ISO 228

Codes:

DPA 50/D-N-B08 51 011 153

DPA 50/Q-N-B08 51 011 154

DPA 50/D-N-B12 51 011 156

DPA 50/Q-N-B12 51 011 157

Only body codes:

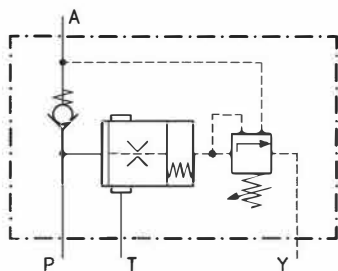
Body type 50-DPA-B08 58 144 136

Body type 50-DPA-B12 58 144 137

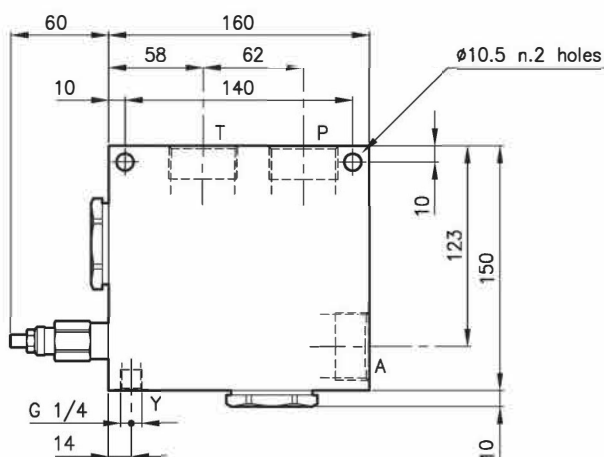
Technical features

They are used to unload a pump once a certain pressure has been reached in the main circuit.

They are either used on accumulator circuit unload the pump when the accumulator charge pressure has been reached or in a two pump circuit to unload the low pressure pump.



Valves	(For features see catalogue 04.075)	LCS 20
	(For features see catalogue 11.030)	ELP 70/P1
	(For features see catalogue 05.080)	CAE 70/P
Max. flow	(l/min.)	300
Max. pressure in P	(bar)	210
Max. pressure on A	(bar)	420
Differential area	%	88 ± 1.5 %
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	5.330
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		

Dimensions

Ordering informations
DPA 70/D-N-B20

Valve type

Standard springs (LCS 20)

Type Setting range

D = 10 - 210 bar

Q = 70 - 315 bar

Adjustment type

N = Standard adjustment

Standard ports

B16 = G 1 ISO 228

B20 = G 1.1/4 ISO 228

Codes:

DPA 70/D-N-B16 71 011 155

DPA 70/Q-N-B16 71 011 156

DPA 70/D-N-B20 71 011 158

DPA 70/Q-N-B20 71 011 159

Only body codes:

Body type 70-DPA-B16 78 144 118

Body type 70-DPA-B20 78 144 119

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SEQUENCE VALVES

SEQUENCE WITH BY-PASS

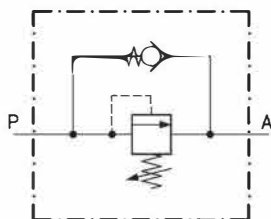
LPS 20/20-CSL 10

04.150

01.96

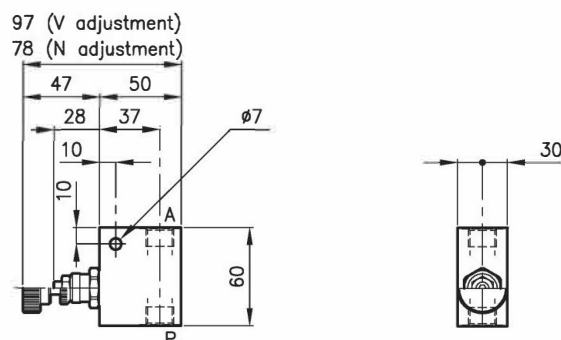
Technical features

The main valve keeps closed till reaching set pressure, as this value gets over the valve opens and feeds the secondary circuit. The pressure required from secondary circuit adds to the setting pressure. The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 02.030)	LPS 20/20
	(For features see catalogue 05.005)	CB 20
Max. flow	(l/min.)	12
Max. pressure in P	(bar)	420
Max. pressure on A	(bar)	210
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.330
Cracking pressure 95% of setting value		
Reseat pressure 90% of setting value		
Cracking pressure defined with 1 l/min.		
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 µm absolutes)		
Standard seals in Polyurethane and Buna N		

Dimensions



Ordering informations

LPS 20/20-D-N-CSL 10-B06

Valve type

Standard springs

Type Setting range

D = 7 - 210 bar

Q = 105 - 420 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version

Standard ports

B06 = G 3/8 ISO 228

Codes:

LPS 20/20-D-N-CSL 10-B06 21 011 177

LPS 20/20-Q-N-CSL 10-B06 21 011 178

LPS 20/20-D-V-CSL 10-B06 21 011 179

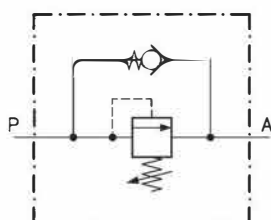
LPS 20/20-Q-V-CSL 10-B06 21 011 180

Only body code:

Body type 20-CSL 10-B06 28 144 116

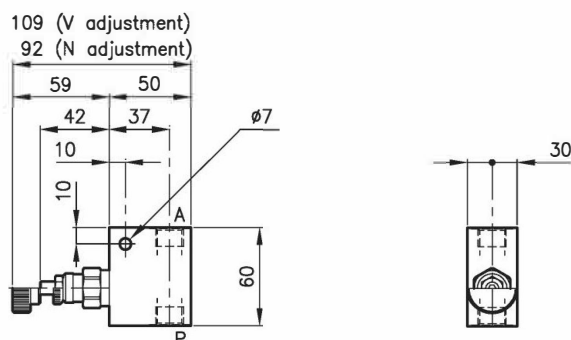
Technical features

The main valve keeps closed till reaching set pressure, as this value gets over the valve opens and feeds the secondary circuit. The pressure required from secondary circuit add to the setting pressure.
The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 02.060)	LPA 20
	(For features see catalogue 05.005)	CB 20
Max. flow	(l/min.)	20
Max. pressure in P	(bar)	350
Max. pressure on A	(bar)	210
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.380
Cracking pressure 90% of setting value		
Reseat pressure 80% of setting value		
Cracking pressure defined with 1 l/min.		
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		

Dimensions



Ordering informations

LPA 20/D-N-CSL 10-B06

Valve type _____
Standard springs
Type Setting range
U = 10 - 105 bar
D = 70 - 210 bar
T = 140 - 350 bar
Adjustment type
N = Standard adjustment
V = Hamdknob adjustment

Version _____
Standard ports
B06 = G 3/8 ISO 228

Codes:

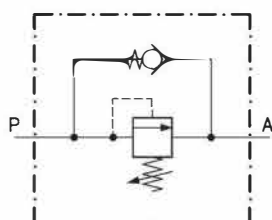
LPA 20/U-N-CSL 10-B06 21 011 171
LPA 20/D-N-CSL 10-B06 21 011 172
LPA 20/T-N-CSL 10-B06 21 011 173
LPA 20/U-V-CSL 10-B06 21 011 174
LPA 20/D-V-CSL 10-B06 21 011 175
LPA 20/T-V-CSL 10-B06 21 011 176

Only body code:

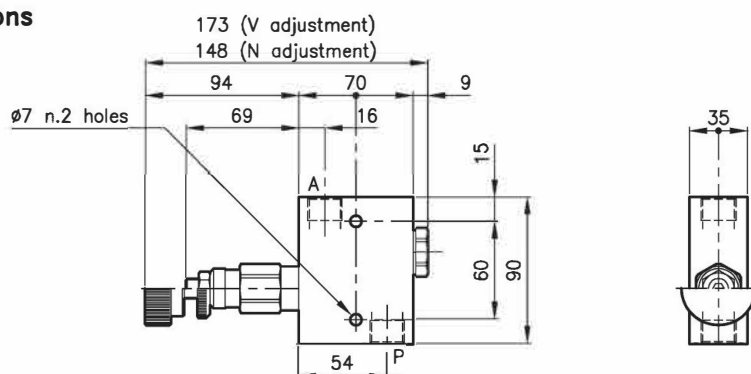
Body type 20-CSL 10-B06 28 144 116

Technical features

The main valve keeps closed till reaching set pressure, as this value gets over the valve opens and feeds the secondary circuit. The pressure required from secondary circuit adds to the setting pressure. The annexed by-pass valve allows the reverse free-flow.



Valves	(For features see catalogue 02.070)	LPA 30
	(For features see catalogue 05.060)	CAE 30/P
Max. flow	(l/min.)	50
Max. pressure in P	(bar)	350
Max. pressure on A	(bar)	210
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.990
Cracking pressure 90% of setting value		
Reseat pressure 80% of setting value		
Cracking pressure defined with 1 l/min.		
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 µm absolutes)		
Standard seals in Polyurethane and Buna N		

Dimensions

Ordering informations
LPA 30/D-N-CSL 10-B08

Valve type

Standard springs

Type Setting range

U = 10 - 105 bar

D = 70 - 210 bar

T = 140 - 350 bar

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Codes:

LPA 30/U-N-CSL 10-B06 31 011 171

LPA 30/D-N-CSL 10-B06 31 011 172

LPA 30/T-N-CSL 10-B06 31 011 173

LPA 30/U-V-CSL 10-B06 31 011 174

LPA 30/D-V-CSL 10-B06 31 011 175

LPA 30/T-V-CSL 10-B06 31 011 176

LPA 30/U-N-CSL 10-B08 31 011 177

LPA 30/D-N-CSL 10-B08 31 011 178

LPA 30/T-N-CSL 10-B08 31 011 179

LPA 30/U-V-CSL 10-B08 31 011 180

LPA 30/D-V-CSL 10-B08 31 011 181

LPA 30/T-V-CSL 10-B08 31 011 182

Only body codes:

Body type 30-CSL 10-B06 38 144 127

Body type 30-CSL 10-B08 38 144 128