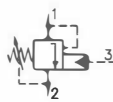
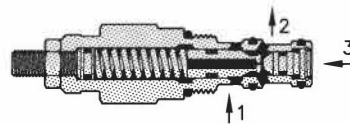
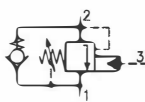
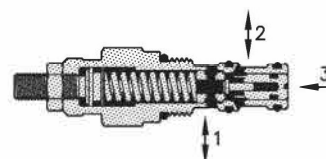
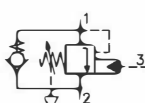
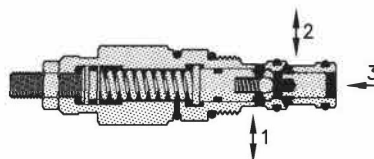
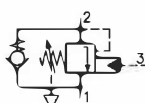
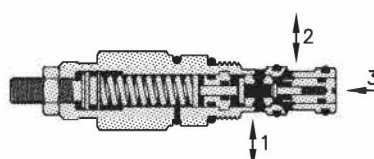


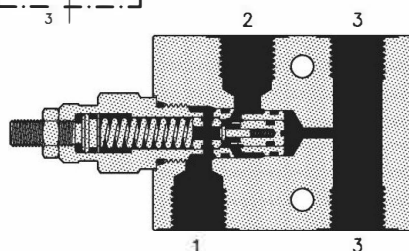
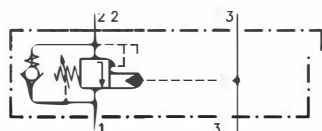
Motion control or overcenter valves.

As primary function these motion control or overcenter valves control the actuators' speed in relation to inlet flow, keep them blocked up, prevent pressure uncontrollable increases and avoid cavitation during movements. If placed directly on actuators they also guarantee the pipe's safety.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
CMS series – without by-pass valve. Are used in all circuits where in addition to overcenter function, is also required a control of load induced pressure. The by-pass valve must be externally set.  	CMS 20	50	350	07.010
	CMS 30	90	350	07.020
	CMS 50	160	350	07.030
	CMS 70	360	350	07.040
CMQ series – with internal by-pass valve. Are used in all circuits where the only motion or overcenter function is required. The internal by-pass valve allows the free flow in direction from 1 to 2.  	CMQ 30	50	350	07.060
	CMQ 50	90	350	07.070
CMB series – with internal by-pass valve. It is a version provided with an atmospheric pressure connected spring. The setting value remain unchanged also with back pressure in chamber 2. The internal by-pass valve allows the free flow in direction from 2 to 1.  	CMB 20	20	350	07.090
CMC series – with internal by-pass valve. It is a version provided with an atmospheric pressure connected spring. The setting value remain unchanged also with back pressure in chamber 1. The internal by-pass valve allows the free flow in direction from 1 to 2.  	CMC 30	50	350	07.100
	CMC 50	90	350	07.110

Main features
CMQ-CMB series PP

Overcenter valve in a special manifold for simple acting function.


**CMB 20/
PP**

Q max.
(l/min.)

20

P max.
(bar)

270

Technical
schedule

07.190

**CMQ 30/
PP**

50

350

07.192

**CMQ 50/
PP**

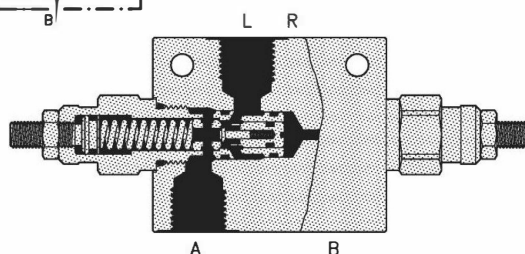
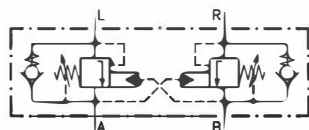
90

350

07.194

CMQ-CMB series CSL 25 circuit

They are two overcenter valves combined in a special manifold for double acting function.


**CMB 20/
CSL 25**

20

270

07.220

**CMQ 30/
CSL 25**

50

350

07.200

**CMQ 50/
CSL 25**

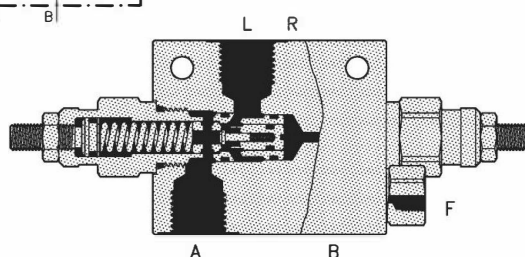
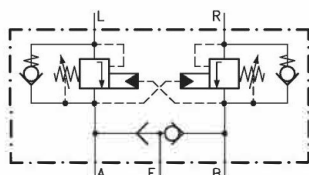
90

350

07.210

CMQ series CSL 26 circuit

They are two overcenter valves combined in a special manifold for double acting function; version with shuttle valve for hydraulic brakes automatic release system.


**CMQ 30/
CSL 26**

50

350

07.240

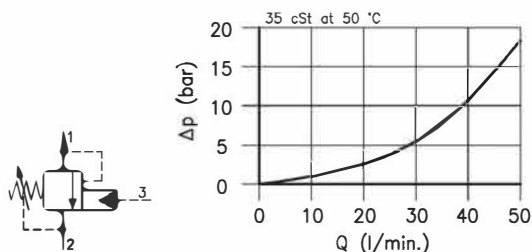
**CMQ 50/
CSL 26**

90

350

07.250

Technical features

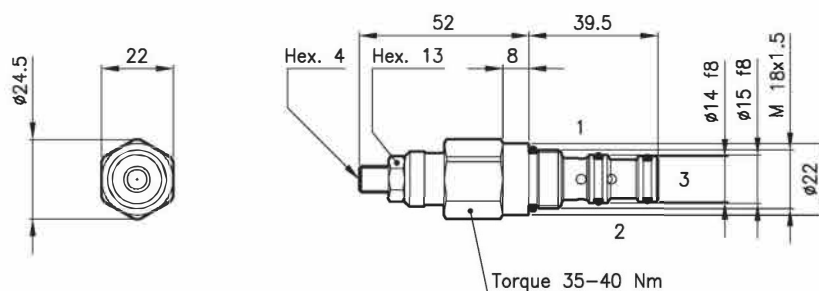


$$PP = \frac{(SP + BP) - LP}{2.9}$$

PP = Pilot pressure
SP = Setting pressure
BP = Backpressure port 2
LP = Load induced pressure

Cavity	(For dimensions see catalogue 17.000)	S 20/3
Max. flow	(l/min.)	50
Max. system pressure	(bar)	270
Max. setting pressure	(bar)	350
Pilot ratio		2.9:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Massa	(kg)	0.160
Cracking pressure 95% of setting value		
Reseat pressure 75% of setting value		
Standard setting obtained 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

CMS 20/T-N

CMS 20 = Valve type



Standard springs

Type	Setting range	Factory set
U	10 - 105 bar	70 bar
D	70 - 210 bar	140 bar
T	140 - 350 bar	280 bar

Adjustment type

N = Standard adjustment

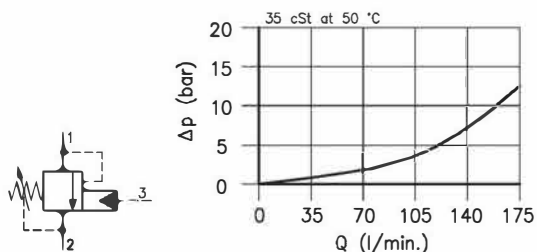


Codes:

CMS 20/U-N	24 011 100
CMS 20/D-N	24 011 101
CMS 20/T-N	24 011 102
External seals kit	90 620 101

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

Technical features

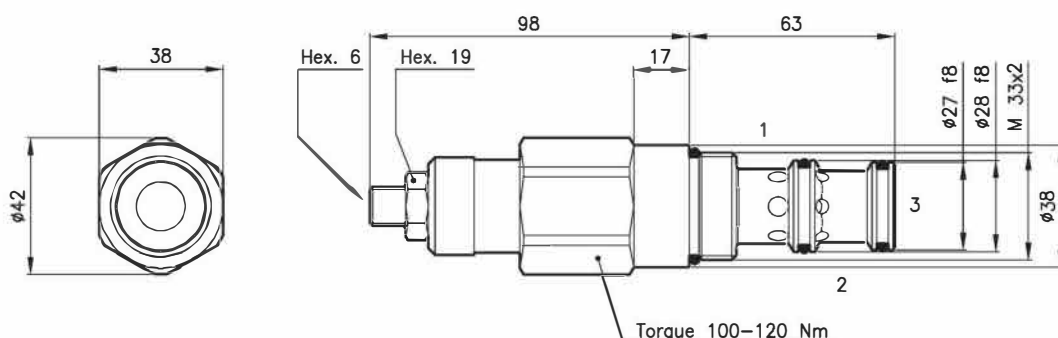


$$PP = \frac{(SP + BP) - LP}{3}$$

PP = Pilot pressure
SP = Setting pressure
BP = Backpressure port 2
LP = Load induced pressure

Cavity	(For dimensions see catalogue 17.000)	S 50/3
Max. flow	(l/min.)	160
Max. system pressure	(bar)	270
Max. setting pressure	(bar)	350
Pilot ratio		3:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.610
Cracking pressure 95% of setting value		
Reseat pressure 75% of setting value		
Standard setting obtained 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

CMS 50 = Valve type



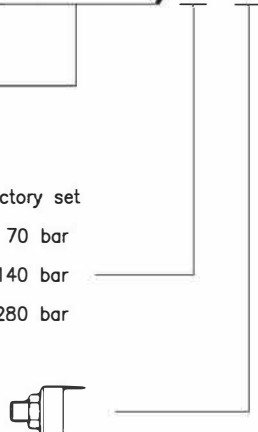
Standard springs

Type	Setting range	Factory set
U	10 - 105 bar	70 bar
D	70 - 210 bar	140 bar
T	140 - 350 bar	280 bar

Adjustment type

N = Standard adjustment

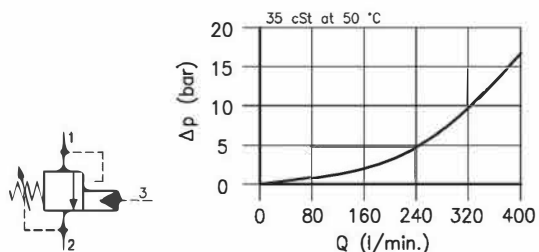
CMS 50/T-N



Codes:

CMS 50/U-N	54 011 104
CMS 50/D-N	54 011 105
CMS 50/T-N	54 011 106
External seals kit	90 620 107

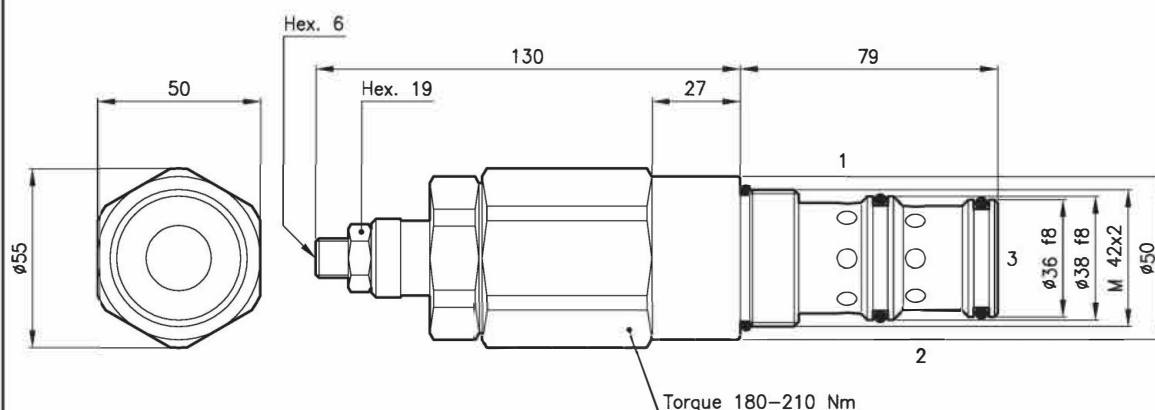
CMS 50 valves can be assembled on standard bodies 50-C3 series; for dimensions see catalogue 16.010

Technical features


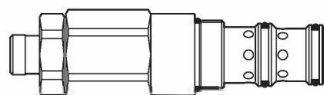
$$PP = \frac{(SP + BP) - LP}{3}$$

PP = Pilot pressure
SP = Setting pressure
BP = Backpressure port 2
LP = Load induced pressure

Cavity	(For dimensions see catalogue 17.000)	S 70/3
Max. flow	(l/min.)	360
Max. system pressure	(bar)	270
Max. setting pressure	(bar)	350
Pilot ratio		3:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.960
Cracking pressure 95% of setting value		
Reseat pressure 75% of setting value		
Standard setting obtained with 5 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

CMS 70 = Valve type



Standard springs

Type	Setting range	Factory set
U	10 - 105 bar	70 bar
D	70 - 210 bar	140 bar
T	140 - 350 bar	280 bar

Adjustment type

N = Standard adjustment

CMS 70/T-N

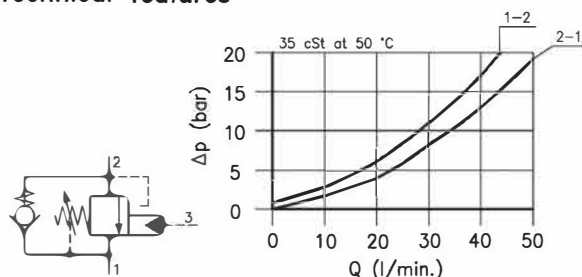


Codes:

CMS 70/U-N	74 011 101
CMS 70/D-N	74 011 102
CMS 70/T-N	74 011 100
External seals kit	90 620 120

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

Technical features

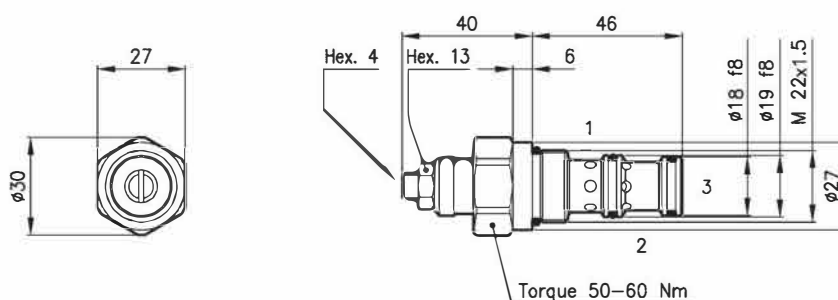


$$PP = \frac{(SP + BP) - LP}{8}$$

PP = Pilot pressure
SP = Setting pressure
BP = Backpressure port 1
LP = Load induced pressure

Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. flow	(l/min.)	50
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.175
Cracking pressure 95% of setting value		
Reseat pressure 75% of setting value		
Standard setting obtained 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

CMQ 30/T-L

CMQ 30 = Valve type



Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection



Codes:

CMQ 30/D-L	34 011 101
CMQ 30/T-L	34 011 102
External seals kit	90 620 104

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

FLUCOM
ITALY

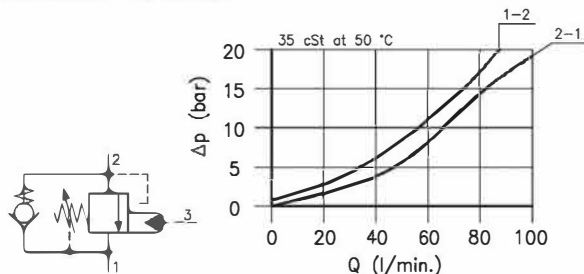
MOTION CONTROL THREE WAY WITH PILOT
REVERSE FREE FLOW CHECK

CMQ 50

07.070

01.96

Technical features

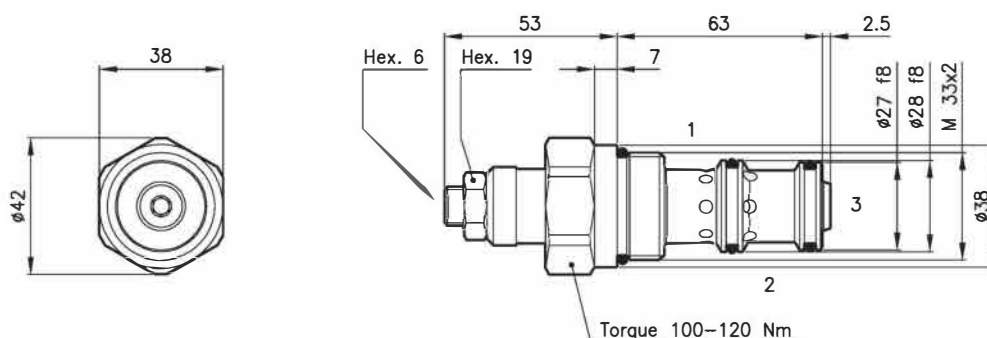


$$PP = \frac{(SP + BP) - LP}{8}$$

PP = Pilot pressure
SP = Setting pressure
BP = Backpressure port 1
LP = Load induced pressure

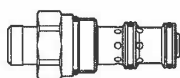
Cavity	(For dimensions see catalogue 17.000)	S 50/3
Max. flow	(l/min.)	90
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.520
Cracking pressure 95% of setting value		
Reseat pressure 75% of setting value		
Standard setting obtained 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

CMQ 50 = Valve type



Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection



CMQ 50/T-L

Codes:

CMQ 50/D-L	54 011 100
CMQ 50/T-L	54 011 101
External seals kit	90 620 107

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

FLUCOM
ITALY

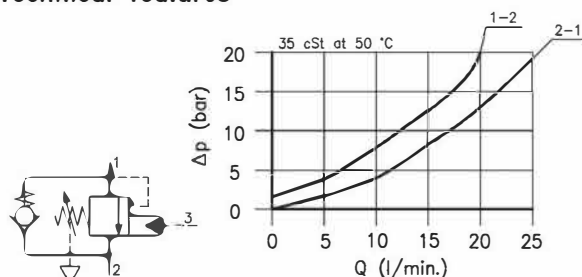
MOTION CONTROL THREE WAY WITH PILOT
NOT AFFECTED BY BACKPRESSURE
REVERSE FREE FLOW CHECK

CMB 20

07.090

01.07

Technical features

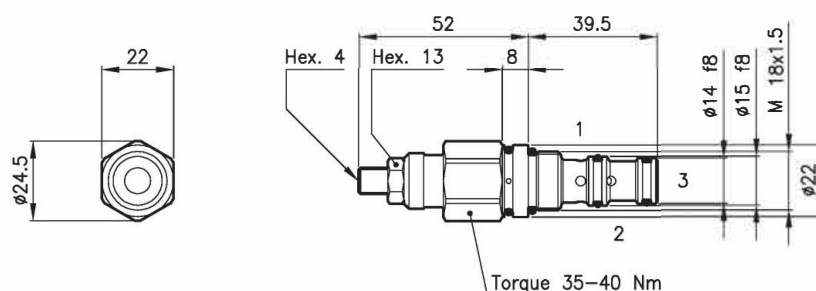


$$PP = \frac{SP - LP}{3.75}$$

PP = Pilot pressure
SP = Setting pressure
LP = Load induced pressure

Cavity	(For dimensions see catalogue 17.000)	S 20/3
Max. flow	(l/min.)	20
Max. system pressure	(bar)	270
Max. setting pressure	(bar)	320
Pilot ratio		3.75:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.170
Cracking pressure 95% of setting value		
Reseat pressure 75% of setting value		
Standard setting obtained 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

CMB 20/T-N

CMB 20 = Valve type



Standard springs

Type	Setting range	Factory set
U	25 - 125 bar	70 bar
D	50 - 205 bar	140 bar
T	105 - 320 bar	280 bar

Adjustment type

N = Standard adjustment



Codes:

CMB 20/U-N	24 011 105
CMB 20/D-N	24 011 106
CMB 20/T-N	24 011 107
External seals kit	90 620 101

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

FLUCOM
ITALY

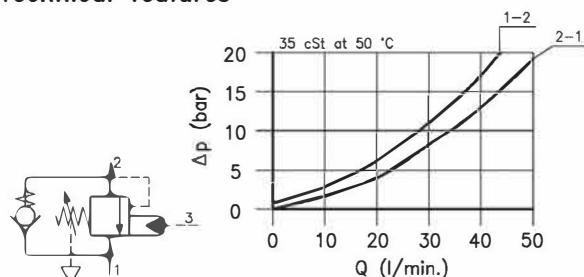
MOTION CONTROL THREE WAY WITH PILOT
NOT AFFECTED BY BACKPRESSURE
REVERSE FREE FLOW CHECK

CMC 30

07.100

01.07

Technical features

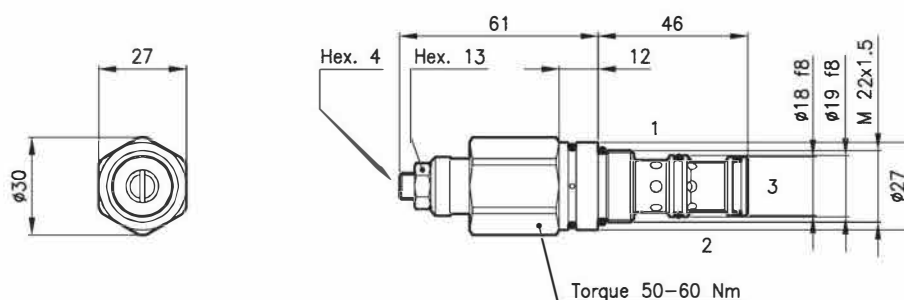


$$PP = \frac{SP - LP}{8}$$

PP = Pilot pressure
SP = Setting pressure
LP = Load induced pressure

Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. flow	(l/min.)	50
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.210
Cracking pressure 95% of setting value		
Reseat pressure 75% of setting value		
Standard setting obtained 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

CMC 30/T-L

CMC 30 = Valve type



Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection



Codes:

CMC 30/D-L	34 011 122
CMC 30/T-L	34 011 123
External seals kit	90 620 104

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

FLUCOM
ITALY

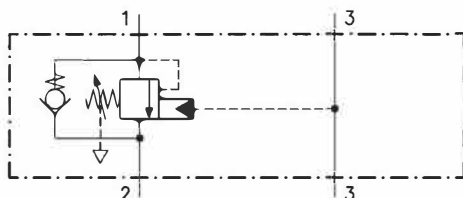
MOTION CONTROL
CROSS-LINE BODY

CMB 20/..-PP

07.190

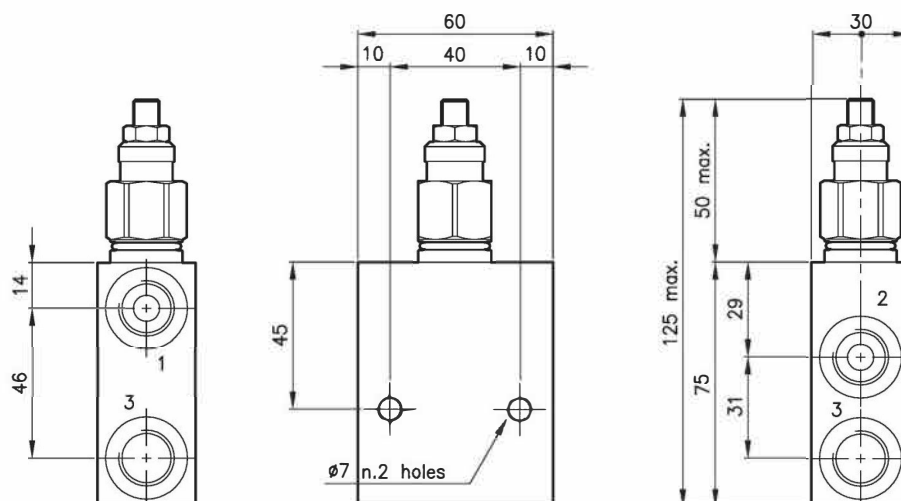
01.10

Technical features



Valve	(For features see catalogue 07.090)	CMB 20
Max. flow	(l/min.)	20
Max. system pressure	(bar)	270
Max. setting pressure	(bar)	320
Pilot ratio		3.75:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.550

Dimensions



Ordering informations

CMB 20/D-N-PP-B06

CMB 20 = Valve type

Standard springs

Type Setting range

Factory set

U = 25 - 125 bar 70 bar

D = 50 - 205 bar 140 bar

T = 105 - 320 bar 280 bar

Adjustment type

N = Standard adjustment



Version

Standard ports

B05 = G 1/4 ISO 228

B06 = G 3/8 ISO 228

Codes:

CMB 20/U-N-PP-B05 24 011 123

CMB 20/D-N-PP-B05 24 011 124

CMB 20/T-N-PP-B05 24 011 125

CMB 20/U-N-PP-B06 24 011 126

CMB 20/D-N-PP-B06 24 011 127

CMB 20/T-N-PP-B06 24 011 128

Only bodies code:

Body type 20-PP-B05 28 144 152

Body type 20-PP-B06 28 144 153

FLUcom
ITALY

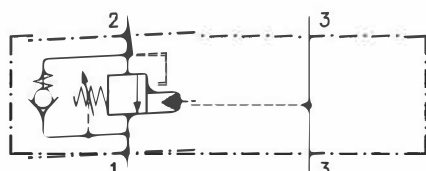
MOTION CONTROL
CROSS - LIBODY

CMQ 30/..-PP

07.192

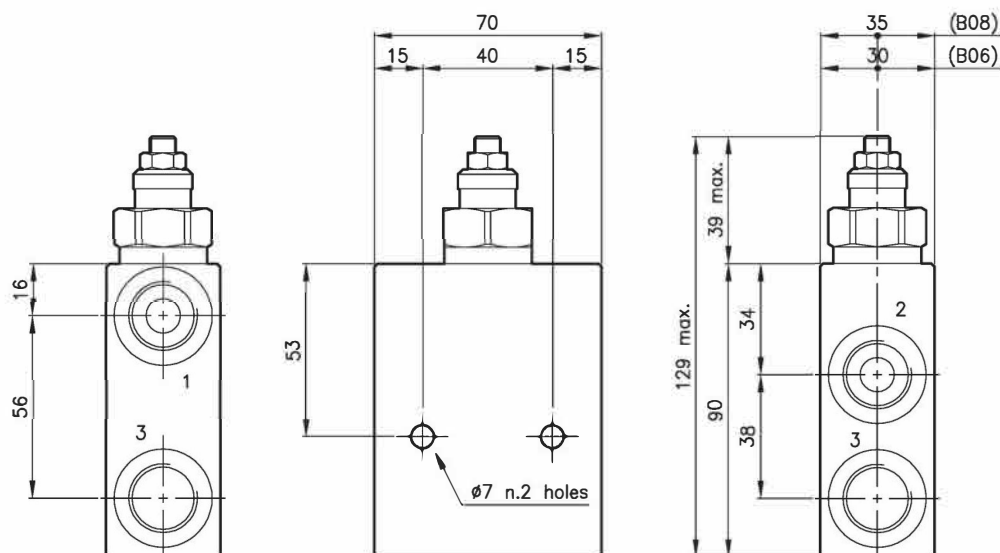
01.10

Technical features



Valve	(For features see catalogue 07.060)	CMQ 30
Max. flow	(l/min.)	50
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.790

Dimensions



Ordering informations

CMQ 30/T-L-PP-B08

CMQ 30 = Valve type

Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection 

Version

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Codes:

CMQ 30/D-L-PP-B06	34 011 155
CMQ 30/T-L-PP-B06	34 011 156
CMQ 30/D-L-PP-B08	34 011 157
CMQ 30/T-L-PP-B08	34 011 158

Only bodies code:

Body type 30-PP-B06	38 144 120
Body type 30-PP-B08	38 144 236

FLUcom
I T A L Y

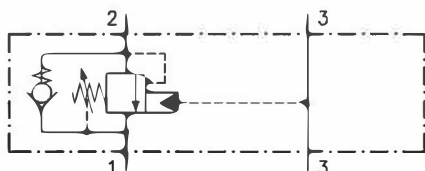
MOTION CONTROL
CROSS-LINE BODY

CMQ 50/..-PP

07.194

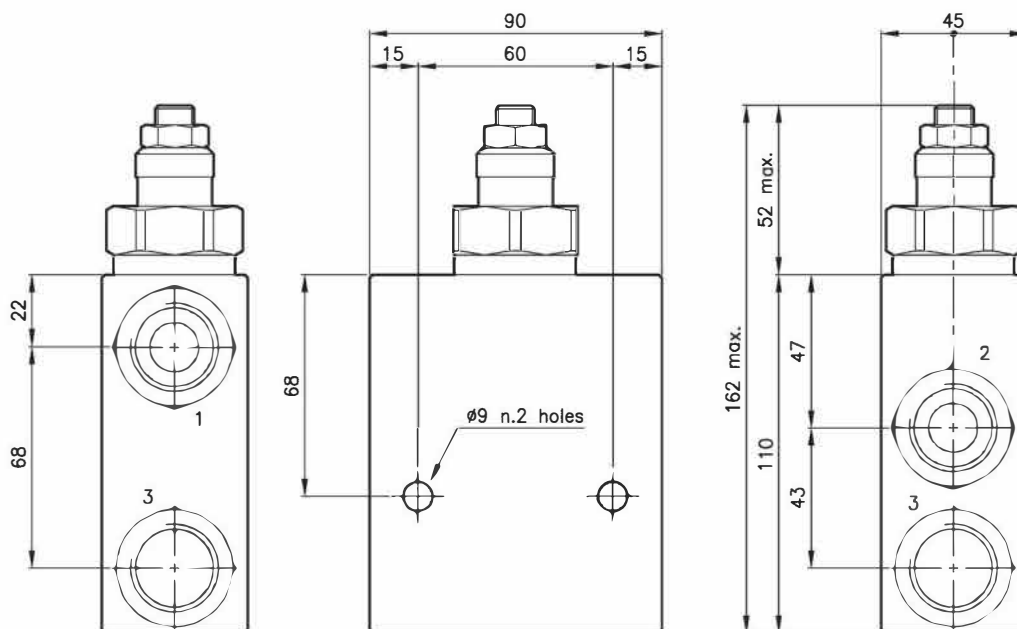
01.10

Technical features



Valve	(For features see catalogue 07.070)	CMQ 50
Max. flow	(l/min.)	90
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	1.700

Dimensions



Ordering informations

CMQ 50/T-L-PP-B12

CMQ 50 = Valve type

Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection

Version

Standard ports

B08 = G 1/2 ISO 228

B12 = G 3/4 ISO 228

Codes:

CMQ 50/D-L-PP-B08	54 011 122
CMQ 50/T-L-PP-B08	54 011 123
CMQ 50/D-L-PP-B12	54 011 124
CMQ 50/T-L-PP-B12	54 011 125

Only bodies code:

Body type 50-PP-B08	58 144 149
Body type 50-PP-B12	58 144 150

FLUCom
ITALY

DUAL MOTION CONTROL

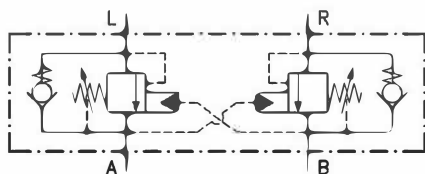
CROSS-LINE BODY

CMQ 30/..-CSL 25

07.200

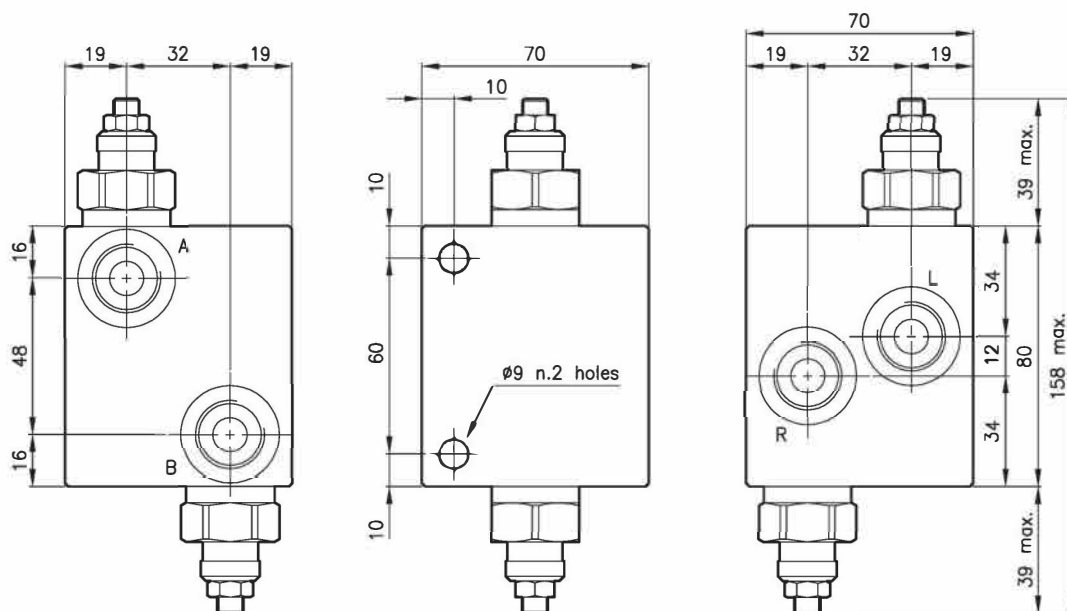
01.97

Technical features



Valve	(For features see catalogue 07.060)	CMQ 30
Max. flow	(l/min.)	50
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	1.210

Dimensions



Ordering informations

CMQ 30/T-L-CSL 25-B08

CMQ 30 = Valve type

Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection 

Version

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Codes:

CMQ 30/D-L-CSL 25-B06	34 011 106
CMQ 30/T-L-CSL 25-B06	34 011 107
CMQ 30/D-L-CSL 25-B08	34 011 108
CMQ 30/T-L-CSL 25-B08	34 011 109

Only bodies code:

Body type 30-CSL 25-B06	38 144 117
Body type 30-CSL 25-B08	38 144 118

FLUcom
ITALY

DUAL MOTION CONTROL

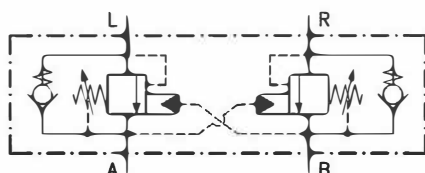
CROSS - LINE BODY

CMQ 50/..-CSL 25

07.210

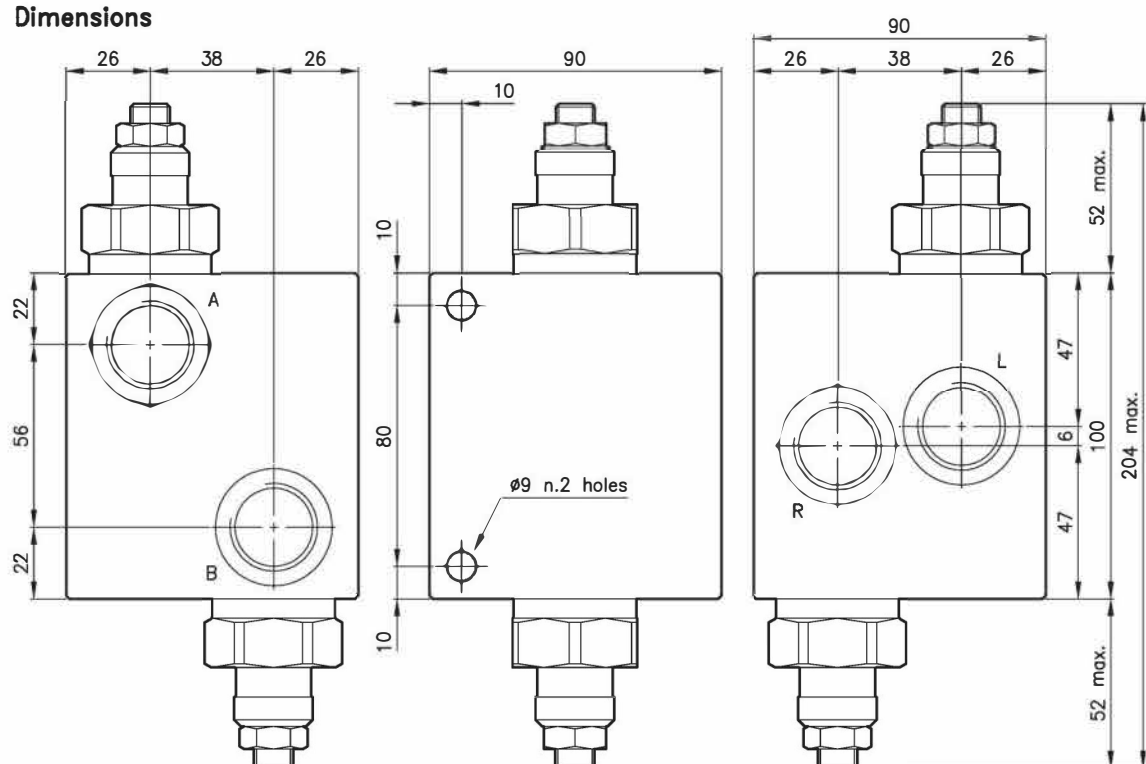
06.00

Technical features



Valve	(For features see catalogue 07.070)	CMQ 50
Max. flow	(l/min.)	90
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	3.300

Dimensions



Ordering informations

CMQ 50/T-L-CSL 25-B08

CMQ 50 = Valve type

Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection 

Version

Standard ports

B08 = G 1/2 ISO 228

B12 = G 3/4 ISO 228

Codes:

CMQ 50/D-L-CSL 25-B08	54 011 107
CMQ 50/T-L-CSL 25-B08	54 011 108
CMQ 50/D-L-CSL 25-B12	54 011 109
CMQ 50/T-L-CSL 25-B12	54 011 110

Only bodies code:

Body type 50-CSL 25-B08	58 144 134
Body type 50-CSL 25-B12	58 144 135

FLUcom
ITALY

DUAL MOTION CONTROL

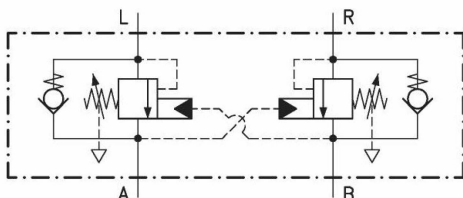
CROSS-LINE BODY

CMB 20/..-CSL 25

07.220

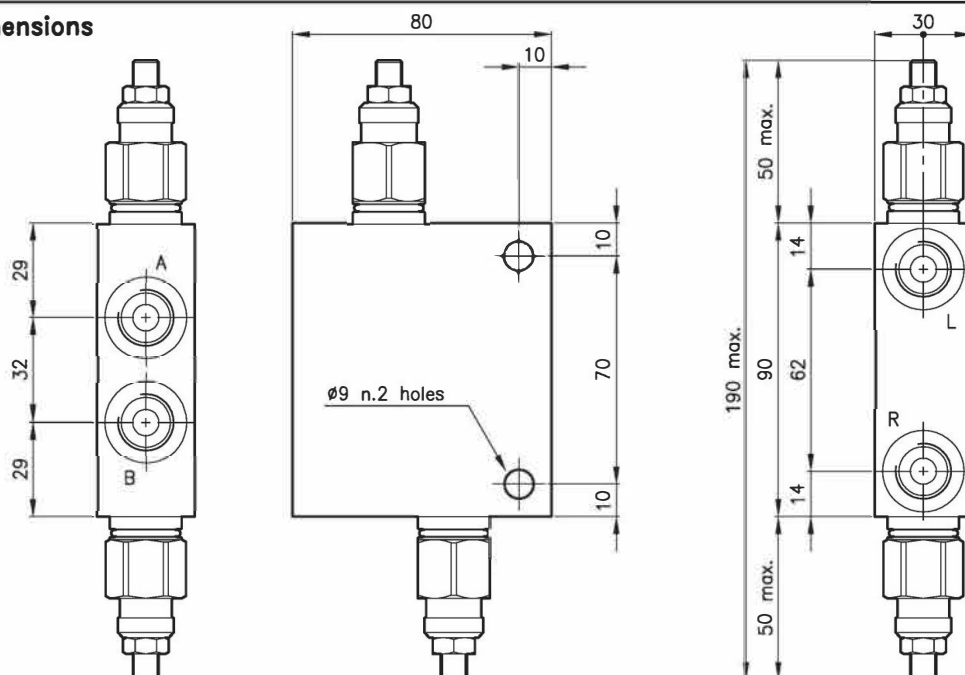
01.07

Technical features



Valve	(For features see catalogue 07.090)	CMB 20
Max. flow	(l/min.)	20
Max. system pressure	(bar)	270
Max. setting pressure	(bar)	320
Pilot ratio		3.75:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.900

Dimensions



Ordering informations

CMB 20/D-N-CSL 25-B06

CMB 20 = Valve type

Standard springs

Type Setting range

U = 25 - 125 bar

D = 50 - 205 bar

T = 105 - 320 bar

Factory set

70 bar

140 bar

280 bar

Adjustment type

N = Standard adjustment



Version

Standard ports

B05 = G 1/4 ISO 228

B06 = G 3/8 ISO 228

Codes:

CMB 20/U-N-CSL 25-B05 24 011 108

CMB 20/D-N-CSL 25-B05 24 011 109

CMB 20/T-N-CSL 25-B05 24 011 110

CMB 20/U-N-CSL 25-B06 24 011 111

CMB 20/D-N-CSL 25-B06 24 011 112

CMB 20/T-N-CSL 25-B06 24 011 113

Only bodies code:

Body type 20-CSL 25-B05 28 144 138

Body type 20-CSL 25-B06 28 144 139

FLUcom
ITALY

DUAL MOTION CONTROL

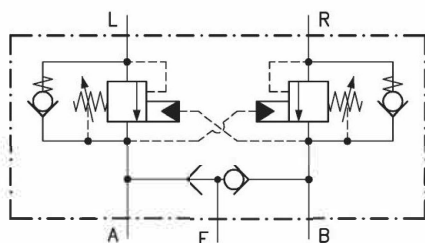
CROSS-LINE BODY

CMQ 30/..-CSL 26

07.240

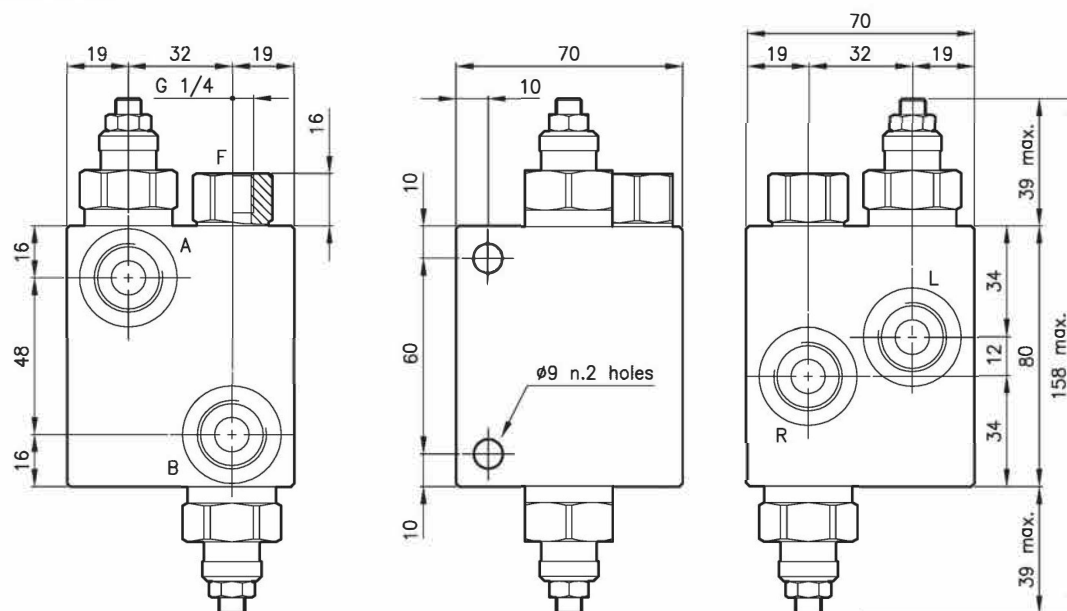
01.02

Technical features



Valve	(For features see catalogue 07.060)	CMQ 30
Valve	(For features see catalogue 05.320)	CCE 20
Max. flow	(l/min.)	50
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	1.210

Dimensions



Ordering informations

CMQ 30/T-L-CSL 26-B08

CMQ 30 = Valve type

Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection 

Version with shuttle valve

Standard ports

B06 = G 3/8 ISO 228

B08 = G 1/2 ISO 228

Codes:

CMQ 30/D-L-CSL 26-B06	34 011 143
CMQ 30/T-L-CSL 26-B06	34 011 144
CMQ 30/D-L-CSL 26-B08	34 011 145
CMQ 30/T-L-CSL 26-B08	34 011 146

Only bodies code:

Body type 30-CSL 26-B06	38 144 197
Body type 30-CSL 26-B08	38 144 198

FLUCOM
ITALY

DUAL MOTION CONTROL

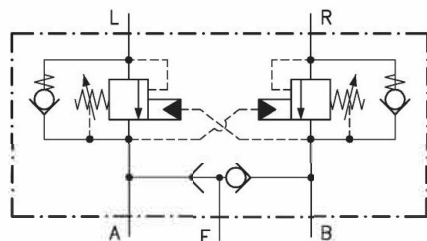
CROSS - LINE BODY

CMQ 50/..-CSL 26

07.250

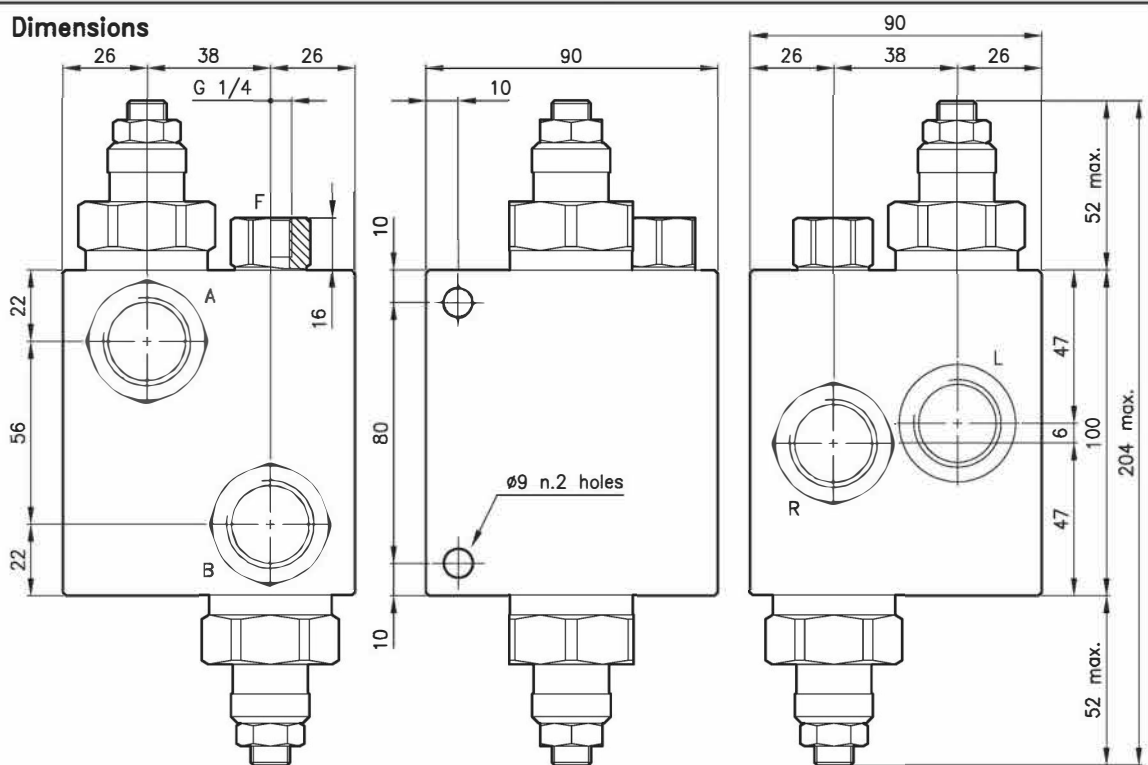
01.02

Technical features



Valve	(For features see catalogue 07.070)	CMQ 50
Valve	(For features see catalogue 05.320)	CCE 20
Max. flow	(l/min.)	90
Max. system pressure	(bar)	315
Max. setting pressure	(bar)	420
Pilot ratio		8:1
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	3.300

Dimensions



Ordering informations

CMQ 50/T-L-CSL 26-B08

CMQ 50 = Valve type

Standard springs

Type	Setting range	Factory set
D	25 - 125 bar	105 bar
T	105 - 420 bar	280 bar

Adjustment type

L = Adjustment with overset protection 

Version with shuttle valve 

Standard ports

B08 = G 1/2 ISO 228

B12 = G 3/4 ISO 228

Codes:

CMQ 50/D-L-CSL 26-B08	54 011 111
CMQ 50/T-L-CSL 26-B08	54 011 112
CMQ 50/D-L-CSL 26-B12	54 011 113
CMQ 50/T-L-CSL 26-B12	54 011 114

Only bodies code:

Body type 50-CSL 26-B08	58 144 138
Body type 50-CSL 26-B12	58 144 139