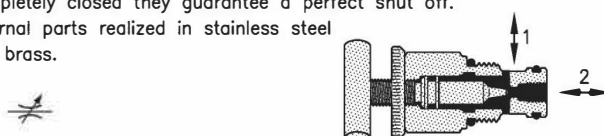
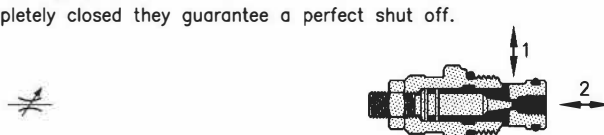
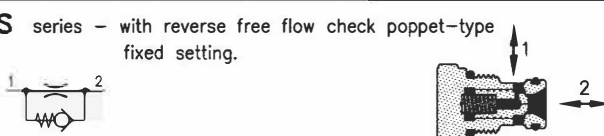
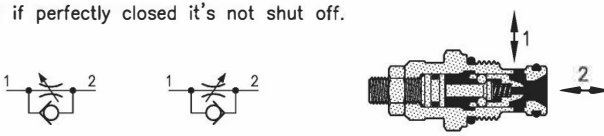
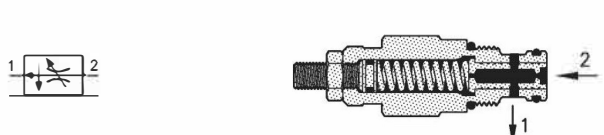
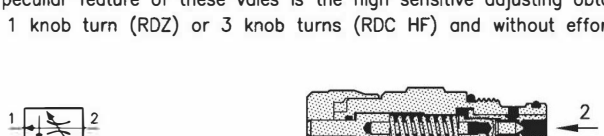
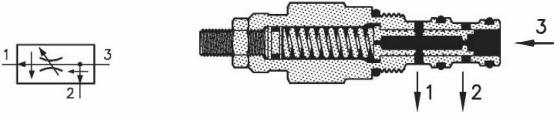
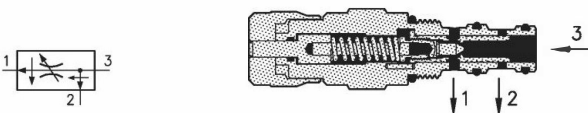
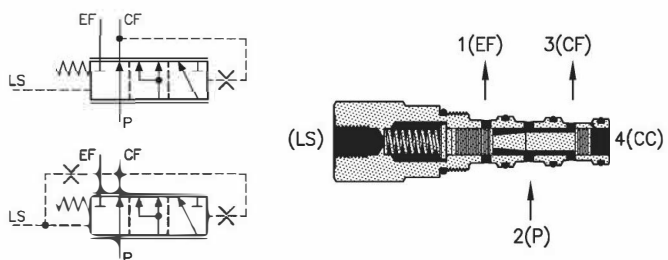
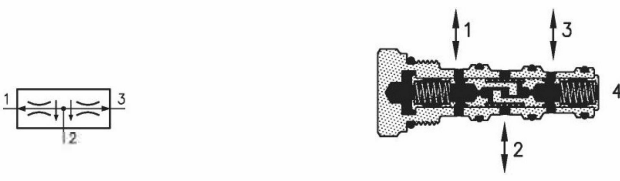


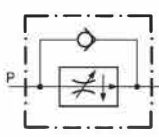
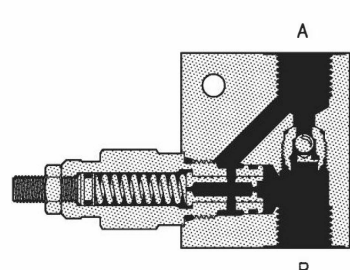
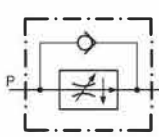
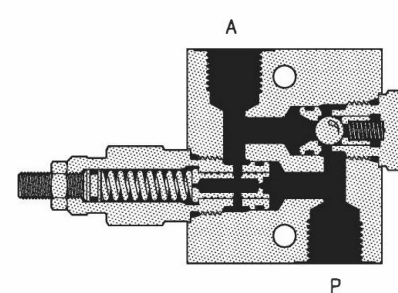
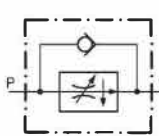
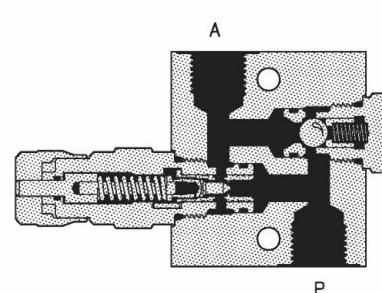
Flow control valves.

They can be classified as needle valves or as compensated flow controls two or three way; are used to keep a check on actuators speed, to share out the flow or as fuse valves.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
RDB series – bidirectional poppet-type. They have a very fine adjustment which allows to control also narrow flow at high pressure in both the flow's directions. Completely closed they guarantee a perfect shut off. External parts realized in stainless steel and brass. 	RDB 20/B	20	315	06.010
RDB series – bidirectional poppet-type. They have a very fine adjustment which allows to control also narrow flow at high pressure in both the flow's directions. Completely closed they guarantee a perfect shut off. 	RDB 20	20	350	06.011
	RDB 30	50	350	06.020
CAS series – with reverse free flow check poppet-type fixed setting. 	CAS 20	35	420	06.025
RDA – RDI series – with reverse free flow check poppet-type. They allow the flow's control in direction 2 – 1 (RDA) and 1 – 2 (RDI); the reverse flow is free. Even if perfectly closed it's not shut off. 	RDA 20	30	350	06.030
	RDA 30	60	350	06.040
	RDI 20	30	350	06.030
	RDI 30	60	350	06.040
RDC series – two-way pressure compensated valves. They keep the flow adjusted uniform independently from the pressure and accept a reverse limited flow in relation to the required adjusting range. 	RDC 20	18	315	06.050
	RDC 30	45	315	06.060
	RDC 50	60	315	06.080
RDZ – RDC HF series – two-way pressure compensated valves. They keep the flow adjusted uniform independently from the pressure. The peculiar feature of these vales is the high sensitive adjusting obtained with 1 knob turn (RDZ) or 3 knob turns (RDC HF) and without effort. 	RDC 30/..-HF	40	315	06.065
	RDZ 30	24	315	06.070
	RDC 50/..-HF	120	315	
	RDZ 50	75	315	06.085

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
DPC series – three-way pressure compensated priority type. They keep the flow adjusted on line 1 uniform independently from the pressure and send the excess flow to line 2 which may be utilized as second use or may be sent to return line (T). 	DPC 20	30/18	315	06.090
	DPC 30	60/45	315	06.100
	DPC 50	120/60	315	06.120
DPZ – DPC HF series – three-way pressure compensated priority type. They keep the flow adjusted on line 1 uniform independently from the pressure and send the excess flow to line 2 which may be utilized as second use or may be sent to return line (T). The peculiar feature of these valves is the high sensitive adjusting obtained with 1 knob turn (DPZ) or 3 knob turns (DPC HF) and without effort. 	DPC 30/..-HF	60/40	315	06.105
	DPZ 30	60/24	315	06.110
	DPC 50/..-HF	160/120	315	
	DPZ 50	120/75	315	06.130
LSV series – four way external Load Sensing signal. The priority valves LSV series are to be used mainly on hydraulic steering system with power steering unit type Load Sensing. These valves allways assure priority to the power steering unit, automatically meter the required flow and send the overflow to port 1(EF). 	LSV 30	60	315	06.140 06.145
DCC series. They are flow divider/combiner pressure compensated. When the inlet flow is through chamber 2 they share out the flow into two parts alike; by inverse working they join together the flows coming from chambers 1 and 3. The narrow mistake margin makes them suitable for applications where simultaneous movements or cylinders ranging are required. On request are available differents ratio. These three-way valves must be seated in a four-way cavity with chamber 4 closed. 	DCC 30	5-40	210	06.150
	DCC 50	15-120	210	06.160

06_001

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
RDC series CSL 10 circuit. They are composed of a flow regulator pressure compencated RDC 20 type and a check valve that allows the free reverse flow.  	RDC 20 CSL 10	20	315	06.180
RDC series CSL 10 circuit. They are composed of a flow regulator pressure compencated RDC 30 type and a check valve that allows the free reverse flow.  	RDC 30 CSL 10	45	315	06.190
RDZ series CSL 10 circuit. They are composed of a flow regulator pressure compencated RDZ 30 type and a check valve that allows the free reverse flow.  	RDZ 30 CSL 10	24	315	06.200

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FLOW CONTROL TWO WAY BIDIRECTIONAL

POPPET-TYPE NON-COMPENSATED

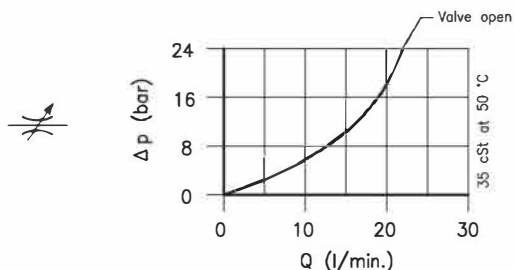
RDB 20/B

06.010

01.02

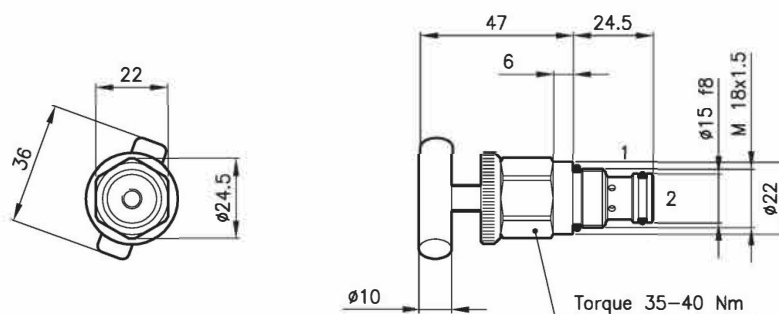
Technical features

The bidirectional needle valves RDB 20/B are a version for fine adjustment of narrow flow. Complete adjustment range is obtained in about six handknob turns till total valve shut off. The flow direction is indifferent.



Cavity	(For dimensions see catalogue 17.000)	S 20/2
Max. adjusted flow (Δp 6 bar)	(l/min.)	0 – 10
Max. adjusted flow (Δp 12 bar)	(l/min.)	0 – 16
Max. adjusted flow (Δp 24 bar)	(l/min.)	0 – 22
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.115
Leakage when closed	(cm ³ /1)	Total shut off
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



Handknob and screw adjustment realized in stainless steel.
External exagon and clamping lock ring realized in brass.

Ordering informations

RDB 20/B

RDB 20 = Valve type



Adjustment type

B = Handknob adjustment



Codes:

RDB 20/B 23 011 126

External seals kit 90 620 100

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

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FLOW CONTROL TWO WAY BIDIRECTIONAL
POPPET-TYPE NON-COMPENSATED

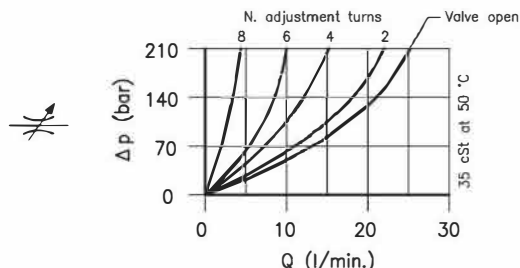
RDB 20

06.011

01.97

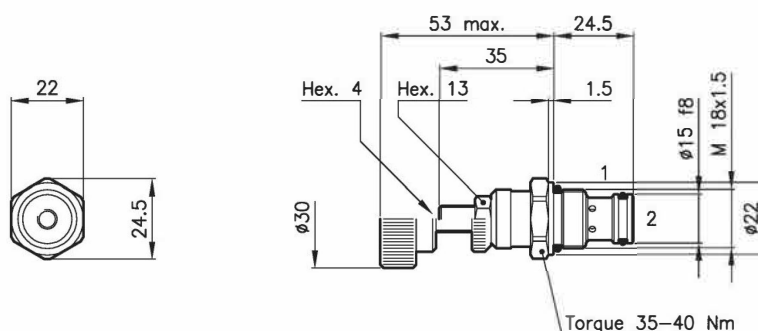
Technical features

The bidirectional needle valves RDB 20/175 are a version for fine and micrometric adjustment of narrow flow. Complete adjustment range is obtained in about ten handknob or screw turns till total valve shut off. The flow direction is indifferent.



Cavity	(For dimensions see catalogue 17.000)	S 20/2
Max. adjusted flow (Δp 70 bar) (l/min.)		0 - 10
Max. adjusted flow (Δp 140 bar) (l/min.)		0 - 16
Max. adjusted flow (Δp 210 bar) (l/min.)		0 - 22
Max. pressure (bar)		350
Fluid viscosity range (cSt)		2.8 - 380
Fluid temperature range (°C)		-20 +80
Mass (kg)		0.090
Leakage when closed (cm^3/l)		Total shut off
Hydraulic fluid; mineral oil HM and HV		ISO 6074
Recommended filtration; 19/15 ISO 4466 (25μ absolutes)		
Standard seals in Polyurethane and Buna N		

Dimensions



Ordering informations

RDB 20/175-V

RDB 20 = Valve type



175 = Plunger type (only option)

Adjustment type

N = Standard adjustment



V = Handknob adjustment



Codes:

RDB 20/175-N 23 011 121

RDB 20/175-V 23 011 108

External seals kit 90 620 100

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

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FLOW CONTROL TWO WAY BIDIRECTIONAL
POPET -TYPE NON-COMPENSATED

RDB 30

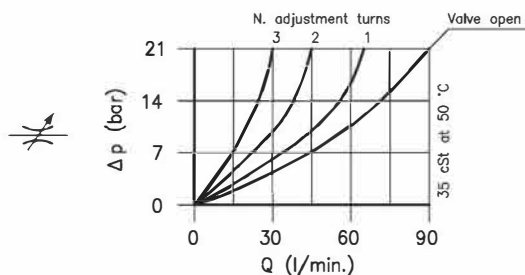
06.020

01.07

Technical features

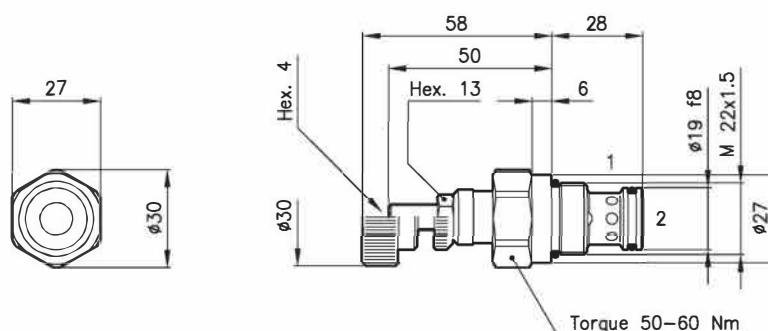
The bidirectional needle valves RDB 30 are a version particularly suitable for the use combined with logic valves for flow control.

Complete adjustment range is obtained in about four handknob or screw turns till total valve shut off. The flow direction is indifferent.



Cavity	(For dimensions see catalogue 17.000)	S 30/2
Max. adjusted flow (Δp 7 bar) (l/min.)		0 - 50
Max. adjusted flow (Δp 14 bar) (l/min.)		0 - 70
Max. pressure (bar)		350
Fluid viscosity range (cSt)		2.8 - 380
Fluid temperature range ($^{\circ}\text{C}$)		-20 +80
Mass (kg)		0.170
Leakage when closed (cm^3/l)	Total shut off	
Hydraulic fluid; mineral oil HM and HV	ISO 6074	
Recommended filtration; 19/15 ISO 4466 (25μ absolutes)		
Standard seals in Polyurethane and Buna N		

Dimensions



Ordering informations

RDB 30/N

RDB 30 = Valve type



Adjustment type

N = Standard adjustment



V = Handknob adjustment



Codes:

RDB 30/N	33 011 141
RDB 30/V	33 011 142
External seals kit	90 620 103

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

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ITALY

FLOW CONTROL

TWO WAY UNIDIRECTIONAL NON-COMPENSATED

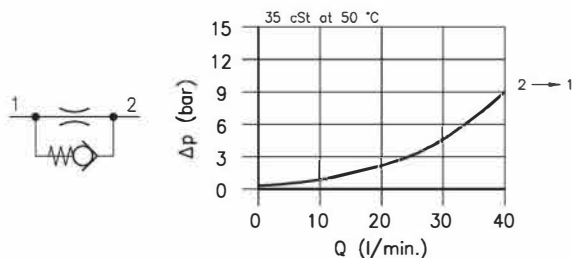
A

CAS 20/..

06.025

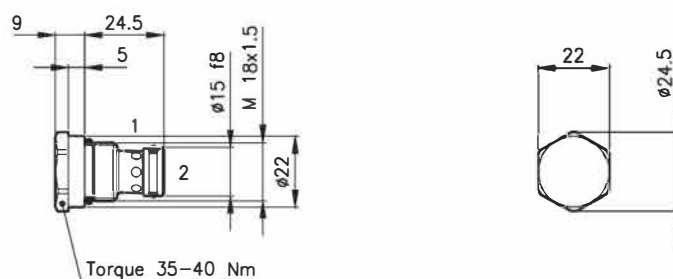
01.19

Technical features



Cavity (For dimensions see catalogue 17.000)		S 20/2	
Nominal flow (l/min.)		35	
Max. pressure (bar)		420	
Cracking pressure (bar)		0.35	
Internal hole (mm)	Ø0.5	Ø0.6	Ø0.7
	Ø0.8	Ø0.9	Ø1
	Ø1.2	Ø1.3	Ø1.5
	Ø1.7	Ø2	
Fluid viscosity range (cSt)		2.8 – 380	
Fluid temperature range (°C)		-20 +80	
Mass (kg)		0.055	
Hydraulic fluid; mineral oil HM and HV		I SO 6074	
Recommended filtration; 19/15 I SO 4466 (25 µ absolutes)			
Standard seals in Polyurethane and Buna N			

Dimensions



Ordering informations

CAS 20/07

CAS 20 = Valve type



Internal hole

05 = Ø0.5 mm

06 = Ø0.6 mm

07 = Ø0.7 mm

08 = Ø0.8 mm

09 = Ø0.9 mm

1 = Ø1 mm

12 = Ø1.2 mm

13 = Ø1.3 mm

15 = Ø1.5 mm

17 = Ø1.7 mm

2 = Ø2 mm

Codes:

CAS 20/05	23 011 140
CAS 20/06	23 011 141
CAS 20/07	23 011 147
CAS 20/08	23 011 148
CAS 20/09	23 011 156
CAS 20/1	23 011 149
CAS 20/12	23 011 167
CAS 20/13	23 011 159
CAS 20/15	23 011 160
CAS 20/17	23 011 169
CAS 20/2	23 011 173

External seals kit 90 620 100

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

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FLOW CONTROL

TWO WAY UNIDIRECTIONAL NON-COMPENSATED

RDA 20
RDI 20

06.030

01.07

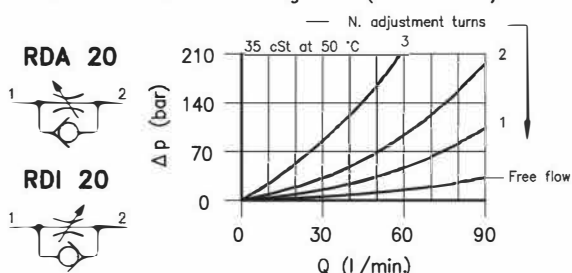
Technical features

Unidirectional needle valves

RDA 20 version for flow's control in direction 2 - 1

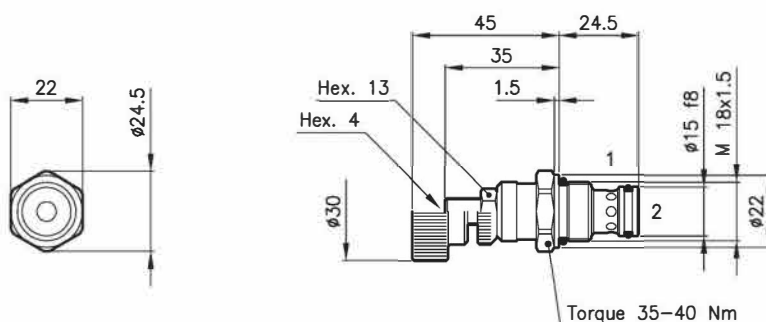
RDI 20 version for flow's control in direction 1 - 2

Complete adjustment range is obtained in about four handknob or screw turns till total closing valve (non shut off).



Cavity (For dimensions see catalogue 17.000)	S 20/2
Max. adjusted flow (Δp 35 bar) (l/min.)	0 - 15
Max. adjusted flow (Δp 70 bar) (l/min.)	0 - 25
Max. adjusted flow (Δp 140 bar) (l/min.)	0 - 30
Max. pressure (bar)	350
Fluid viscosity range (cSt)	2.8 - 380
Fluid temperature range (°C)	-20 +80
Mass (kg)	0.090
Leakage when closed (cm ³ /1)	100
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

Valve type



RDA 20 =



RDI 20 =



Adjustment type

N = Standard adjustment



V = Handknob adjustment



RDA 20/N

Codes:

RDA 20/N 23 011 119

RDA 20/V 23 011 120

RDI 20/N 23 011 152

RDI 20/V 23 011 153

External seals kit 90 620 100

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

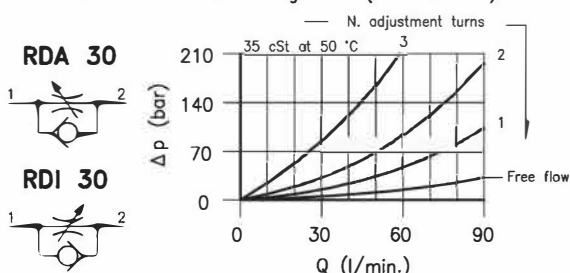
Technical features

Unidirectional needle valves

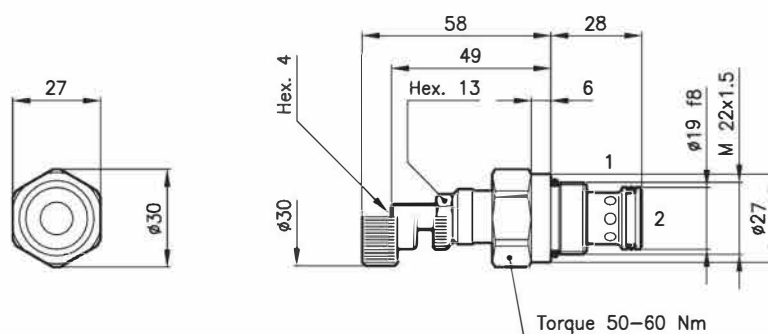
RDA 30 version for flow's control in direction 2 - 1

RDI 30 version for flow's control in direction 1 - 2

Complete adjustment range is obtained in about four handknob or screw turns till total closing valve (non shut off).



Cavity	(For dimensions see catalogue 17.000)	S 30/2
Max. adjusted flow (Δp 35 bar) (l/min.)		0 - 40
Max. adjusted flow (Δp 70 bar) (l/min.)		0 - 70
Max. adjusted flow (Δp 140 bar) (l/min.)		0 - 90
Max. pressure	(bar)	350
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.170
Leakage when closed	(cm ³ /1)	100
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

Valve type



RDA 30 =



RDI 30 =



Adjustment type

N = Standard adjustment



V = Handknob adjustment


RDA 30/N

Codes:

RDA 30/N 33 011 128

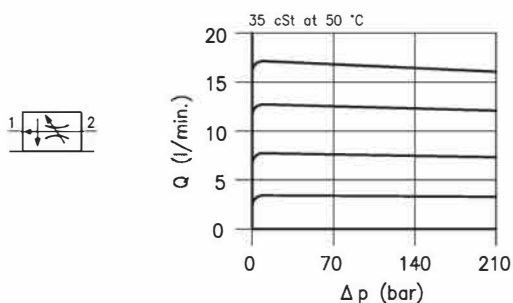
RDA 30/V 33 011 127

RDI 30/N 33 011 190

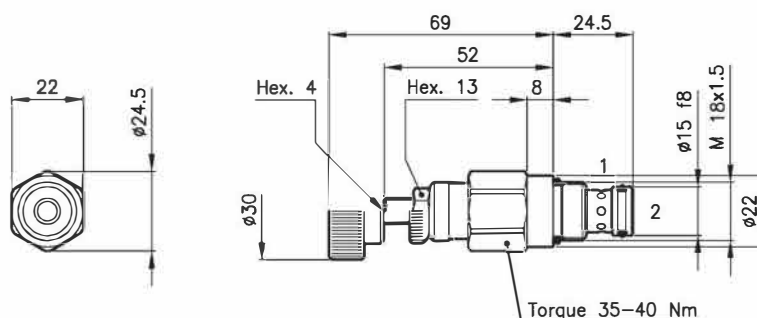
RDI 30/V 33 011 191

External seals kit 90 620 103

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

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 20/2
Flow setting range	type U	0.6 – 2.2
± 10% (l/min.)	type D	1.5 – 4.5
	type T	3.2 – 9.5
	type Q	6 – 18
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(Standard adjustment type N) (kg)	0.140
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
RDC 20/D-N
RDC 20 = Valve type


Flow setting range

U = 0.6 – 2.2 l/min

D = 1.5 – 4.5 l/min

T = 3.2 – 9.5 l/min

Q = 6 – 18 l/min

Adjustment type

N = Standard adjustment

V = Handknob adjustment

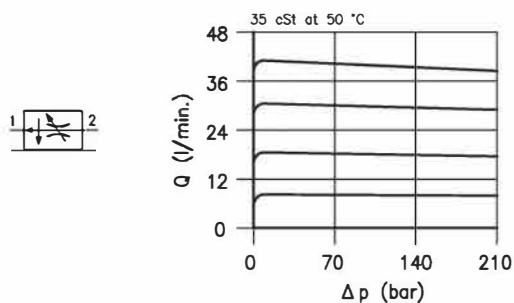

Codes:

RDC 20/U-N	23 011 100
RDC 20/D-N	23 011 101
RDC 20/T-N	23 011 102
RDC 20/Q-N	23 011 103

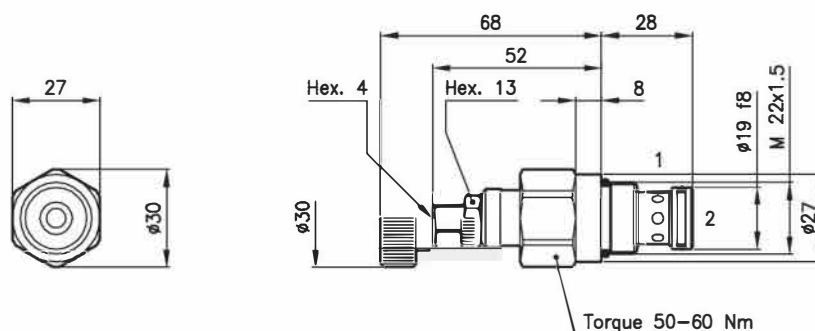
RDC 20/U-V	23 011 111
RDC 20/D-V	23 011 112
RDC 20/T-V	23 011 113
RDC 20/Q-V	23 011 114

External seals kit 90 620 100

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

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 30/2
Flow setting range	type U	3 – 6
± 10% (l/min.)	type D	6 – 11
	type T	13 – 25
	type Q	25 – 45
Max. pressure	(bar)	315
Flow viscosity range	(cSt)	2.8 – 380
Flow temperature range	(°C)	-20 +80
Mass	(Standard adjustment type N) (kg)	0.260
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
RDC 30 = Valve type


Flow setting range

U = 3 – 6 l/min

D = 6 – 11 l/min

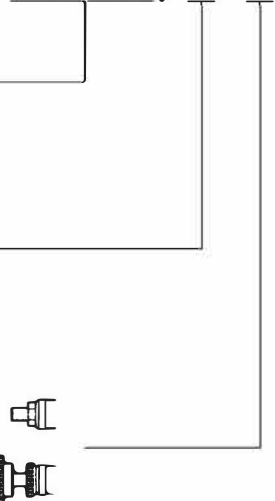
T = 13 – 25 l/min

Q = 25 – 45 l/min

Adjustment type

N = Standard adjustment

V = Handknob adjustment

RDC 30/D-N


Codes:

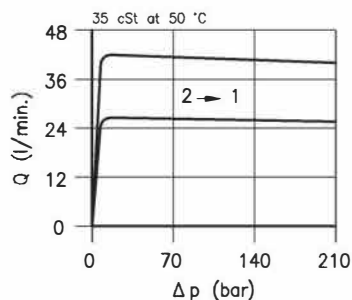
RDC 30/U-N	33 011 119
RDC 30/D-N	33 011 120
RDC 30/T-N	33 011 121
RDC 30/Q-N	33 011 122

RDC 30/U-V	33 011 123
RDC 30/D-V	33 011 124
RDC 30/T-V	33 011 125
RDC 30/Q-V	33 011 126

External seals kit 90 620 103

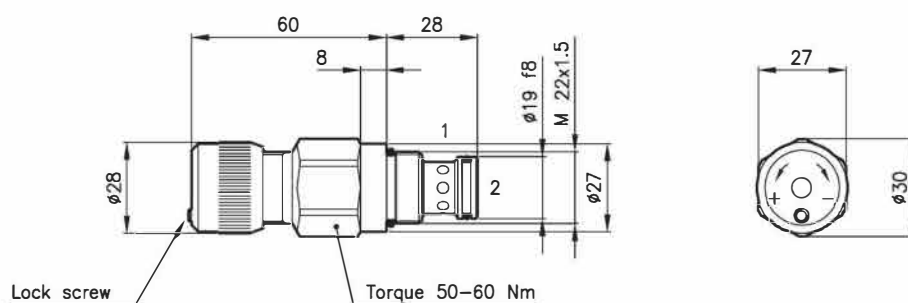
RDC 30 valves can be assembled on standard bodies 30-LO series; for dimensions see catalogue 16.010

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/2
Flow setting range (l/min.)	type 20	0.05 – 25
	type 50	0.05 – 40
Max. pressure	(bar)	315
Min. pressure difference	(bar)	7
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.240
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Complete adjustment range obtained with 3 knob turns		
Standard seals in Polyurethane and Buna N		

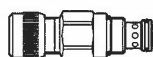
Dimensions



Ordering informations

RDC 30/20-HF

RDC 30 = Valve type



Flow setting range

20 = 0.05 – 25 l/min

50 = 0.05 – 40 l/min

Adjustment type

HF = With lock screw

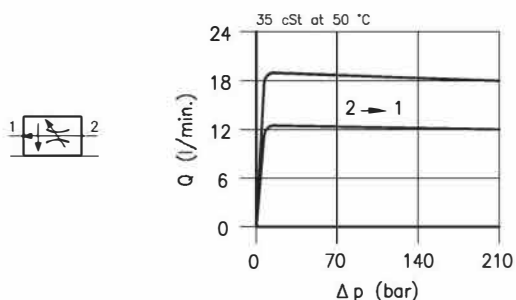
Codes:

RDC 30/20-HF 33 011 187

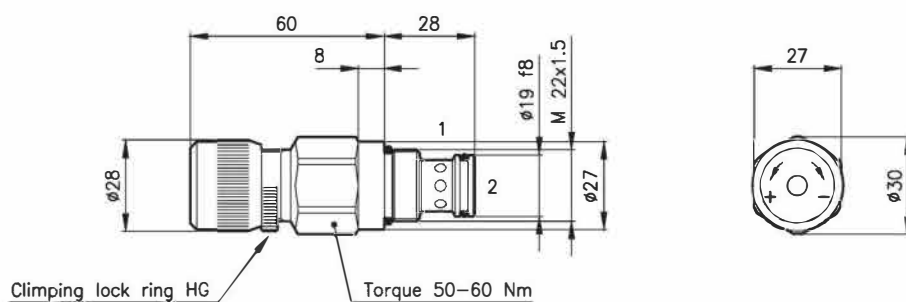
RDC 30/50-HF 33 011 188

External seals kit 90 620 103

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

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 30/2
Flow setting range (l/min.)	type D	0.05 – 12
	type Q	0.05 – 24
Max. pressure	(bar)	315
Min. pressure difference	(bar)	7
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.240
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Complete adjustment range obtained with 1 knob turn		
Standard seals in Polyurethane and Buna N		

Dimensions

Ordering informations
RDZ 30/D-H
RDZ 30 = Valve type


Flow setting range

D = 0.05 – 12 l/min

Q = 0.05 – 24 l/min

Adjustment type

H = Standard

HG = With clamping lock ring

HF = Available on request
(see catalogue 01.005)

Codes:

RDZ 30/D-H 33 011 117

RDZ 30/Q-H 33 011 118

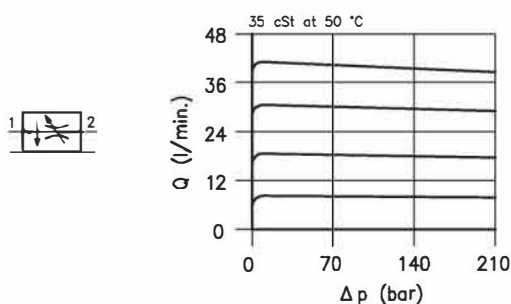
RDZ 30/D-HG 33 011 139

RDZ 30/Q-HG 33 011 140

External seals kit 90 620 103

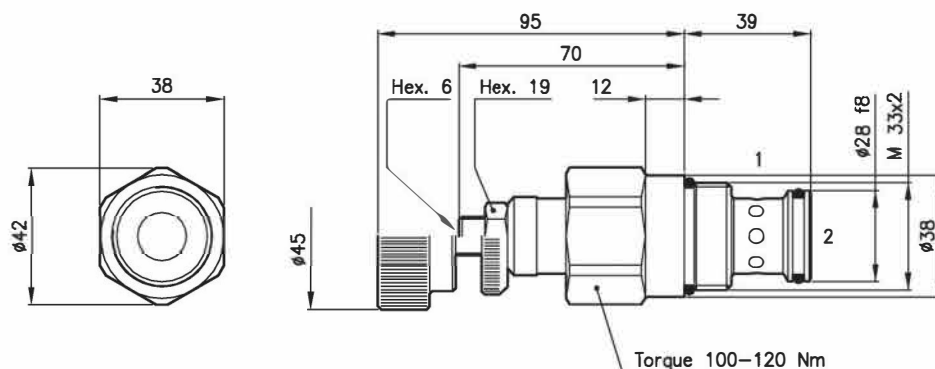
RDZ 30 valves can be assembled
on standard bodies 30-LO series;
for dimensions see catalogue 16.010

Technical features



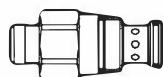
Cavity	(For dimensions see catalogue 17.000)	S 50/2
Flow setting range	type U	4 – 8
± 10% (l/min.)	type D	8 – 16
	type T	16 – 30
	type Q	30 – 60
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(Standard adjustment type N) (kg)	0.510
Hydraulic fluid; 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

RDC 50 = Valve type



Flow setting range

U = 4 – 8 l/min

D = 8 – 16 l/min

T = 16 – 30 l/min

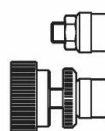
Q = 30 – 60 l/min

Adjustment type

N = Standard adjustment

V = Handknob adjustment

RDC 50/D-N



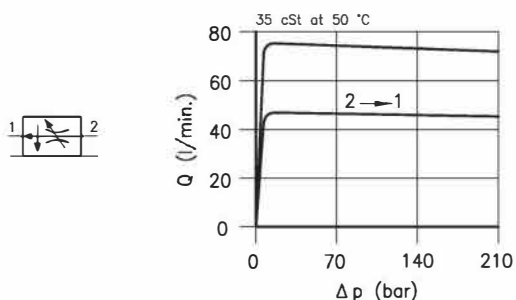
Codes:

RDC 50/U-N	53 011 104
RDC 50/D-N	53 011 105
RDC 50/T-N	53 011 106
RDC 50/Q-N	53 011 107

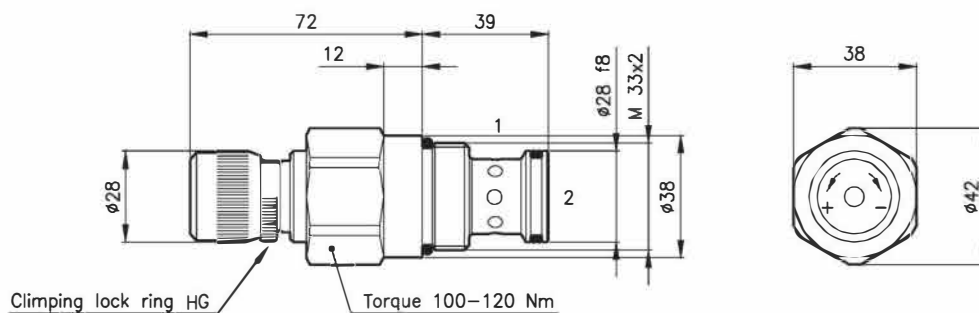
RDC 50/U-V	53 011 112
RDC 50/D-V	53 011 113
RDC 50/T-V	53 011 114
RDC 50/Q-V	53 011 115

External seals kit 90 620 106

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

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 50/2
Flow setting range (l/min.)	type D	0.05 – 45
	type Q	0.05 – 75
Max. pressure	(bar)	315
Min. pressure difference	(bar)	7
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Mass	(kg)	0.480
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Complete adjustment range obtained with 1 knob turn		
Standard seals in Polyurethane and Buna N		

Dimensions

Ordering informations
RDZ 50/D-H
RDZ 50 = Valve type


Flow setting range

D = 0.05 – 45 l/min

Q = 0.05 – 75 l/min

Adjustment type

H = Standard

HG = With clamping lock ring

HF = Available on request
(see catalogue 01.005)

Codes:

RDZ 50/D-H 53 011 122

RDZ 50/Q-H 53 011 123

RDZ 50/D-HG 53 011 124

RDZ 50/Q-HG 53 011 125

External seals kit 90 620 106

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

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FLOW CONTROL

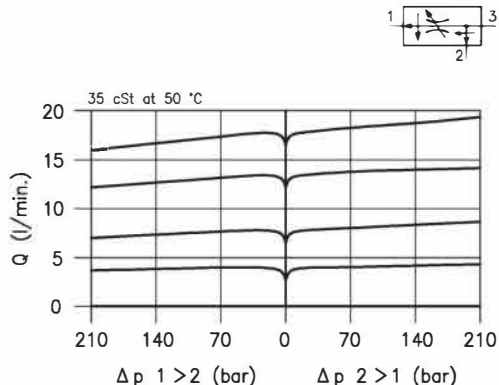
THREE WAY PRIORITY PRESSURE COMPENSATED

DPC 20

06.090

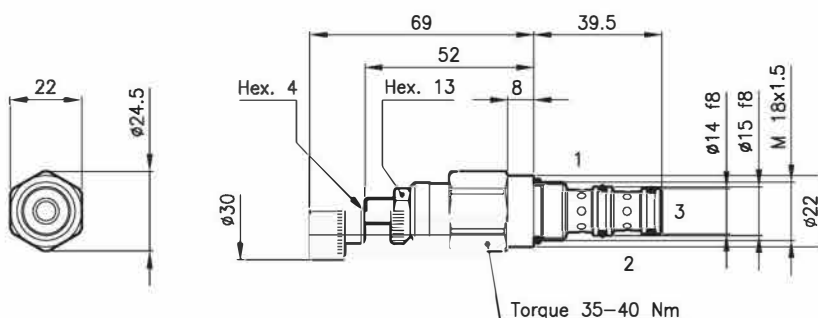
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 20/3
Max. inlet flow	(l/min.)	30
Flow setting range ± 10% (l/min.)	type U	0.6 – 2.2
	type D	1.5 – 4.5
	type T	3.2 – 9.5
	type Q	6 – 18
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass (Standard adjustment type N)	(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

RDC 20 = Valve type



Flow setting range

U = 0.6 – 2.2 l/min

D = 1.5 – 4.5 l/min

T = 3.2 – 9.5 l/min

Q = 6 – 18 l/min

Adjustment type

N = Standard adjustment

V = Handknob adjustment

DPC 20/D-N



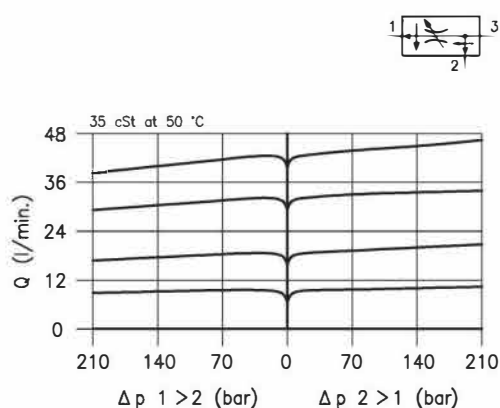
Codes:

DPC 20/U-N 23 011 104
DPC 20/D-N 23 011 105
DPC 20/T-N 23 011 106
DPC 20/Q-N 23 011 107

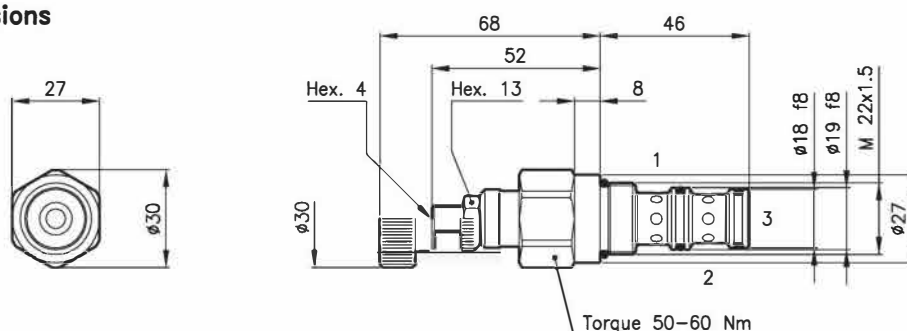
DPC 20/U-V 23 011 115
DPC 20/D-V 23 011 116
DPC 20/T-V 23 011 117
DPC 20/Q-V 23 011 118

External seals kit 90 620 101

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

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. inlet flow	(l/min.)	60
Flow setting range ± 10% (l/min.)	type A	1.5 – 3.6
	type U	3 – 6
	type D	6 – 11
	type Z	8 – 16
	type T	13 – 25
	type Q	25 – 45
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Mass (Standard adjustment type N)	(kg)	0.200
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		

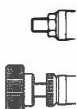
Dimensions

Ordering informations
DPC 30/D-N
DPC 30 = Valve type


Flow setting range

A = 1.5 – 3.6 l/min
U = 3 – 6 l/min
D = 6 – 11 l/min
Z = 8 – 16 l/min
T = 13 – 25 l/min
Q = 25 – 45 l/min

Adjustment type

N = Standard adjustment

V = Handknob adjustment


Codes:

DPC 30/A-N	33 011 215
DPC 30/U-N	33 011 109
DPC 30/D-N	33 011 110
DPC 30/Z-N	33 011 247
DPC 30/T-N	33 011 111
DPC 30/Q-N	33 011 112
DPC 30/U-V	33 011 105
DPC 30/D-V	33 011 106
DPC 30/T-V	33 011 107
DPC 30/Q-V	33 011 108

External seals kit 90 620 104

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

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FLOW CONTROL THREE WAY

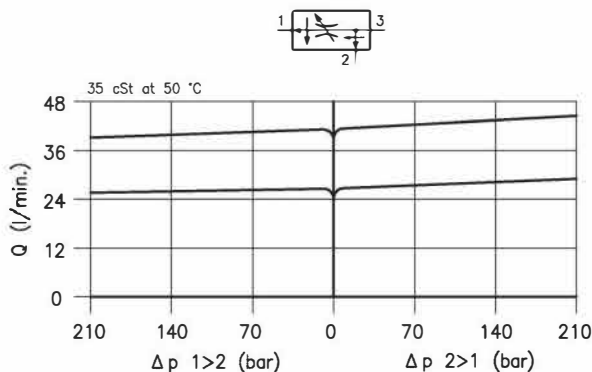
PRIORITY PRESSURE COMPENSATED

DPC 30/..-HF

06.105

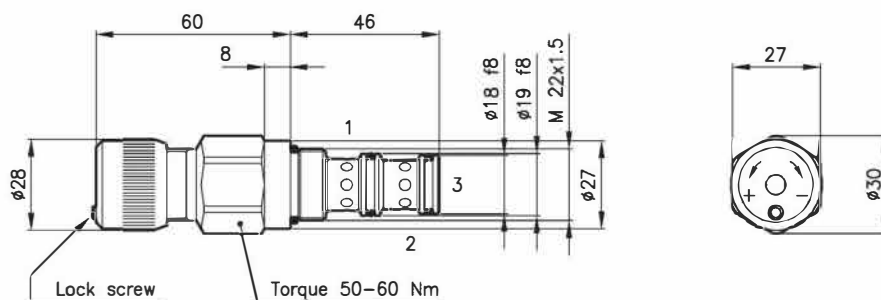
01.07

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. inlet flow	(l/min.)	60
Flow setting range	(l/min.)	type 20 0.05 – 25 type 50 0.05 – 40
Max. pressure	(bar)	315
Min pressure difference	(bar)	7
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.260
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Complete adjustment range obtained with 3 knob turns		
Standard seals in Polyurethane and Buna N		

Dimensions



Ordering informations

DPC 30/20-HF

DPC 30 = Valve type



Flow setting range

20 = 0.05 – 25 l/min

50 = 0.05 – 40 l/min

Adjustment type

HF = With lock screw

Codes:

DPC 30/20-HF 33 011 184
DPC 30/50-HF 33 011 186

External seals kit 90 620 104

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

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FLOW CONTROL

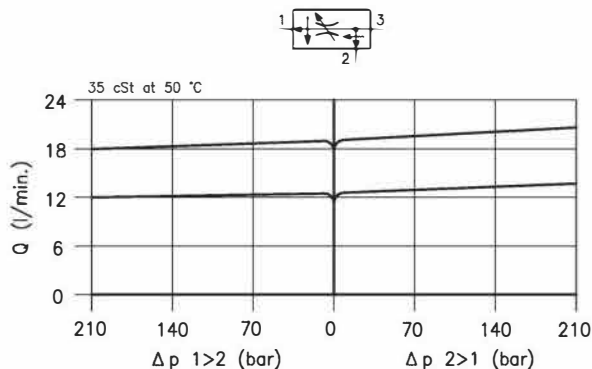
THREE WAY PRIORITY PRESSURE COMPENSATED

DPZ 30

06.110

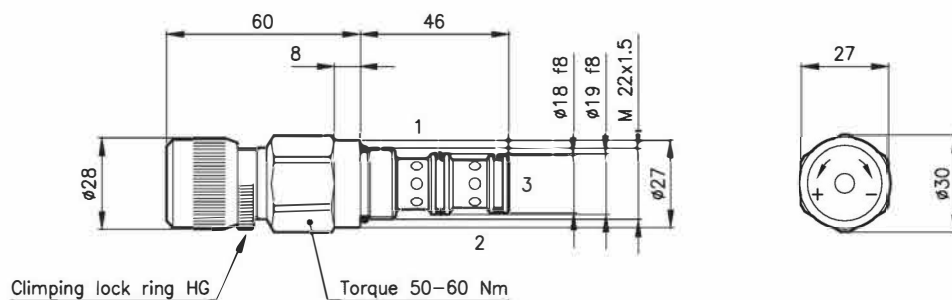
01.19

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. inlet flow	(l/min.)	60
Flow setting range	type D	0.05 - 12
	type Q	0.05 - 24
Max. pressure	(bar)	315
Min pressure difference	(bar)	7
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.260
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Complete adjustment range obtained with 1 knob turn		
Standard seals in Polyurethane and Buna N		

Dimensions



Ordering informations

DPZ 30/D-H

DPZ 30 = Valve type



Flow setting range

D = 0.05 - 12 l/min

Q = 0.05 - 24 l/min

Adjustment type

H = Standard

HG = With clamping lock ring

HF = Available on request
(see catalogue 01.005)

Codes:

DPZ 30/D-H 33 011 115

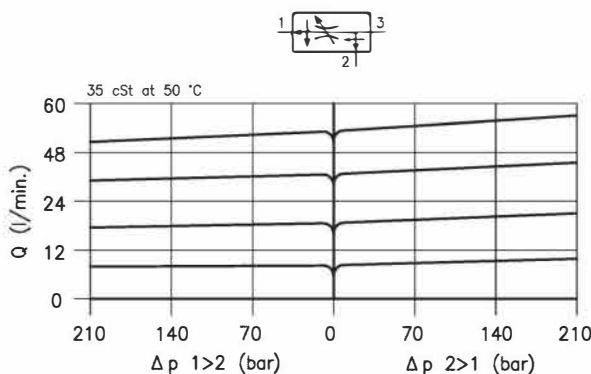
DPZ 30/Q-H 33 011 100

DPZ 30/D-HG 33 011 146

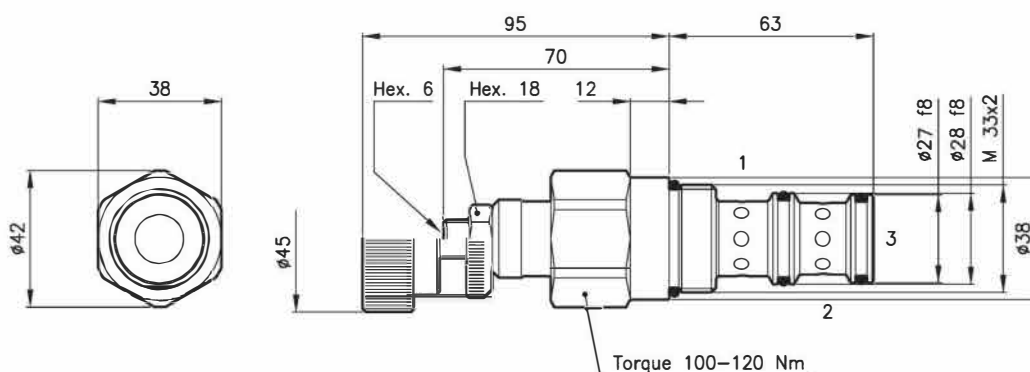
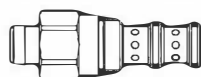
DPZ 30/Q-HG 33 011 147

External seals kit 90 620 104

DPZ 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. inlet flow	(l/min.)	120
Flow setting range	type U	4 – 8
± 10% (l/min.)	type D	8 – 16
	type T	16 – 30
	type Q	30 – 60
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(Standard adjustment type N) (kg)	0.580
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
DPC 50/D-N
DPC 50 = Valve type


Flow setting range

U = 4 – 8 l/min

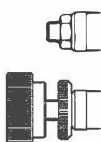
D = 8 – 16 l/min

T = 16 – 30 l/min

Q = 30 – 60 l/min

Adjustment type

N = Standard adjustment

V = Handknob adjustment


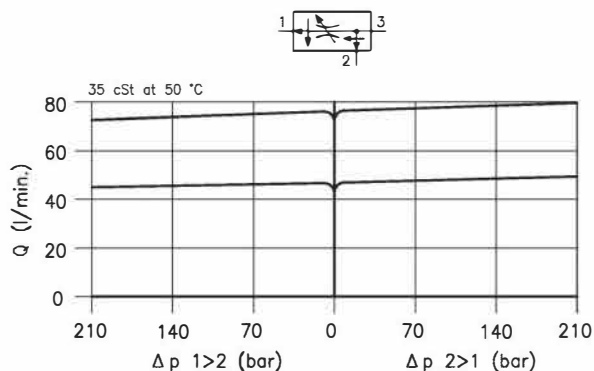
Codes:

DPC 50/U-N	53 011 100
DPC 50/D-N	53 011 101
DPC 50/T-N	53 011 102
DPC 50/Q-N	53 011 103

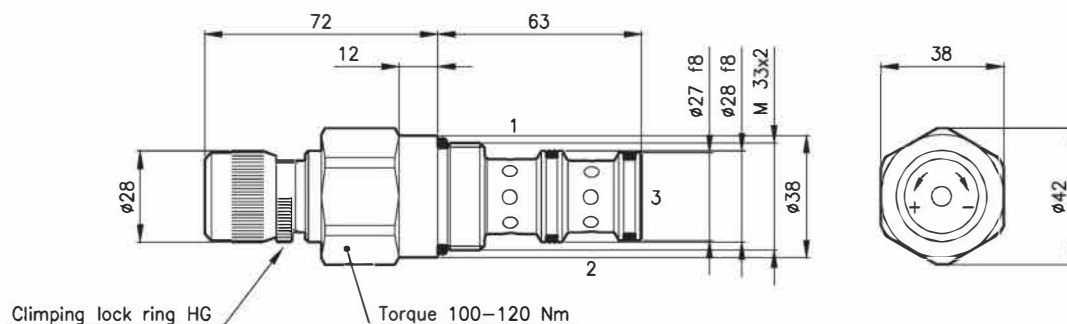
DPC 50/U-V	53 011 116
DPC 50/D-V	53 011 117
DPC 50/T-V	53 011 118
DPC 50/Q-V	53 011 119

External seals kit 90 620 107

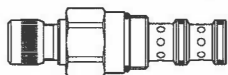
DPC 50 valves can be assembled on standard bodies 50-C3 series; for dimensions see catalogue 16.010

Technical features


Cavity	(For dimensions see catalogue 17.000)	S 50/3
Max. inlet flow	(l/min.)	120
Flow setting range	type D	0.05 – 45
	type Q	0.05 – 75
Max. pressure	(bar)	315
Min pressure difference	(bar)	7
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.600
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Complete adjustment range obtained with 1 knob turn		
Standard seals in Polyurethane and Buna N		

Dimensions

Ordering informations
DPZ 50/D-H

DPZ 50 = Valve type



Flow setting range

D = 0.05 – 45 l/min

Q = 0.05 – 75 l/min

Adjustment type

H = Standard

HG = With clamping lock ring

HF = Available on request
(see catalogue 01.005)

Codes:

DPZ 50/D-H 53 011 126

DPZ 50/Q-H 53 011 127

DPZ 50/D-HG 53 011 128

DPZ 50/Q-HG 53 011 129

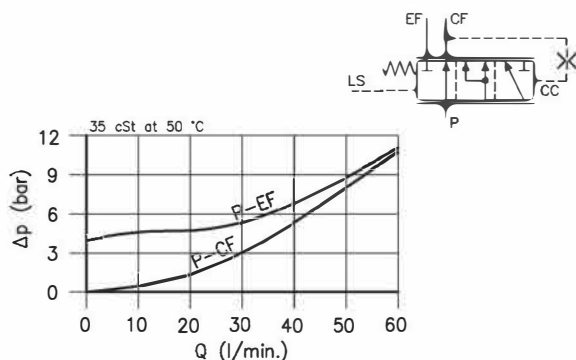
External seals kit 90 620 107

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

Technical features

The priority valves LSV 30 are to be used mainly on hydraulic steering systems with power steering unit type Load Sensing. These valves always assure priority to the power steering unit, automatically meter the required flow and send the overflow to port EF.

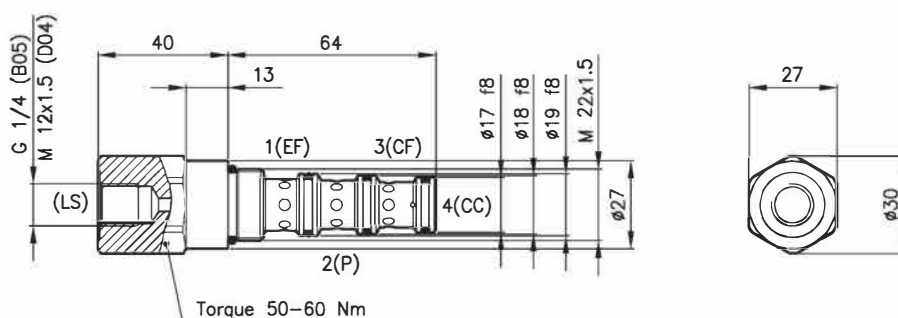
The lines P, LS, and EF must be protected with separated relief valves.



Cavity	(For dimensions see catalogue 17.000)	S 30/4
Max. flow in P line	(l/min.)	60
Max. flow in CF line	(l/min.)	40
Max. pressure in P line	(bar)	315
Max. pressure in EF line	(bar)	315
Max. pressure in CF line	(bar)	250
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.210
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		

Connections:

P = Pump
 CF = Priority flow (power steering)
 EF = Excedent flow (auxiliary)
 LS = Load sensing

Dimensions

Ordering informations
LSV 30/M-B05

LSV 30 = Valve type



Standard springs

Type Setting

M = 10 bar

LS port

B05 = G 1/4

D04 = M 12x1.5

Codes:

LSV 30/M-B05 33 011 144

LSV 30/M-D04 33 011 143

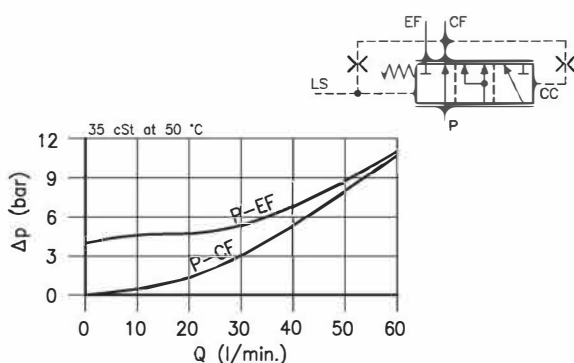
External seals kit 90 620 105

LSV 30 valves can be assembled on standard bodies 30-CC series; for dimensions see catalogue 16.011

Technical features

The priority valves LSV 30 are to be used mainly on hydraulic steering systems with power steering unit type Load Sensing. These valves always assure priority to the power steering unit, automatically meter the required flow and send the overflow to port EF.

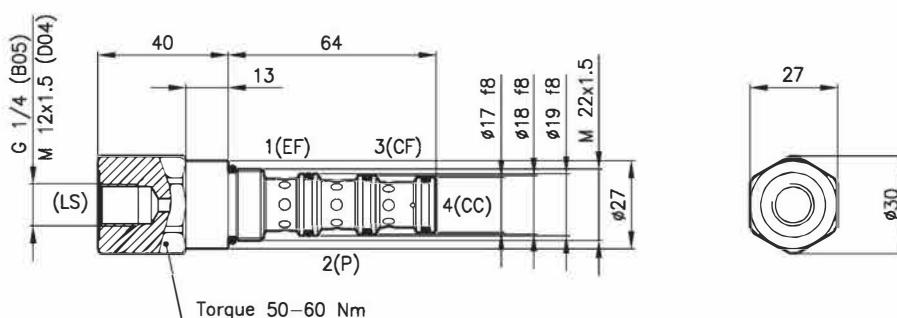
The lines P, LS, and EF must be protected with separated relief valves.



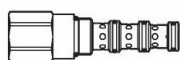
Cavity	(For dimensions see catalogue 17.000)	S 30/4
Max. flow in P line	(l/min.)	60
Max. flow in CF line	(l/min.)	40
Max. pressure in P line	(bar)	315
Max. pressure in EF line	(bar)	315
Max. pressure in CF line	(bar)	250
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.210
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		

Connections:

P = Pump
 CF = Priority flow (power steering)
 EF = Excedent flow (auxiliary)
 LS = Load sensing

Dimensions

Ordering informations
LSV 30B/M-D04

LSV 30B = Valve type



Standard springs

Type Setting

M = 10 bar

LS port

B05 = G 1/4

D04 = M 12x1.5

Codes:

LSV 30B/M-B05 33 011 157

LSV 30B/M-D04 33 011 145

External seals kit 90 620 105

LSV 30B valves can be assembled on standard bodies 30-CC series; for dimensions see catalogue 16.011

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FLOW CONTROL THREE WAY

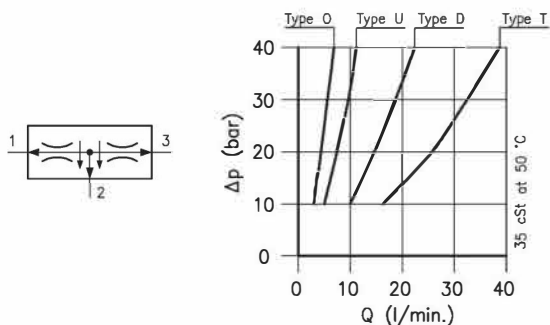
DIVIDER/COMBINERS PRESSURE COMPENSATED

DCC 30

06.150

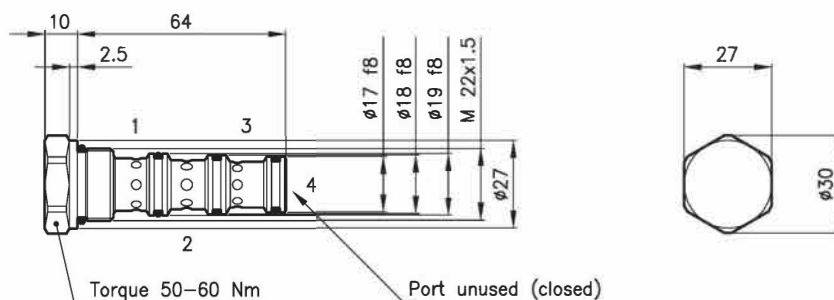
01.98

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/4
Inlet flow range (l/min.)	type O	3 - 7
	type U	5 - 12
	type D	10 - 24
	type T	18 - 40
Max. pressure	(bar)	210
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.180
Max. accuracy from 10 to 210 bar		5%
Standard flow division	(%)	50/50
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

DCC 30/D

DCC 30 = Valve type



Inlet flow range

O = 3 - 7 l/min

U = 5 - 12 l/min

D = 10 - 24 l/min

T = 18 - 40 l/min

Codes:

DCC 30/O 33 011 101

DCC 30/U 33 011 102

DCC 30/D 33 011 103

DCC 30/T 33 011 104

External seals kit 90 620 105

DCC 30 valves can be assembled on standard bodies 30-CC series; for dimensions see catalogue 16.011

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FLOW CONTROL THREE WAY

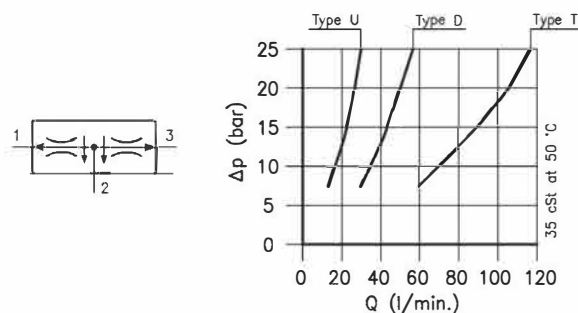
DIVIDER-COMBINERS PRESSURE COMPENSATED

DCC 50

06.160

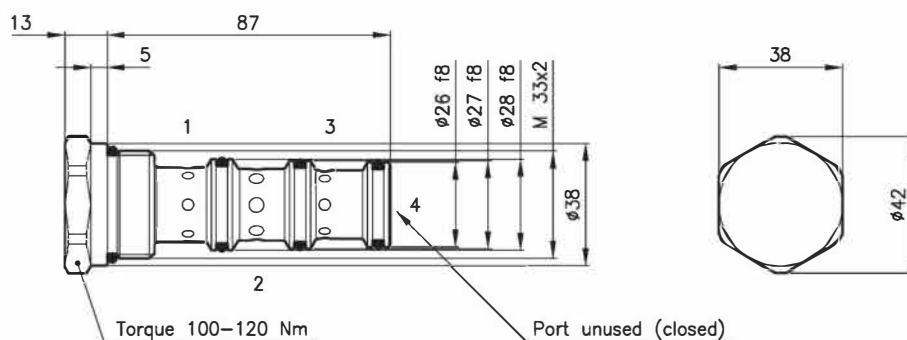
01.96

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 50/4
Inlet flow range (l/min.)	type U	15 – 30
	type D	30 – 60
	type T	60 – 120
Max. pressure	(bar)	210
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Mass	(kg)	0.510
Max. accuracy from 10 to 210 bar		5%
Standard flow division	(%)	50/50
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		

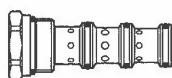
Dimensions



Ordering informations

DCC 50/D

DCC 50 = Valve type



Inlet flow range

U = 15 – 30 l/min

D = 30 – 60 l/min

T = 60 – 120 l/min

Codes:

DCC 50/U 53 011 108

DCC 50/D 53 011 109

DCC 50/T 53 011 110

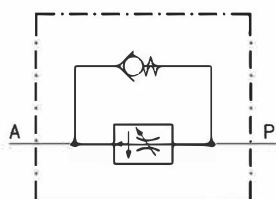
External seals kit 90 620 108

DCC 50 valves can be assembled on standard bodies 50-CC series; for dimensions see catalogue 16.011

Technical features

The main valve are used as pressure compensated flow control and the they keep flow adjusted uniform indipently from the pressure.

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


Valves

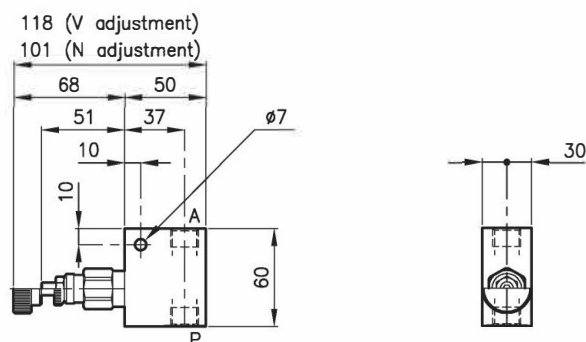
(For features see catalogue 06.050)

RDC 20

(For features see catalogue 05.005)

CB 20

Flow setting range 10% (l/min.)	type U	0.6 – 2.2
	type D	1.5 – 4.5
	type T	3.2 – 9.5
	type Q	6 – 18
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 – 380
Fuid temperature range	(°C)	-20 +80
Mass	(kg)	0.400
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
RDC 20/D-N-CSL 10-B06

Valve type

Flow setting range

U = 0.6 – 2.2 l/min

D = 1.5 – 4.5 l/min

T = 3.2 – 9.5 l/min

Q = 6 – 18 l/min

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version

Standard ports

B06 = G 3/8 ISO 228

Codes:

RDC 20/U-N-CSL 10-B06	23 011 129
RDC 20/D-N-CSL 10-B06	23 011 130
RDC 20/T-N-CSL 10-B06	23 011 131
RDC 20/Q-N-CSL 10-B06	23 011 132
RDC 20/U-V-CSL 10-B06	23 011 133
RDC 20/D-V-CSL 10-B06	23 011 134
RDC 20/T-V-CSL 10-B06	23 011 135
RDC 20/Q-V-CSL 10-B06	23 011 136

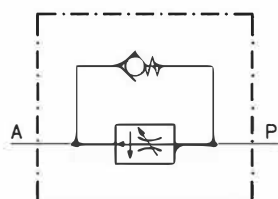
Only body code:

Body type 20-CSL 10-B06 28 144 116

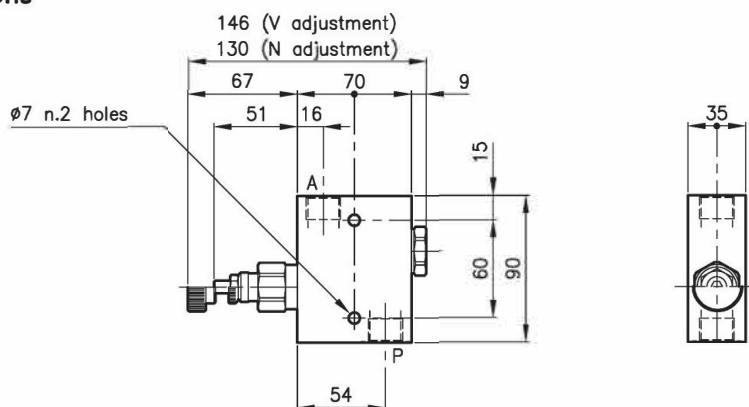
Technical features

The main valve are used as pressure compensated flow control and the they keep flow adjusted uniform independently from the pressure.

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



Valves	(For features see catalogue 06.060)	RDC 30
	(For features see catalogue 05.060)	CAE 30/P
Flow setting range 10% (l/min.)	type U	3 - 6
	type D	6 - 11
	type T	13 - 25
	type Q	25 - 45
Max. pressure	(bar)	315
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.980
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
RDC 30/D-N-CSL 10-B08

Valve type

Flow setting range

U = 3 - 6 l/min

D = 6 - 11 l/min

T = 13 - 25 l/min

Q = 25 - 45 l/min

Adjustment type

N = Standard adjustment

V = Handknob adjustment

Version

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Only body codes:

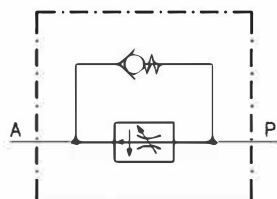
Body type 30-CSL 10-B06 38 144 127

Body type 30-CSL 10-B08 38 144 128

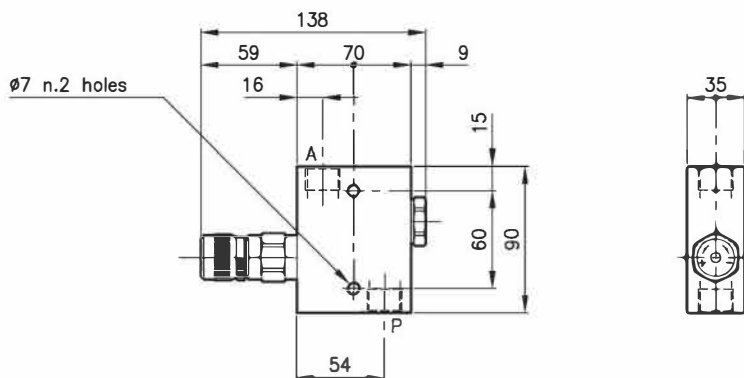
Technical features

The main valve are used as pressure compensated flow control and the they keep flow adjusted uniform independently from the pressure.

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



Valves	(For features see catalogue 06.070)	RDZ 30
	(For features see catalogue 05.060)	CAE 30/P
Flow setting range (l/min.)	type D	0.05 – 12
	type Q	0.05 – 24
Max. pressure	(bar)	315
Min. pressure difference	(bar)	7
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.960
Hydraulic fluid; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 µ absolutes)		
Complete adjustment range obtained with 1 knob turn		
Standard seals in Polyurethane and Buna N		

Dimensions

Ordering informations
RDZ 30/D-H-CSL 10-B08

Valve type

Flow setting range

D = 0.05 – 12 l/min

Q = 0.05 – 24 l/min

Adjustment type

H = Standard

HG = With clamping lock ring

Version

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Codes:

RDZ 30/D-H-CSL 10-B06 33 011 149

RDZ 30/Q-H-CSL 10-B06 33 011 150

RDZ 30/D-HG-CSL 10-B06 33 011 151

RDZ 30/Q-HG-CSL 10-B06 33 011 152

RDZ 30/D-H-CSL 10-B08 33 011 153

RDZ 30/Q-H-CSL 10-B08 33 011 154

RDZ 30/D-HG-CSL 10-B08 33 011 155

RDZ 30/Q-HG-CSL 10-B08 33 011 156

Only body codes:

Body type 30-CSL 10-B06 38 144 127

Body type 30-CSL 10-B08 38 144 128