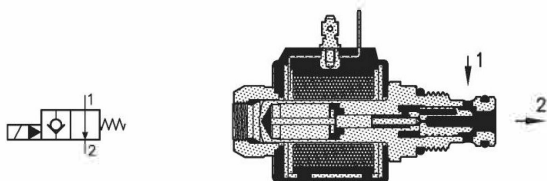
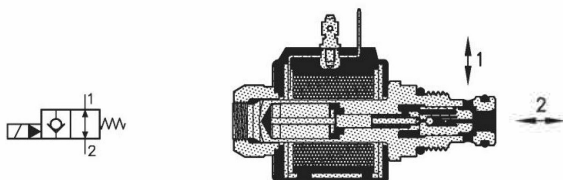
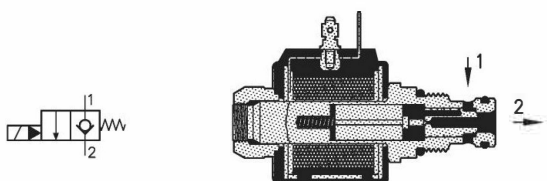
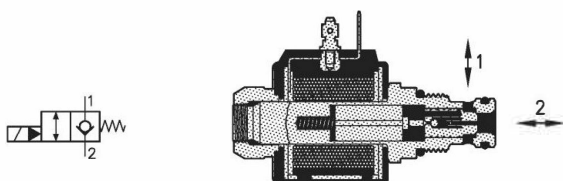


Pilot operated solenoid valves poppet-type (210 bar).

These are two-ways pilot operated solenoid valves with conical poppet-type, manufactured in several sizes and with different circuits. They can be used in applications where leakages are not allowed.

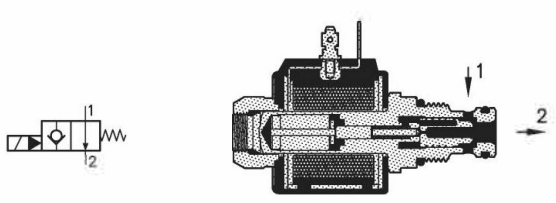
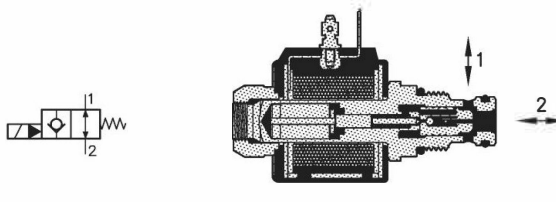
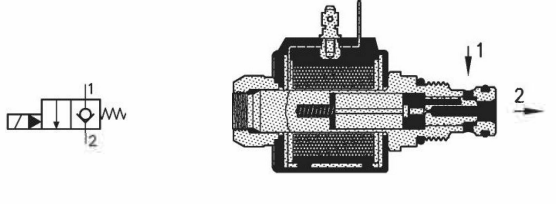
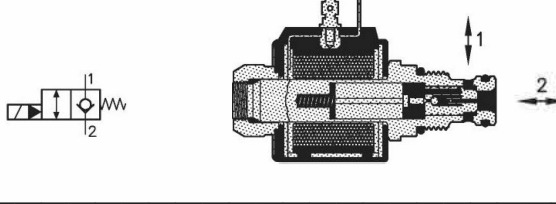
The ECP series, which uses 18 Watt low power coils, is suitable for working at max. pressure of 210 bar.

The duty current coils (12-24 Volt) can be directly fed; otherwise for alternate current coils (24-110-220 Volt 50/60 Hz) a connector with rectifier bridge is required, which can be supplied on request.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
ECP../22C1 series – unidirectional type. Normally open, they stop the flow passage from 1 to 2 when energized; the reverse flow is not allowed. 	ECP 20/22C1	30	210	08.010
	ECP 30/22C1	50	210	08.020
	ECP 50/22C1	90	210	08.030
ECP../22B1 series – bidirectional type. Normally open, they stop the flow passage from 1 to 2 when energized; the reverse flow is allowed in any condition. 	ECP 20/22B1	30	210	08.010
	ECP 30/22B1	50	210	08.020
	ECP 50/22B1	90	210	08.030
ECP../22C2 series – unidirectional type. Normally closed, they allow the flow passage from 1 to 2 when energized; the reverse flow is allowed only with de-energized coil. 	ECP 20/22C2	30	210	08.010
	ECP 30/22C2	50	210	08.020
	ECP 50/22C2	90	210	08.030
ECP../22B2 series – bidirectional type. Normally closed, they allow the flow passage from 1 to 2 when energized; the reverse flow is allowed in any condition. 	ECP 20/22B2	30	210	08.010
	ECP 30/22B2	50	210	08.020
	ECP 50/22B2	90	210	08.030

Pilot operated solenoid valves poppet-type (350 bar).

These are two-way pilot operated solenoid valves with conical poppet-type, manufactured in several sizes and with different circuits. They can be used in applications where leakages are not allowed.
The EPP series, which uses 28 Watt power coils, is suitable for working till 350 bar.
The duty current coils (12-24 Volt) can be directly fed; otherwise for alternate current coils (20-110-220 Volt 50/60 Hz) a connector with rectifier bridge is required, which can be supplied on request.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
EPP../22C1 series – unidirectional type. Normally open, they stop the flow passage from 1 to 2 when energized; the reverse flow is not allowed. 	EPP 30/22C1	60	350	08.040
	EPP 50/22C1	100	350	08.050
	EPP 70/22C1	200	350	08.060
EPP../22B1 series – bidirectional type. Normally open, they stop the flow passage from 1 to 2 when energized; the reverse flow is allowed in any condition. 	EPP 30/22B1	60	350	08.040
	EPP 50/22B1	100	350	08.050
	EPP 70/22B1	200	350	08.060
EPP../22C2 series – unidirectional type. Normally closed, they allow the flow passage from 1 to 2 when energized; the reverse flow is allowed only with de-energized coil. 	EPP 30/22C2	60	350	08.040
	EPP 50/22C2	100	350	08.050
	EPP 70/22C2	200	350	08.060
EPP../22B2 series – bidirectional type. Normally closed, they allow the flow passage from 1 to 2 when energized; the reverse flow is allowed in any condition. 	EPP 30/22B2	60	350	08.040
	EPP 50/22B2	100	350	08.050
	EPP 70/22B2	200	350	08.060

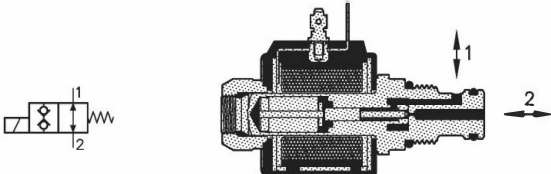
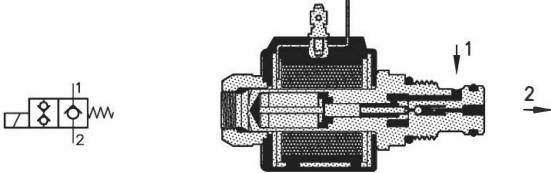
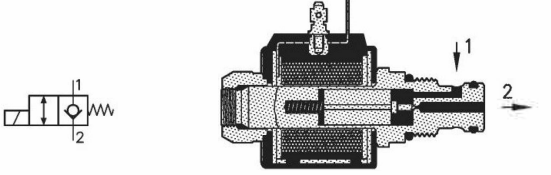
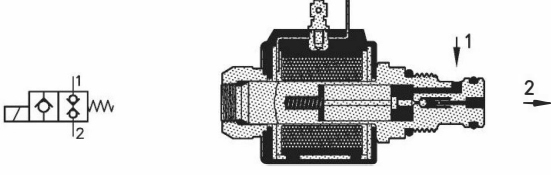
08_001

Pilot solenoid valves poppet-type (210 bar).

These are two-way direct solenoid valves with conical poppet-type, manufactured only in size 20 and with different circuits; are mainly used as pilot valves in oiltight systems.

The ECD 20 series, which uses 18 Watt low power coils, is suitable for working at max. pressure of 210 bar.

The duty current coils (12-24 Volt) can be directly fed; otherwise for alternate current coils (20-110-220 Volt 50/60 Hz) a connector with rectifier bridge is required, which can be supplied on request.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
22B1 series – bidirectional type. On rest position, they allow free passage and stop it in both directions when energized. 	ECD 20/22B1	1.2	210	08.070
22U1 series – unidirectional type. Normally open, they allow flow passage from 1 to 2; when energized they stop it in both directions. 	ECD 20/22U1	1.2	210	08.070
22B2 series – bidirectional type. Normally closed, when energized they allow flow passage in both directions. The flow from 2 to 1 is allowed only high pressure (see catalogue). 	ECD 20/22B2	1.2	210	08.070
22U2 series – unidirectional type. Normally closed, when energized they allow flow passage from 1 to 2 and stop the reverse flow in any condition. 	ECD 20/22U2	1.2	210	08.070

08_002

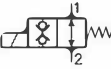
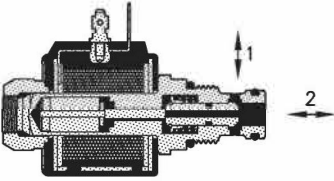
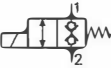
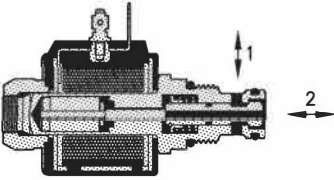
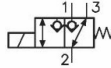
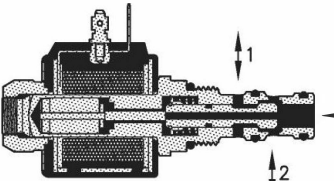
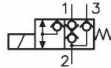
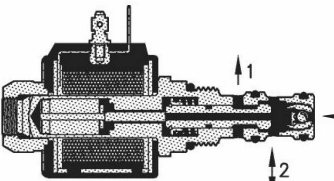
08

Direct acting solenoid valves dual poppet-type.

These are two and three way direct acting valves with conical poppet-type, manufactured in sizes 20–30 and 50 and in several circuit; are used in applications where leakages are not allowed.

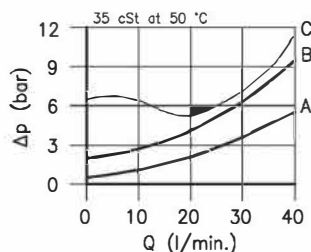
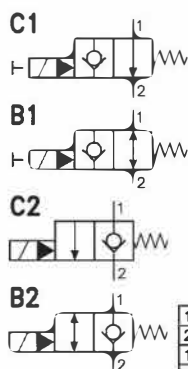
The solenoid ECD series utilize power coils and are suitable for working till 315 bar.

The duty current coils (12–24 Volt) can be directly fed; otherwise for alternate current coils (24–110–220 Volt 50/60 Hz) a connector with rectifier bridge is required, which can be supplied on request.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
ECD../2201 series – bidirectional type. Normally open, when energized they stop the flow passage in both directions.				
 	ECD 30/2201	20	315	08.080
ECD../2202 series – bidirectional type. Normally closed in both directions, when energized they allow the flow free passage.				
 	ECD 20/2202	10	210	08.075
	ECD 30/2202	25	315	08.080
	ECD 50/2202	50	315	08.090
ECD../3204 series – switching over type. They allow to switch over the flow, tight insulating chamber 1 or 3 by turns. The flow is allowed in all directions.				
 	ECD 20/3204	5	210	08.095
	ECD 30/3204	25	315	08.100
ECD../3204S series. Normally closed, they allow to drive a simple effect cylinder connecting 3 with pump, 2 with cylinder and 1 with return line (T).				
 	ECD 30/3204S	20	315	08.100

08_003

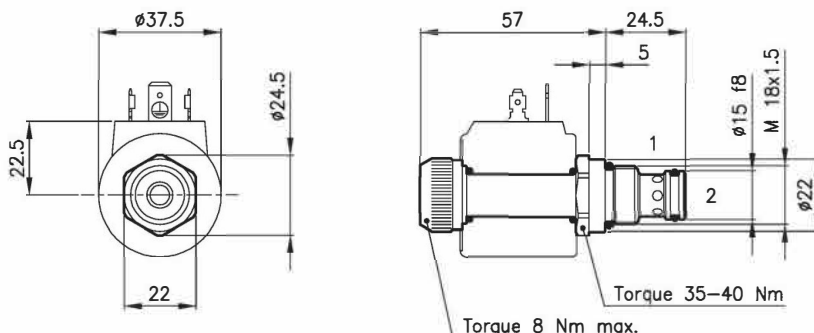
Technical features



	22C1	22B1	22C2	22B2
1 → 2 De-en.	curve A	curve A	not allowed	not allowed
2 → 1 De-en.	not allowed	curve A	curve B	curve B
1 → 2 Energ.	not allowed	not allowed	curve A	curve A
2 → 1 Energ.	curve C	curve C	not allowed	curve A

Cavity	(For dimensions see catalogue 17.000)	S 20/2
Max. flow	(l/min.)	30
Max. pressure	(bar)	210
Response time	(ms)	80 - 120 (Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.120
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

ECP 20/22C1-MO

ECP 20/22.. = Valve type



Circuits



MO = Manual override (Only C1 and B1 version)
(Omit if not request)

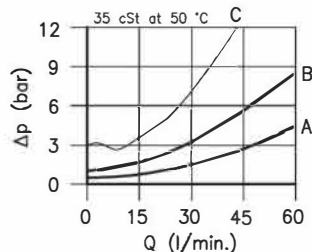
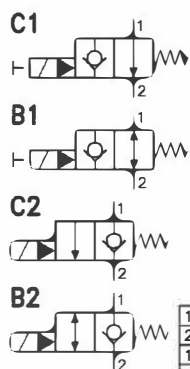
Codes:

ECP 20/22C1	25 011 100
ECP 20/22C1-MO	25 011 148
ECP 20/22B1	25 011 101
ECP 20/22B1-MO	25 011 149
ECP 20/22C2	25 011 102
ECP 20/22B2	25 011 103
External seals kit	90 620 100

ECP 20/22.. valves can be assembled on standard bodies 20-L0 series; for dimensions see catalogue 16.010

On the ECP 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

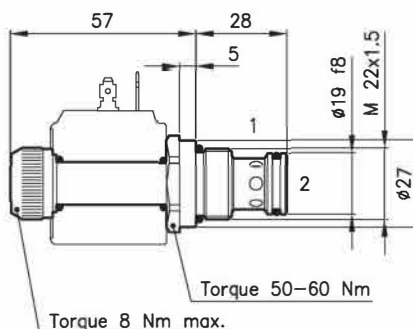
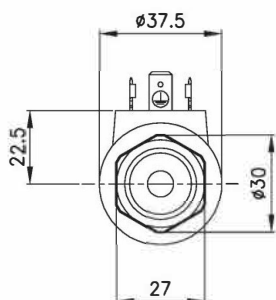
Technical features



	22C1	22B1	22C2	22B2
1 → 2 De-en.	curve A	curve A	not allowed	not allowed
2 → 1 De-en.	not allowed	curve A	curve B	curve B
1 → 2 Energ.	not allowed	not allowed	curve A	curve A
2 → 1 Energ.	curve C	curve C	not allowed	curve A

Cavity	(For dimensions see catalogue 17.000)	S 30/2
Max. flow	(l/min.)	50
Max. pressure	(bar)	210
Response time	(ms)	80 - 120 (Mean value)
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 absolute)		
Standard seals in Polyurethane and Buna N		

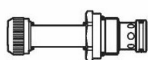
Dimensions



Ordering informations

ECP 30/22C1-MO

ECP 30/22.. = Valve type



Circuits



MO = Manual override (Only C1 and B1 version)
(Omit if not request)

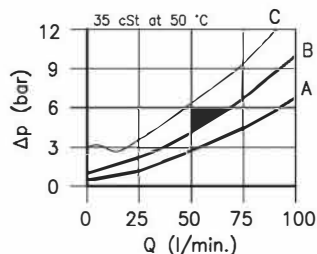
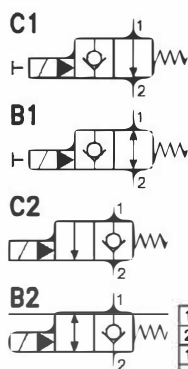
Codes:

ECP 30/22C1	35 011 112
ECP 30/22C1-MO	35 011 228
ECP 30/22B1	35 011 111
ECP 30/22B1-MO	35 011 229
ECP 30/22C2	35 011 102
ECP 30/22B2	35 011 101
External seals kit	90 620 103

ECP 30/22.. valves can be assembled on standard bodies 30-L0 series; for dimensions see catalogue 16.010

On the ECP 30 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

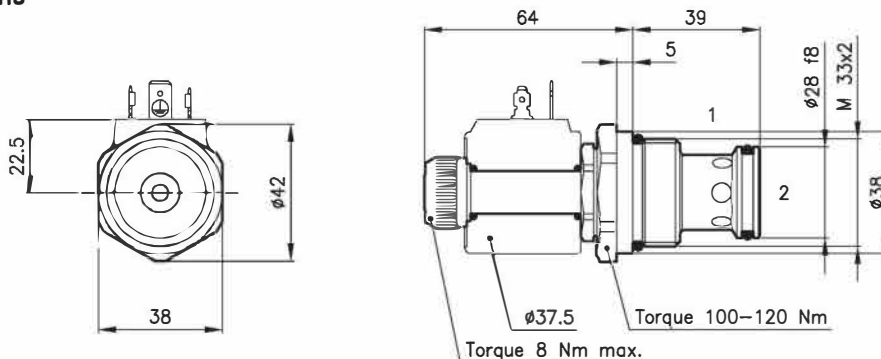
Technical features



	22C1	22B1	22C2	22B2
1 → 2 De-en.	curve A	curve A	not allowed	not allowed
2 → 1 De-en.	not allowed	curve A	curve B	curve B
1 → 2 Energ.	not allowed	not allowed	curve A	curve A
2 → 1 Energ.	curve C	curve C	not allowed	curve A

Cavity	(For dimensions see catalogue 17.000)	S 50/2
Max. flow	(l/min.)	90
Max. pressure	(bar)	210
Response time	(ms)	80 - 120 (Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid 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		

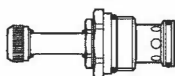
Dimensions



Ordering informations

ECP 50/22C1-MO

ECP 50/22.. = Valve type



Circuits



MO = Manual override (Only C1 and B1 version)
 (Omit if not request)

Codes:

ECP 50/22C1	55 011 105
ECP 50/22C1-MO	55 011 158
ECP 50/22B1	55 011 104
ECP 50/22B1-MO	55 011 159
ECP 50/22C2	55 011 107
ECP 50/22B2	55 011 106
External seals kit	90 620 106

ECP 50/22.. valves can be assembled on standard bodies 50-L0 series; for dimensions see catalogue 16.010

On the ECP 50 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

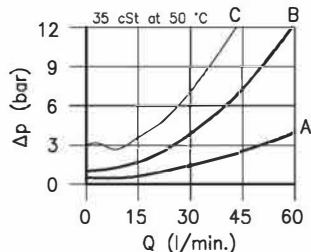
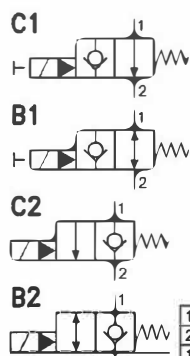
FLUCOM
ITALY

SOLENOID VALVES POPPET-TYPE DIRECTIONAL
EPP 30/22..
TWO WAY TWO POSITION

08.040

01.96

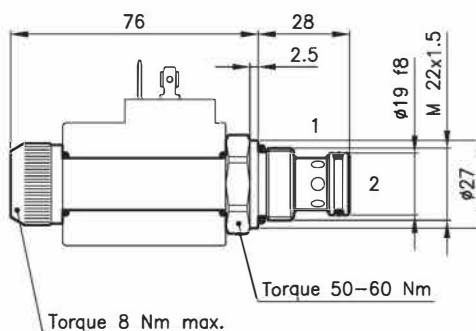
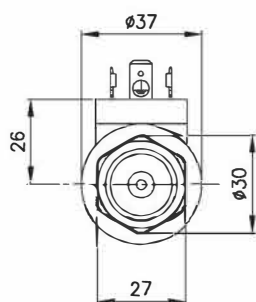
Technical features



	22C1	22B1	22C2	22B2
1 → 2 De-en.	curve A	curve A	not allowed	not allowed
2 → 1 De-en.	not allowed	curve A	curve B	curve B
1 → 2 Energ.	not allowed	not allowed	curve A	curve A
2 → 1 Energ.	curve C	curve C	not allowed	curve A

Cavity	(For dimensions see catalogue 17.000)	S 30/2
Max. flow	(l/min.)	60
Max. pressure	(bar)	350
Response time	(ms)	80 - 120 (Mean value)
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		

Dimensions



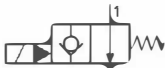
Ordering informations

EPP 30/22C1-MO

EPP 30/22.. = Valve type



Circuits

22C1 = 

22B1 = 

22C2 = 

22B2 = 

MO = Manual override (Only C1 and B1 version)
(Omit if not request)

Codes:

EPP 30/22C1	35 011 110
EPP 30/22C1-MO	35 011 109
EPP 30/22B1	35 011 108
EPP 30/22B1-MO	35 011 107
EPP 30/22C2	35 011 115
EPP 30/22B2	35 011 114
External seals kit	90 620 103

EPP 30/22.. valves can be assembled on standard bodies 30-L0 series; for dimensions see catalogue 16.010

On the EPP 30 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

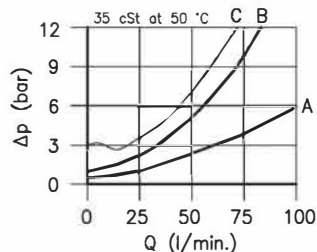
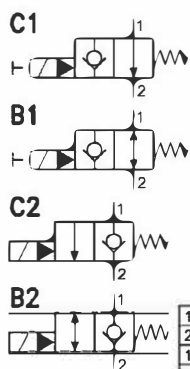
FLUcom
ITALY

SOLENOID VALVES POPPET-TYPE DIRECTIONAL
EPP 50/22..
TWO WAY TWO POSITION

08.050

01.96

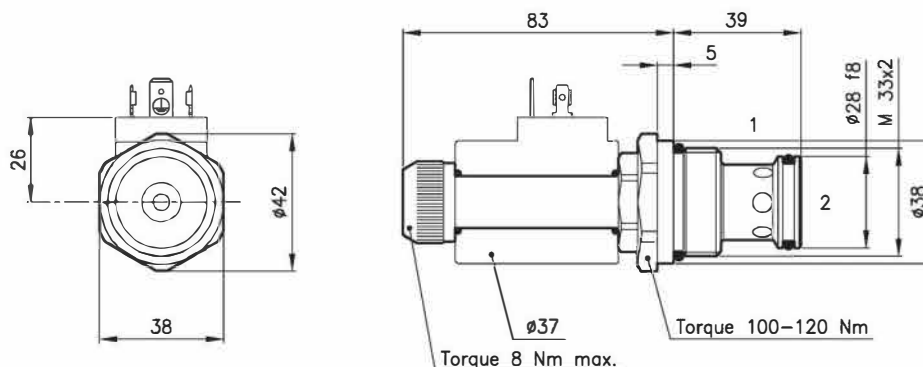
Technical features



	22C1	22B1	22C2	22B2
1 → 2 De-en.	curve A	curve A	not allowed	not allowed
2 → 1 De-en.	not allowed	curve A	curve B	curve B
1 → 2 Energ.	not allowed	not allowed	curve A	curve A
2 → 1 Energ.	curve C	curve C	not allowed	curve A

Cavity	(For dimensions see catalogue 17.000)	S 50/2
Max. flow	(l/min.)	100
Max. pressure	(bar)	350
Response time	(ms)	80 - 120 (Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.420
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		

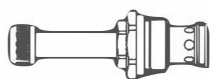
Dimensions



Ordering informations

EPP 50/22C1-MO

EPP 50/22.. = Valve type



Circuits

22C1 = 

22B1 = 

22C2 = 

22B2 = 

MO = Manual override (Only C1 and B1 version)
(Omit if not request)

Codes:

EPP 50/22C1	55 011 103
EPP 50/22C1-MO	55 011 102
EPP 50/22B1	55 011 101
EPP 50/22B1-MO	55 011 100
EPP 50/22C2	55 011 109
EPP 50/22B2	55 011 108
External seals kit	90 620 106

EPP 50/22.. valves can be assembled on standard bodies 50-L0 series; for dimensions see catalogue 16.010

On the EPP 50 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

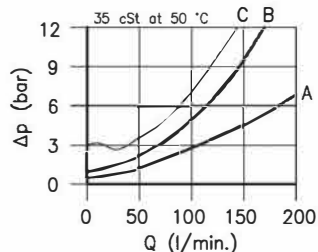
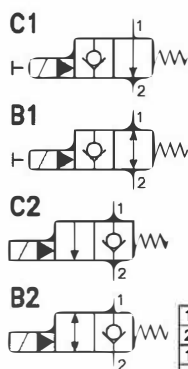
FLUcom
ITALY

SOLENOID VALVES POPPET-TYPE DIRECTIONAL
EPP 70/22..
TWO WAY TWO POSITION

08.060

01.96

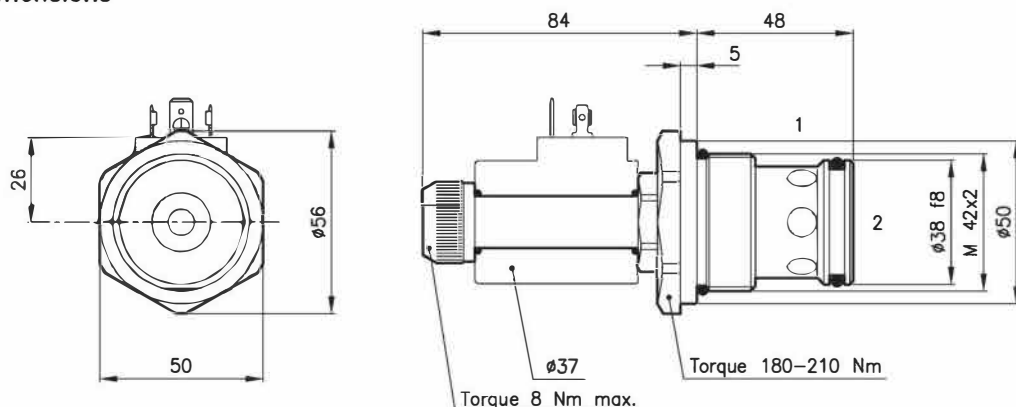
Technical features



	22C1	22B1	22C2	22B2
1 → 2 De-en.	curve A	curve A	not allowed	not allowed
2 → 1 De-en.	not allowed	curve A	curve B	curve B
1 → 2 Energ.	not allowed	not allowed	curve A	curve A
2 → 1 Energ.	curve C	curve C	not allowed	curve A

Cavity	(For dimensions see catalogue 17.000)	S 70/2
Max. flow	(l/min.)	200
Max. pressure	(bar)	350
Response time	(ms)	80 - 120 (Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.680
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		

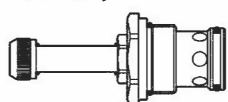
Dimensions



Ordering informations

EPP 70/22C1-MO

EPP 70/22.. = Valve type



Circuits



MO = Manual override (Only C1 and B1 version)
(Omit if not request)

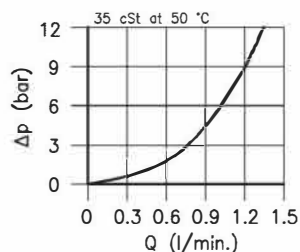
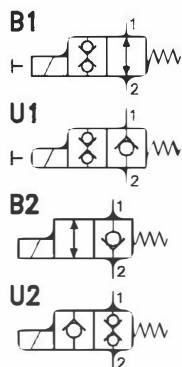
Codes:

EPP 70/22C1	75 011 103
EPP 70/22C1-MO	75 011 102
EPP 70/22B1	75 011 101
EPP 70/22B1-MO	75 011 100
EPP 70/22C2	75 011 105
EPP 70/22B2	75 011 104
External seals kit	90 620 109

EPP 70/22.. valves can be assembled on standard bodies 70-L0 series; for dimensions see catalogue 16.010

On the EPP 70 valves must be assembled the Coils B30 valves; for dimensions, features and codes see catalogues 09.900 and 09.901.

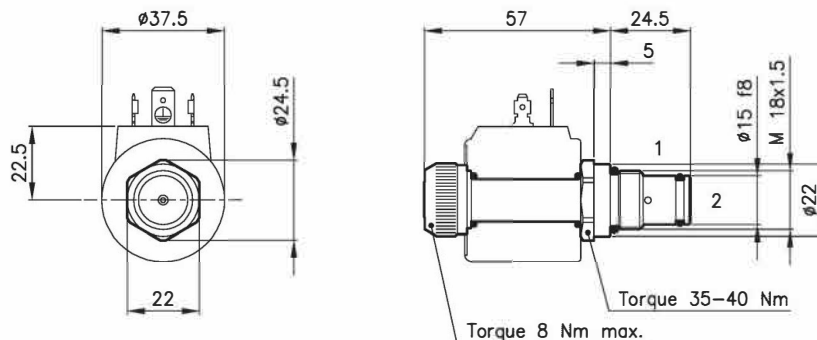
Technical features



In B2 version the flow from 2 to 1 needs a pressure about 180 bar.

Cavity	(For dimensions see catalogue 17.000)	S 20/2
Max. flow	(l/min.)	1.2
Max. pressure	(bar)	210
Response time	(ms)	20 - 40 (Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.120
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		

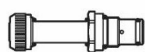
Dimensions



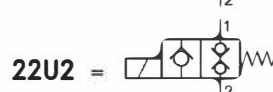
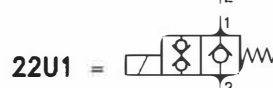
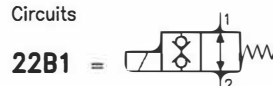
Ordering informations

ECD 20/22U1-MO

ECD 20/22.. = Valve type



Circuits



MO = Manual override (Only B1 and U1 version)
 (Omit if not request)

Codes:

ECD 20/22B1	25 011 109
ECD 20/22B1-MO	25 011 147
ECD 20/22U1	25 011 120
ECD 20/22U1-MO	25 011 146
ECD 20/22B2	25 011 104
ECD 20/22U2	25 011 105
External seals kit	90 620 100

ECD 20/22.. valves can be assembled on standard bodies 20-L0 series; for dimensions see catalogue 16.010

On the ECD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

FLUcom
ITALY

SOLENOID VALVES POPPET-TYPE DIRECTIONAL

TWO WAY TWO POSITION

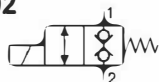
ECD 20/22..

08.075

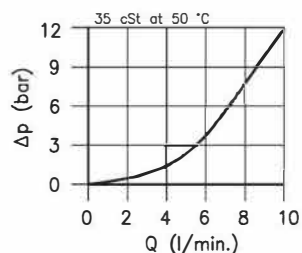
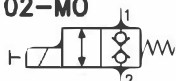
01.97

Technical features

02

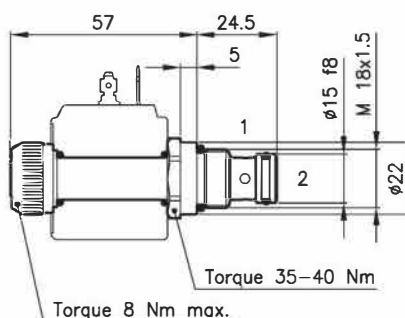
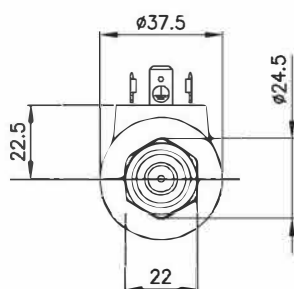


02-MO



Cavity	(For dimensions see catalogue 17.000)	S 20/2
Max. flow	(l/min.)	10
Max. pressure	(bar)	210
Response time	(ms)	20 - 40
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.120
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



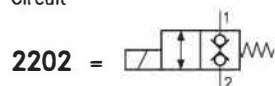
Ordering informations

ECD 20/2202-MO

ECD 20/22.. = Valve type



Circuit



MO = Manual override
(Omit if not request)

Codes:

ECD 20/2202 25 011 129

ECD 20/2202-MO 25 011 133

External seals kit 90 620 100

ECD 20/22.. valves can be assembled on standard bodies 20-L0 series; for dimensions see catalogue 16.010

On the ECD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

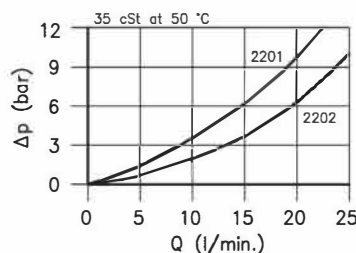
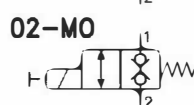
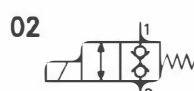
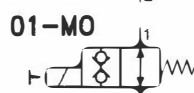
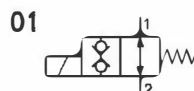
FLUCOM
ITALY

SOLENOID VALVES POPPET-TYPE DIRECTIONAL
ECD 30/22..
TWO WAY TWO POSITION

08.080

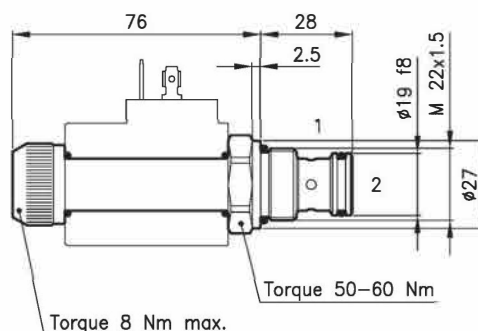
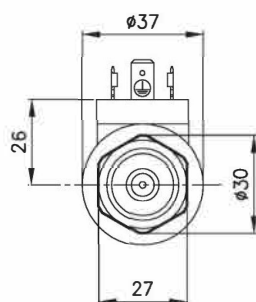
01.96

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/2
Max. flow	01/01-MO (l/min.)	20
Max. flow	02/02-MO (l/min.)	25
Max. pressure	(bar)	315
Response time	(ms)	30 - 60
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
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		

Dimensions



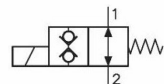
Ordering informations

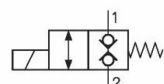
ECD 30/2202-MO

ECD 30/22.. = Valve type



Circuits

2201 = 

2202 = 

MO = Manual override
(Omit if not request)

Codes:

ECD 30/2201	35 011 129
ECD 30/2201-MO	35 011 145
ECD 30/2202	35 011 117
ECD 30/2202-MO	35 011 131
External seals kit	90 620 103

ECD 30/22.. valves can be assembled on standard bodies 30-L0 series; for dimensions see catalogue 16.010

On the ECD 30 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

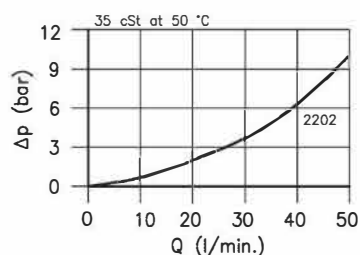
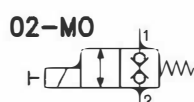
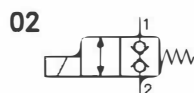
FLUcom
ITALY

SOLENOID VALVES POPPET-TYPE DIRECTIONAL
TWO WAY TWO POSITIONS ECD 50/22..

08.090

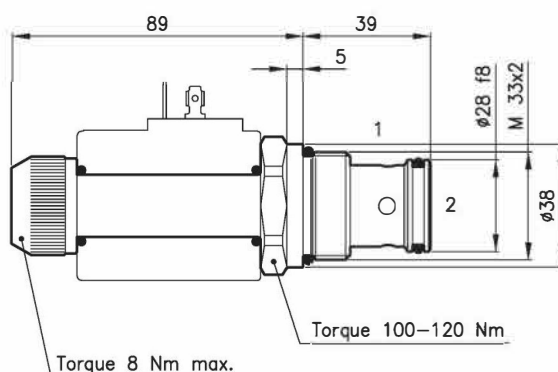
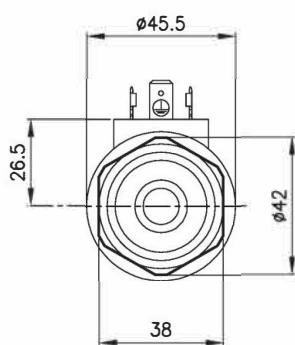
01.02

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 50/2
Max. flow	02/02-MO (l/min.)	50
Max. pressure	(bar)	315
Response time	(ms)	40 - 80 (Mean value)
It change in function of circuit, pressure, flow and fluid viscosity.		
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.460
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		

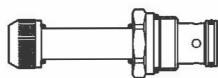
Dimensions



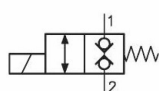
Ordering informations

ECD 50/2202-MO

ECD 50/22.. = Valve type



Circuits

2202 = 

MO = Manual override
(Omit if not request)

Codes:

ECD 50/2202	55 011 113
ECD 50/2202-MO	55 011 114
External seals kit	90 620 106

ECD 50/22.. valves can be assembled on standard bodies 50-L0 series; for dimensions see catalogue 16.010

On the ECD 50 valves must be assembled the Coils 850 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

FLUcom
ITALY

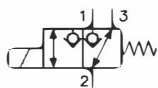
SOLENOID VALVES POPPET-TYPE DIRECTIONAL
ECD 20/32..
THREE WAY TWO POSITION

08.095

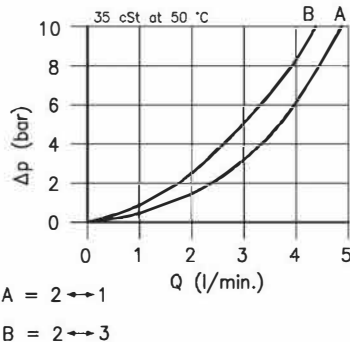
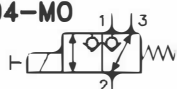
01.97

Technical features

04

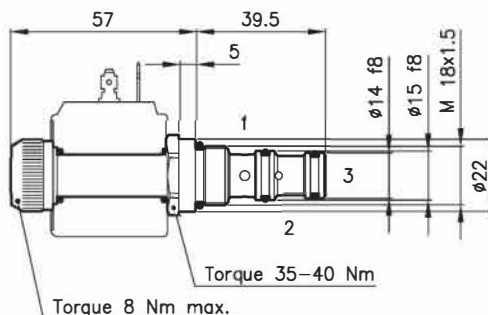
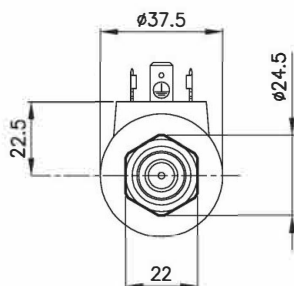


04-MO



Cavity	(For dimensions see catalogue 17.000)	S 20/3
Max. flow	(l/min.)	5
Max. pressure	(bar)	210
Response time	(ms)	20 - 40 (Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(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

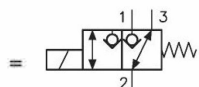
ECD 20/3204-MO

ECD 20/32.. = Valve type



Circuits

3204



MO = Manual override
(Omit if not request)

Codes:

ECD 20/3204	25 011 156
ECD 20/3204-MO	25 011 157
External seals kit	90 620 101

ECD 20/32.. valves can be assembled on standard bodies 20-C3 series; for dimensions see catalogue 16.010

On the ECD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

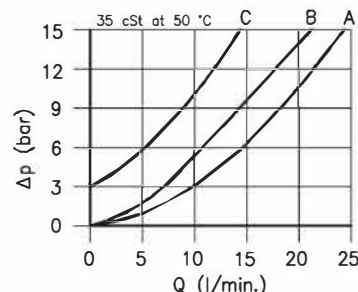
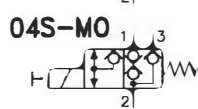
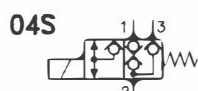
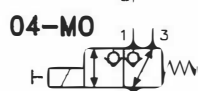
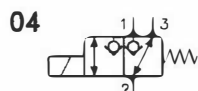
FLUCom
ITALY

SOLENOID VALVES POPPET-TYPE DIRECTIONAL
ECD 30/32..
THREE WAY TWO POSITION

08.100

01.02

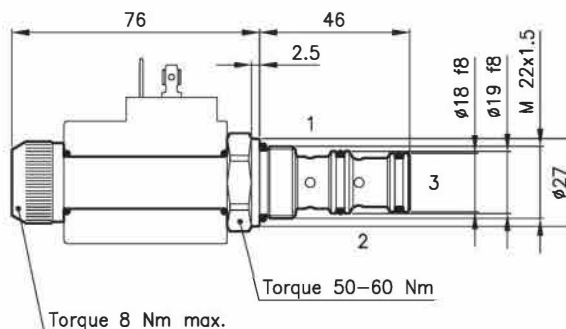
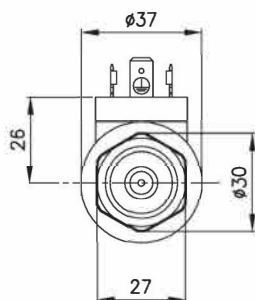
Technical features



A = 2 → 1 (3204)
B = 2 → 3 (3204) 2 → 1 (3204S)
C = 3 → 2 (Q max. 15 l/min.)

Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. flow	3204/3204-MO (l/min.)	25
Max. flow	3204S/3204S-MO (l/min.)	20
Max. pressure	(bar)	315
Response time	(ms)	30 - 60
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
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)		
Standard seals in Polyurethane and Buna N		

Dimensions



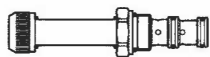
Torque 8 Nm max.

Torque 50-60 Nm

Ordering informations

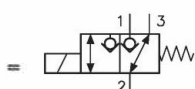
ECD 30/3204-MO

ECD 30/32.. = Valve type

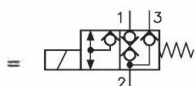


Circuits

3204



3204S



MO = Manual override
(Omit if not request)

Codes:

ECD 30/3204	35 011 126
ECD 30/3204-MO	35 011 127
ECD 30/3204S	35 011 148
ECD 30/3204S-MO	35 011 147
External seals kit	90 620 104

ECD 30/32.. valves can be assembled on standard bodies 30-C3 series; for dimensions see catalogue 16.010

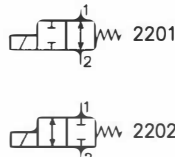
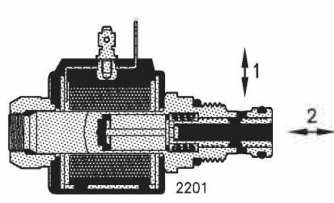
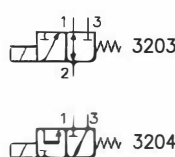
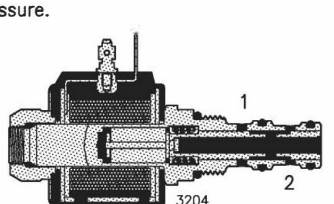
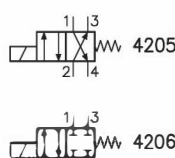
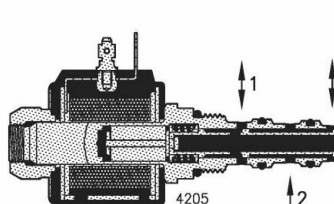
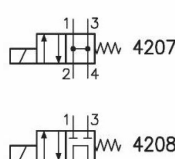
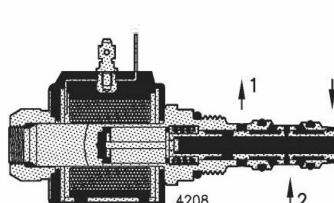
On the ECD 30 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

Single solenoid valves.

They are simple solenoid valves with two, three and four way, manufactured in sizes 20, 30 and 50 and in several circuits, are used in compact applications settled in manifolds.

The solenoid ETD series utilize power coils and are suitable for working till 315 bar.

The duty current coils (12-24 Volt) can be directly fed; otherwise for alternate current coils (24-110-220 Volt 50/60 Hz) a connector with rectifier bridge is required, which can be supplied on request.

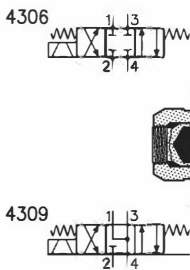
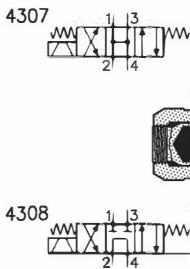
Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
ETD../22.. series – two-ways type. Normally open or closed, have better performances with flow from 1 to 2, in the opposite direction it's necessary to limit flow.  	ETD 20/2201	15	210	09.010
	ETD 30/2201	30	315	09.020
	ETD 50/2201	60	315	09.030
	ETD 20/2202	15	210	09.010
	ETD 30/2202	30	315	09.020
	ETD 50/2202	60	315	09.030
ETD../32.. series – three-way type. Manufactured with two different circuits in order to obtain highest performances. With flow direction opposit to symbols it's necessary to limit flow and max. pressure.  	ETD 20/3203	15	210	09.040
	ETD 30/3203	30	315	09.050
	ETD 50/3203	60	315	09.060
	ETD 20/3204	15	210	09.040
	ETD 30/3204	30	315	09.050
	ETD 50/3204	60	315	09.060
ETD../42.. series – four-way type centre closed.  	ETD 20/4205	15	315	09.070
	ETD 30/4205	30	315	09.080
	ETD 50/4205	60	315	09.090
	ETD 20/4206	15	315	09.070
	ETD 30/4206	30	315	09.080
	ETD 50/4206	60	315	09.090
ETD../42.. series – four-way type centre open.  	ETD 20/4207	12	315	09.100
	ETD 30/4207	25	315	09.110
	ETD 50/4207	45	315	09.120
	ETD 20/4208	12	315	09.100
	ETD 30/4208	25	315	09.110
	ETD 50/4208	45	315	09.120

Duble solenoid valves.

They are duple solenoid valves with four-way and three-positions, manufactured in sizes 20, 30 and 50 and in several circuits; are used in pilot systems and compact applications settled in manifolds.

The solenoid ETD series utilize power coils and are suitable for working till 315 bar.

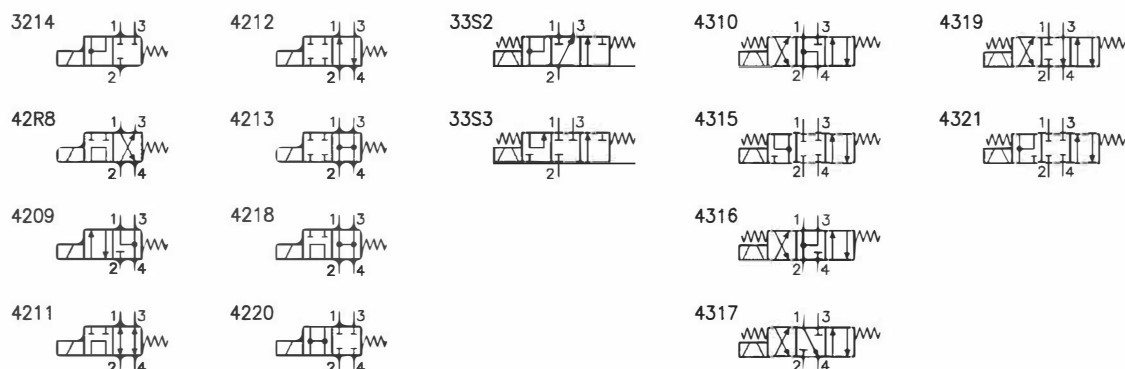
The duty current coils (12-24-27 Volt) can be directly fed; otherwise for alternate current coils (24-110-220 Volt 50/60 Hz) a connector with rectifier bridge is required, which can be supplied on request.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
ETD../43.. series – four-way type centre closed. 	ETD 20/4306	15	315	09.130
	ETD 30/4306	30	315	09.140
	ETD 50/4306	60	315	09.150
	ETD 20/4309	15	315	09.130
	ETD 30/4309	30	315	09.140
	ETD 50/4309	60	315	09.150
ETD../43.. series – four-way type centre open. 	ETD 20/4307	12	315	09.160
	ETD 30/4307	25	315	09.170
	ETD 50/4307	45	315	09.180
	ETD 20/4308	12	315	09.160
	ETD 30/4308	25	315	09.170
	ETD 50/4308	45	315	09.180

Circuits available on request.

On Customers request, solenoid valves with not standard circuits can be supplied.

The circuits under mentioned are models already manufactured.



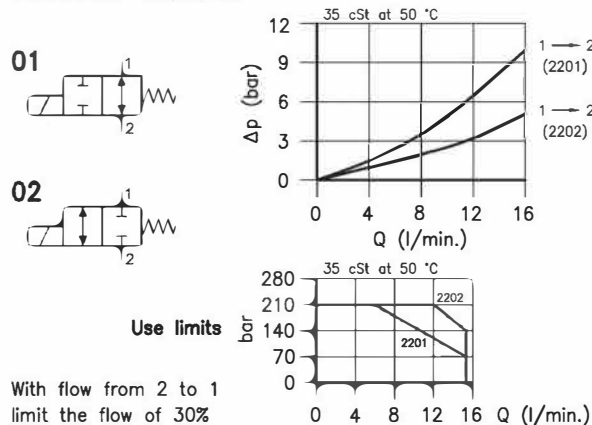
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
ETD 20/22..
TWO WAY TWO POSITION

09.010

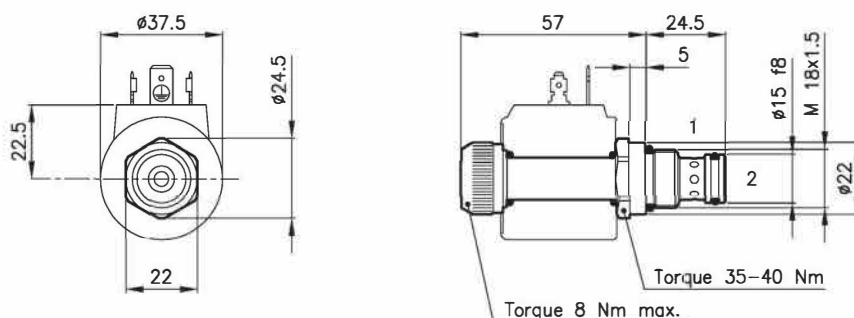
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 20/2
Max. flow	(With flow from 1 to 2) (l/min.)	15
Max. pressure	(bar)	210
Max. leakage	(cm ³ /min.)	20
Response time	(ms)	20 - 40 (Mean value)
It change in function of circuit, pressure, flow and fluid viscosity.		
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.120
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



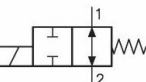
Ordering informations

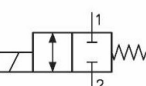
ETD 20/2201

ETD 20/22.. = Valve type



Circuits

2201 = 

2202 = 

Codes:

ETD 20/2201 25 011 113

ETD 20/2202 25 011 110

External seals kit 90 620 100

ETD 20/22.. valves can be assembled on standard bodies 20-L0 series; for dimensions see catalogue 16.010

On the ETD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

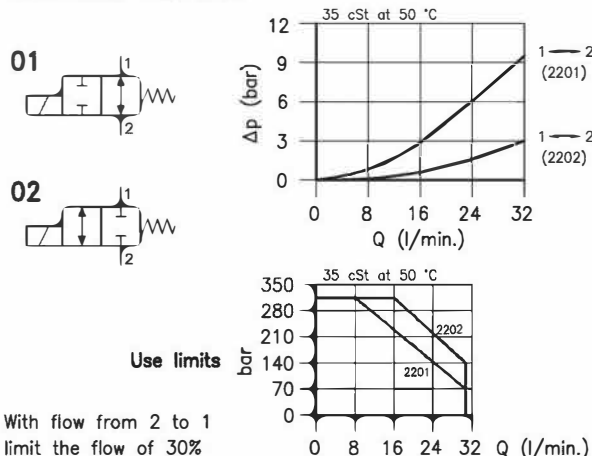
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
TWO WAY TWO POSITION ETD 30/22..

09.020

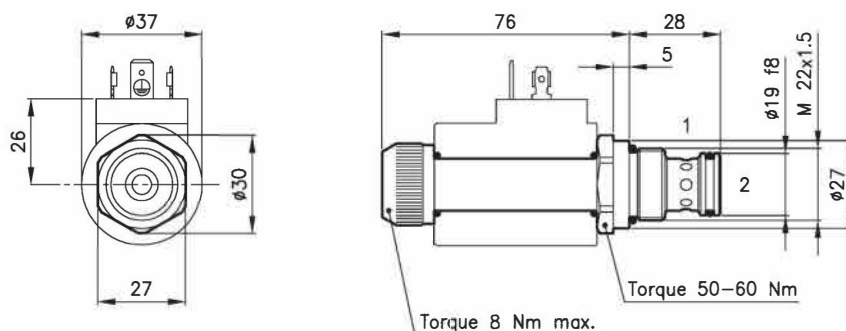
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/2
Max. flow	(With flow from 1 to 2) (l/min.)	30
Max. pressure	(bar)	315
Max. leakage	(cm ³ /min.)	25
Response time	(ms)	30 - 60 (Mean value)
It change in function of circuit, pressure, flow and fluid viscosity.		
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		

Dimensions



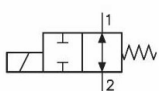
Ordering informations

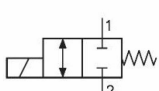
ETD 30/2201

ETD 30/22.. = Valve type



Circuits

2201 = 

2202 = 

Codes:

ETD 30/2201 35 011 120

ETD 30/2202 35 011 130

External seals kit 90 620 103

ETD 30/22.. valves can be assembled on standard bodies 30-L0 series; for dimensions see catalogue 16.010

On the ETD 30 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL

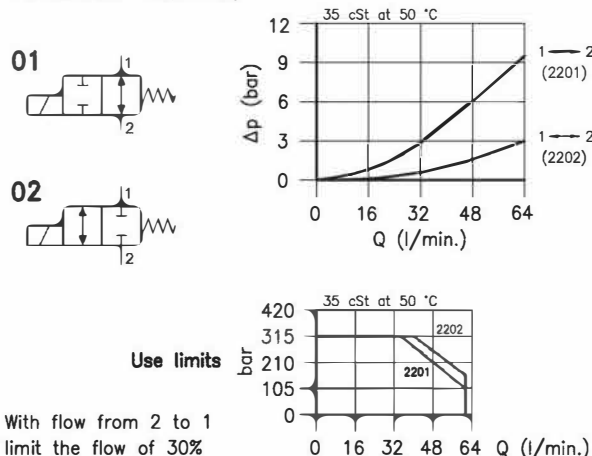
TWO WAY TWO POSITION

ETD 50/22..

09.030

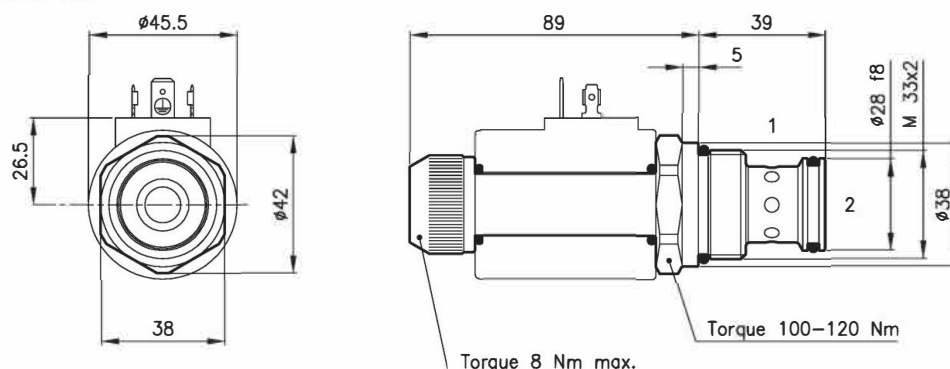
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 50/2
Max. flow	(With flow from 1 to 2) (l/min.)	60
Max. pressure	(bar)	315
Max. leakage	(cm ³ /min.)	40
Response time	(ms)	40 - 80 (Mean value)
It change in function of circuit, pressure, flow and fluid viscosity.		
Fluid viscosity range	(cSt)	2.8 - 380
Fluid 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 absolute)		
Standard seals in Polyurethane and Buna N		

Dimensions



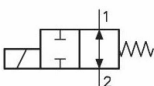
Ordering informations

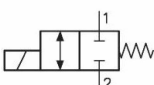
ETD 50/2201

ETD 50/22.. = Valve type



Circuits

2201 = 

2202 = 

Codes:

ETD 50/2201 55 011 111

ETD 50/2202 55 011 115

External seals kit 90 620 106

ETD 50/22.. valves can be assembled on standard bodies 50-L0 series; for dimensions see catalogue 16.010

On the ETD 50 valves must be assembled the Coils B50 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

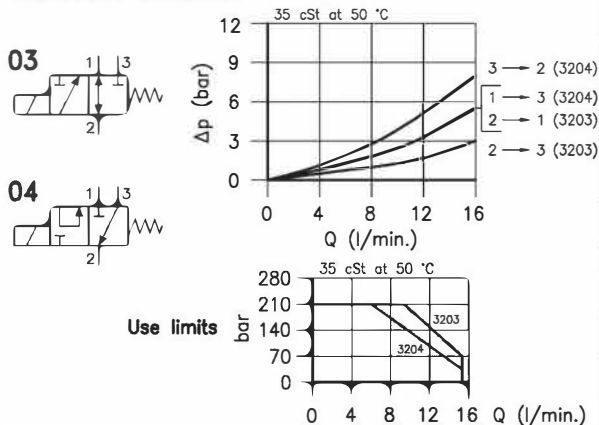
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
THREE WAY TWO POSITION ETD 20/32..

09.040

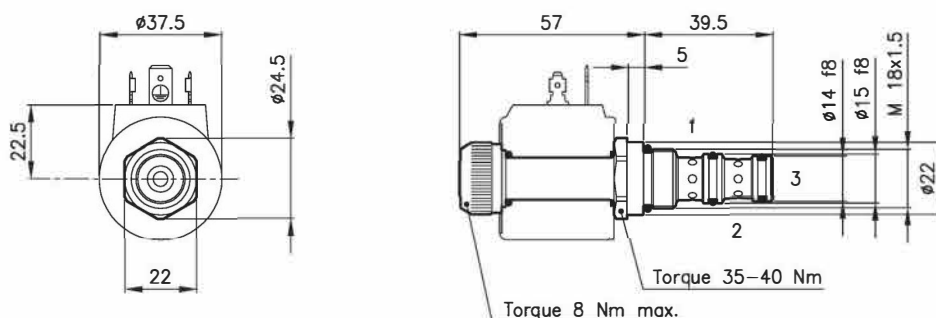
01.96

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 20/3
Max. flow	(l/min.)	15
Max. pressure	(bar)	210
Max. leakage	(cm ³ /min.)	20
Response time	(ms)	20 - 40 (Mean value)
It change in function of circuit, pressure, flow and fluid viscosity.		
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.130
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

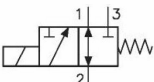
ETD 20/3203

ETD 20/32.. = Valve type

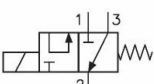


Circuits

3203 =



3204 =



Codes:

ETD 20/3203 25 011 115

ETD 20/3204 25 011 108

External seals kit 90 620 101

ETD 20/32.. valves can be assembled on standard bodies 20-C3 series; for dimensions see catalogue 16.010

On the ETD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

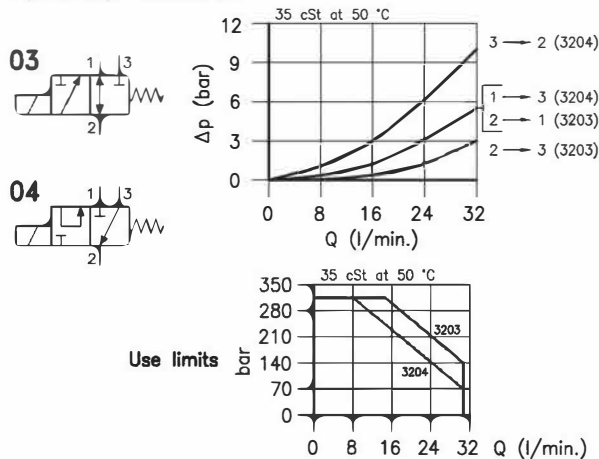
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
THREE WAY TWO POSITION ETD 30/32..

09.050

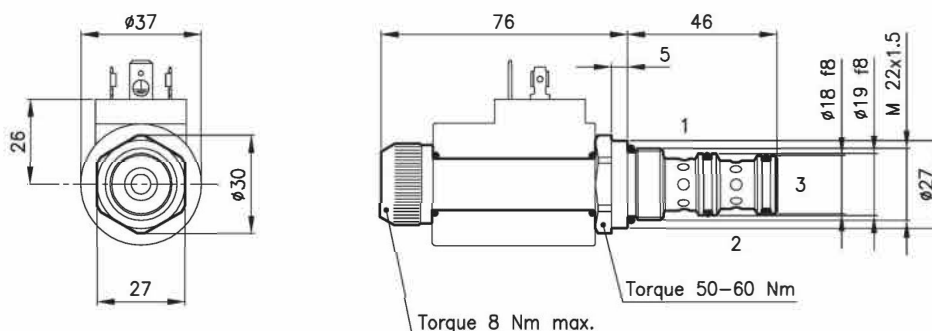
01.96

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/3
Max. flow	(l/min.)	30
Max. pressure	(bar)	315
Max. leakage	(cm ³ /min.)	25
Response time	(ms)	30 - 60 (Mean value)
It change in function of circuit, pressure, flow and fluid viscosity.		
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.230
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

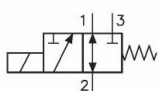
ETD 30/3203

ETD 30/32.. = Valve type

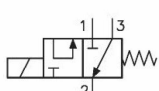


Circuits

3203 =



3204 =



Codes:

ETD 30/3203 35 011 123

ETD 30/3204 35 011 124

External seals kit 90 620 104

ETD 30/32.. valves can be assembled on standard bodies 30-C3 series; for dimensions see catalogue 16.010

On the ETD 30 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

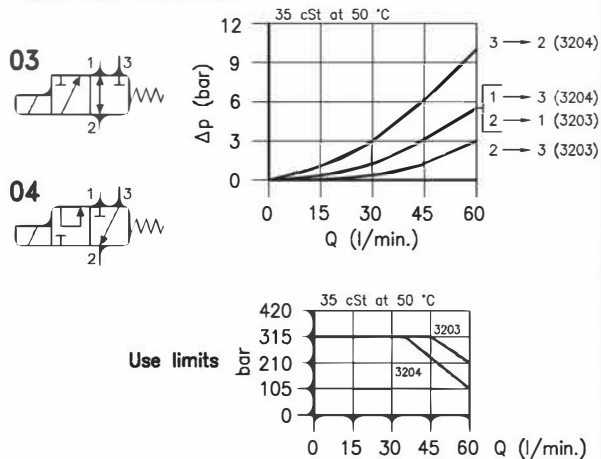
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
THREE WAY TWO POSITION ETD 50/32..

09.060

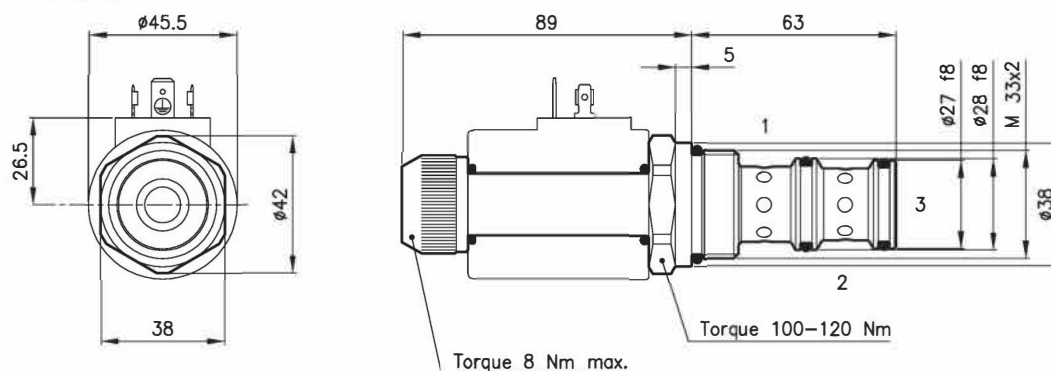
01.97

Technical features



Cavity (For dimensions see catalogue 17.000)	S 50/3
Max. flow (l/min.)	60
Max. pressure (bar)	315
Max. leakage (cm ³ /min.)	40
Response time (ms) It change in function of circuit, pressure, flow and fluid viscosity.	40 - 80 (Mean value)
Fluid viscosity range (cSt)	2.8 - 380
Fluid temperature range (°C)	-20 +80
Mass (kg)	0.440
Hydraulic fluid; mineral oil HM and HV	ISO 6074
Recommended filtration; 19/15 ISO 4466 (25 μ absolute)	
Standard seals in Polyurethane and Buna N	

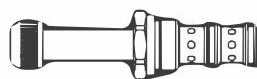
Dimensions



Ordering informations

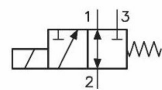
ETD 50/3203

ETD 50/32.. = Valve type

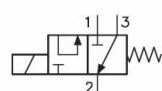


Circuits

3203 =



3204 =



Codes:

ETD 50/3203 55 011 112

ETD 50/3204 55 011 126

External seals kit 90 620 107

ETD 50/32.. valves can be assembled on standard bodies 50-C3 series; for dimensions see catalogue 16.010

On the ETD 50 valves must be assembled the Coils B50 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

FLUcom
ITALY

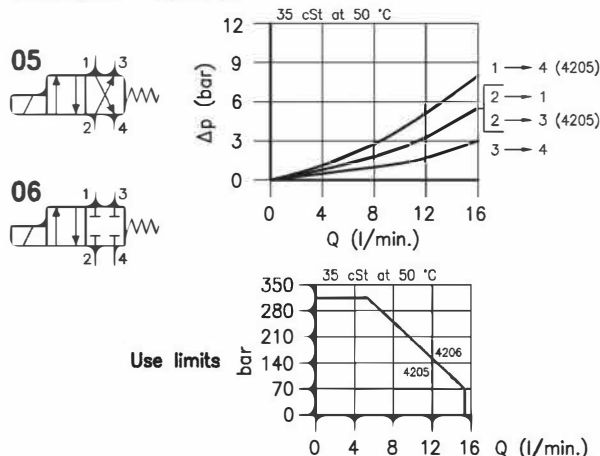
SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY TWO POSITION
CENTRE CLOSED

ETD 20/42..

09.070

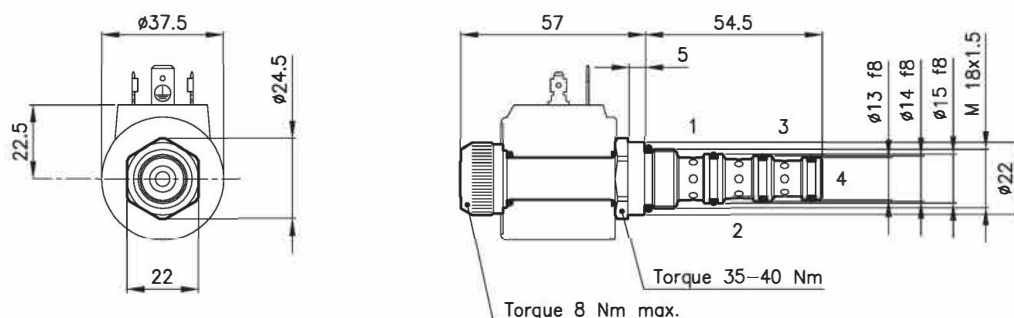
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 20/4
Max. flow	(l/min.)	15
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	20
Response time	(ms)	20 - 40
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(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

ETD 20/4205

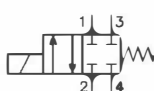
ETD 20/42.. = Valve type

Centre closed



Circuits

4205 = 

4206 = 

Codes:

ETD 20/4205 25 011 121

ETD 20/4206 25 011 122

External seals kit 90 620 102

ETD 20/42.. valves can be assembled on standard bodies 20-C4 series; for dimensions see catalogue 16.011

On the ETD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

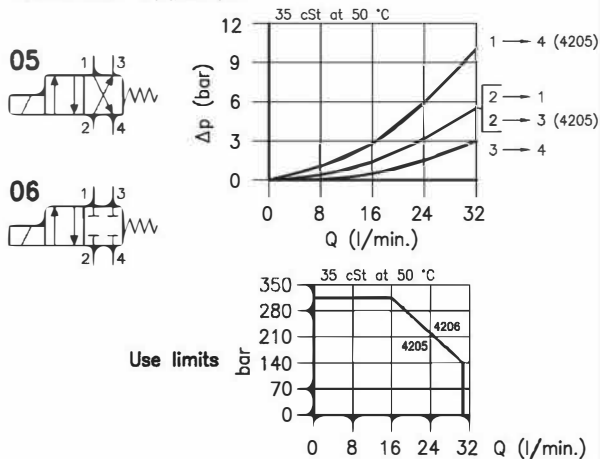
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY TWO POSITION
ETD 30/42..
CENTRE CLOSED

09.080

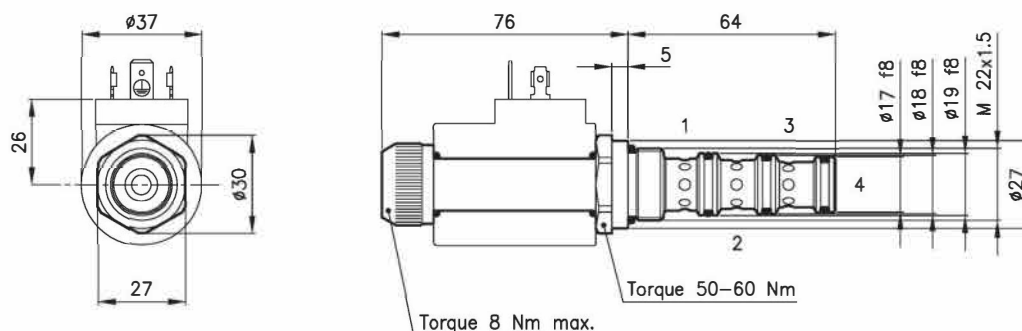
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/4
Max. flow	(l/min.)	30
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	25
Response time	(ms)	30 - 60
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.250
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

ETD 30/4205

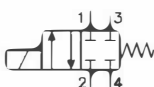
ETD 30/42.. = Valve type

Centre closed



Circuits

4205 = 

4206 = 

Codes:

ETD 30/4205 35 011 125

ETD 30/4206 35 011 152

External seals kit 90 620 105

ETD 30/42.. valves can be assembled on standard bodies 30-C4 series; for dimensions see catalogue 16.011

On the ETD 30 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

FLUcom
ITALY

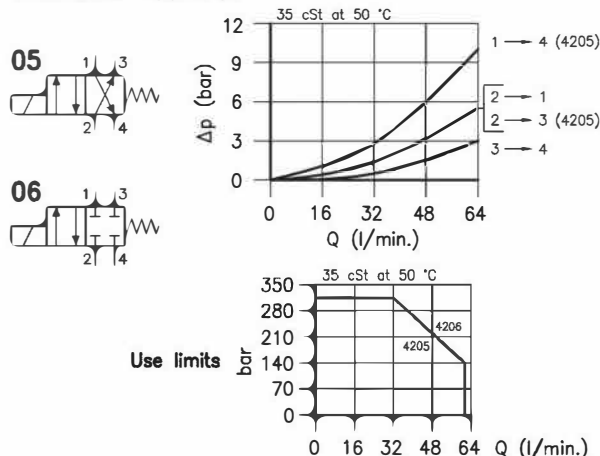
SOLENOID VALVES SPOOL-TYPE
FOUR WAY TWO POSITION
CENTRE CLOSED

ETD 50/42..

09.090

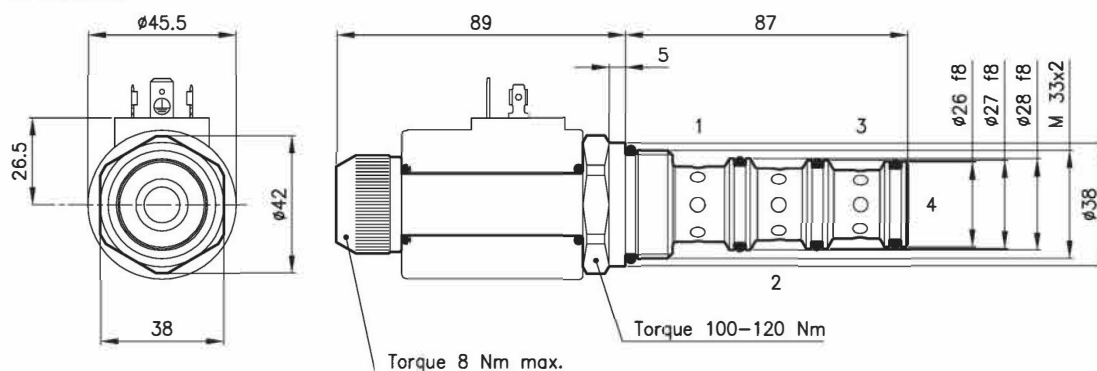
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 50/4
Max. flow	(l/min.)	60
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	40
Response time	(ms)	40 - 80
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
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 absolute)		
Standard seals in Polyurethane and Buna N		

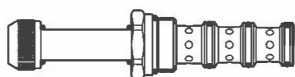
Dimensions



Ordering informations

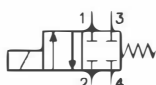
ETD 50/4205

ETD 50/42.. = Valve type
Centre closed



Circuits

4205 = 

4206 = 

Codes:

ETD 50/4205 55 011 118

ETD 50/4206 55 011 123

External seals kit 90 620 108

ETD 50/42.. valves can be assembled on standard bodies 50-C4 series; for dimensions see catalogue 16.011

On the ETD 50 valves must be assembled the Coils B50 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

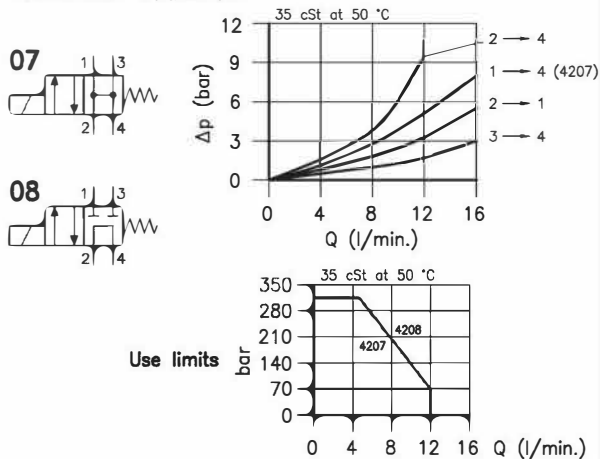
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY TWO POSITION
CENTRE OPEN
ETD 20/42..

09.100

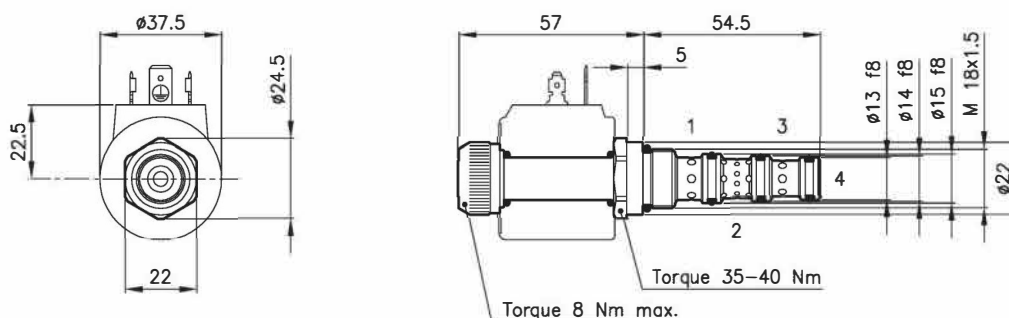
01.96

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 20/4
Max. flow	(l/min.)	12
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	20
Response time	(ms)	20 - 40
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(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



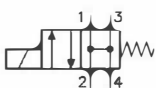
Ordering informations

ETD 20/42.. = valve type
Centre open

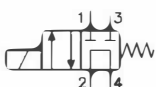


Circuits

4207 =



4208 =



ETD 20/4207

Codes:

ETD 20/4207	25 011 123
ETD 20/4208	25 011 124
External seals kit	90 620 102

ETD 20/42.. valves can be assembled on standard bodies 20-C4 serie; for dimensions see catalogue 16.011

On the ETD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

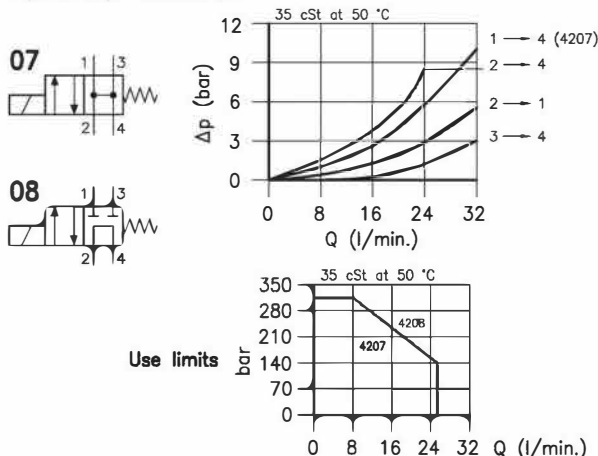
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY TWO POSITION
CENTRE OPEN
ETD 30/42..

09.110

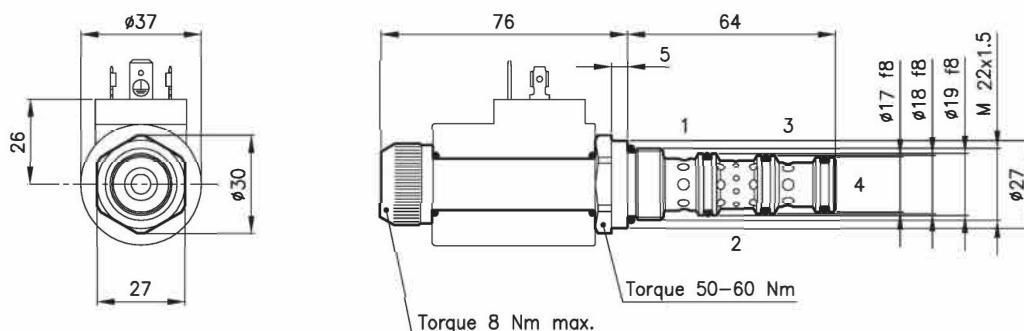
01.96

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/4
Max. flow	(l/min.)	25
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	25
Response time	(ms)	30 - 60
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.250
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

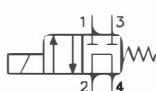
ETD 30/4207

ETD 30/42.. = Valve type
Centre open



Circuits

4207 = 

4208 = 

Codes:

ETD 30/4207 35 011 118

ETD 30/4208 35 011 133

External seals kit 90 620 105

ETD 30/42.. valves can be assembled on standard bodies 30-C4 series; for dimensions see catalogue 16.011

On the ETD 30 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

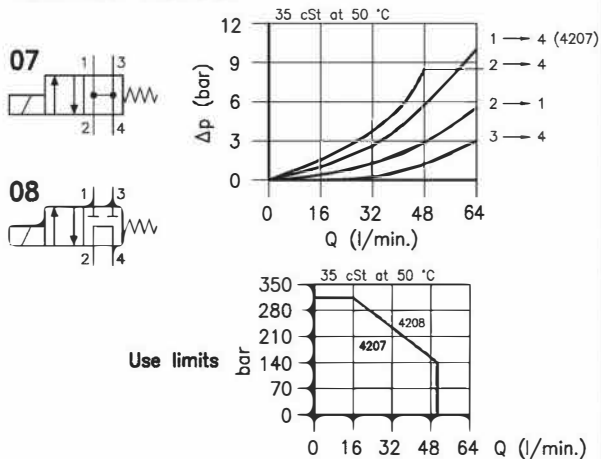
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY TWO POSITION
CENTRE OPEN
ETD 50/42..

09.120

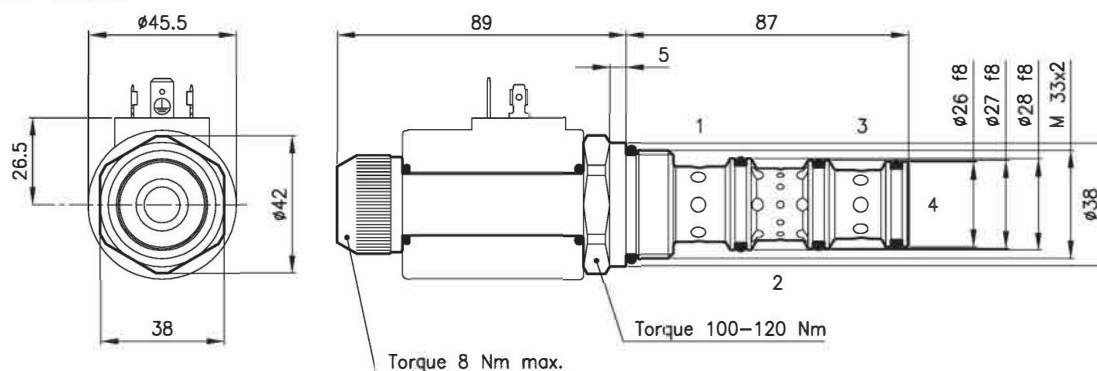
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 50/4
Max. flow	(l/min.)	45
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	40
Response time	(ms)	40 - 80
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
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)		
Standard seals in Polyurethane and Buna N		

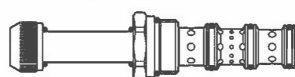
Dimensions



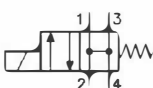
Ordering informations

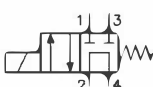
ETD 50/4207

ETD 50/42.. = Valve type
Centre open



Circuits

4207 = 

4208 = 

Codes:

ETD 50/4207	55 011 124
ETD 50/4208	55 011 125
External seals kit	90 620 108

ETD 50/42.. valves can be assembled on standard bodies 50-C4 series; for dimensions see catalogue 16.011

On the ETD 50 valves must be assembled the Coils B50 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

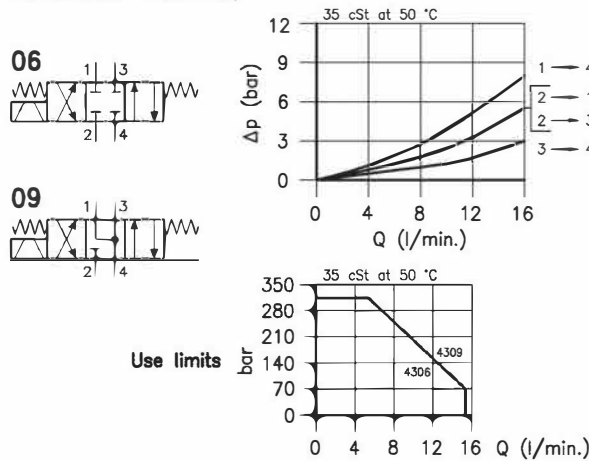
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY THREE POSITION
CENTRE CLOSED
ETD 20/43..

09.130

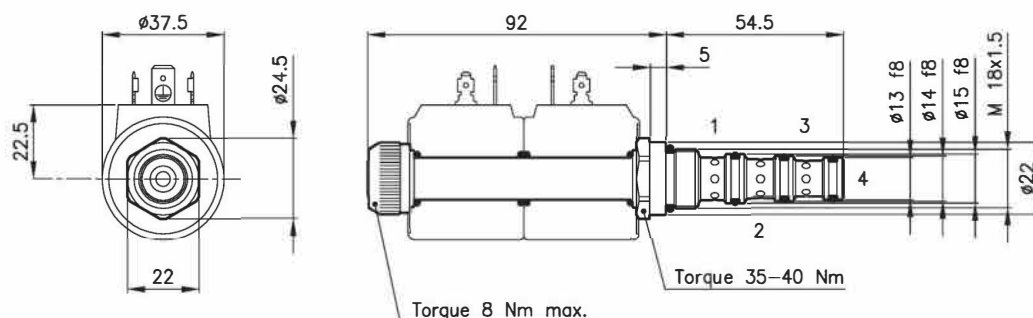
01.02

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 20/4
Max. flow	(l/min.)	15
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	50
Max. leakage	(cm ³ /min.)	20
Response time	(ms)	20 - 40 (Mean value)
It change in function of circuit, pressure, flow and fluid viscosity.		
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.170
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

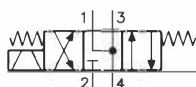
ETD 20/4306

ETD 20/43.. = Valve type
Centre closed



Circuits

4306 = 

4309 = 

Codes:

ETD 20/4306 25 011 125

ETD 20/4309 25 011 126

External seals kit 90 620 102

ETD 20/43.. valves can be assembled on standard bodies 20-C4 series; for dimensions see catalogue 16.011

On the ETD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

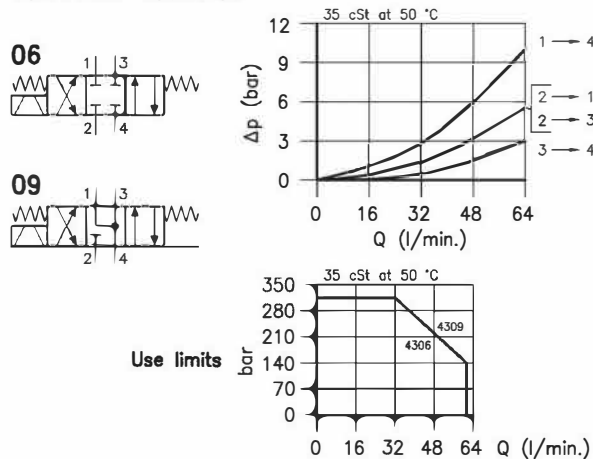
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY THREE POSITION
CENTRE CLOSED
ETD 50/43..

09.150

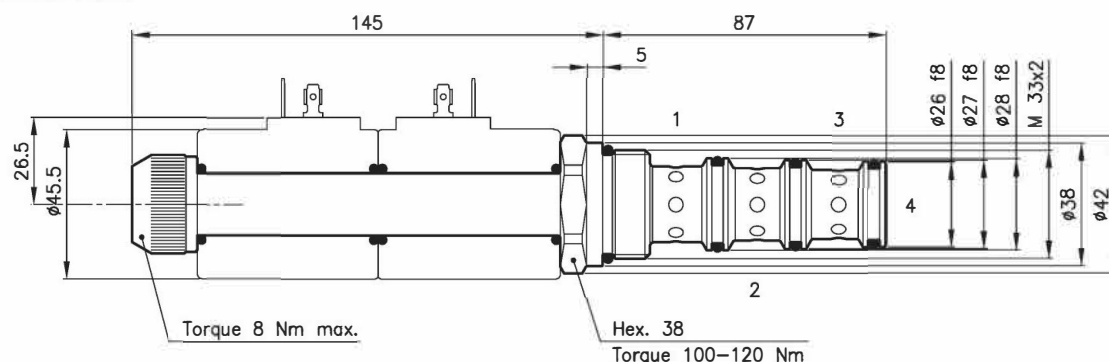
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 50/4
Max. flow	(l/min.)	60
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	40
Response time	(ms)	40 - 80
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(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

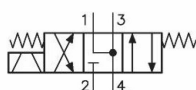
ETD 50/4306

ETD 50/43.. = Valve type
Centre closed



Circuits

4306 = 

4309 = 

Codes:

ETD 50/4306	55 011 127
ETD 50/4309	55 011 128
External seals kit	90 620 108

ETD 50/43.. valves can be assembled on standard bodies 50-C4 series; for dimensions see catalogue 16.011

On the ETD 50 valves must be assembled the Coils B50 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

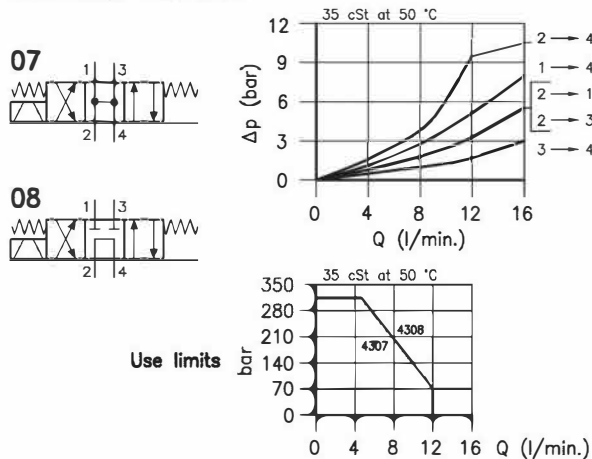
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY THREE POSITION CENTRE OPEN
ETD 20/43..

09.160

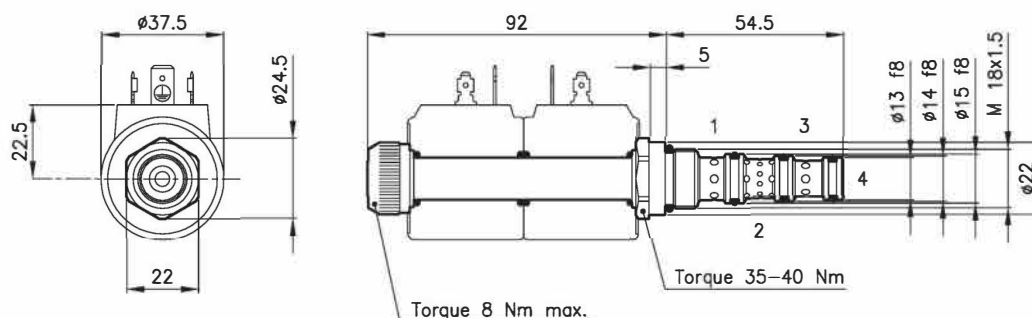
01.02

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 20/4
Max. flow	(l/min.)	12
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	50
Max. leakage	(cm ³ /min.)	20
Response time	(ms)	20 - 40
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.170
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



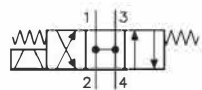
Ordering informations

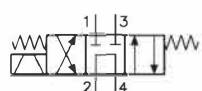
ETD 20/4307

ETD 20/43.. = Valve type
Centre open



Circuits

4307 = 

4308 = 

Codes:

ETD 20/4307 25 011 127

ETD 20/4308 25 011 128

External seals kit 90 620 102

ETD 20/43.. valves can be assembled on standard bodies 20-C4 serie; for dimensions see catalogue 16.011

On the ETD 20 valves must be assembled the Coils B20 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

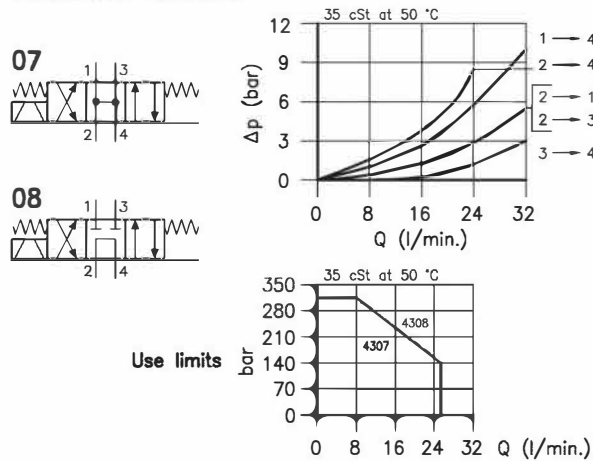
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY THREE POSITION
CENTRE OPEN
ETD 30/43..

09.170

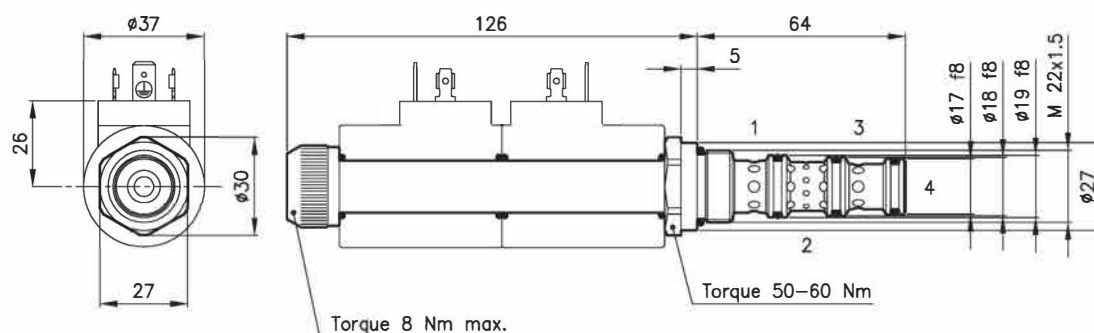
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 30/4
Max. flow	(l/min.)	25
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	25
Response time	(ms)	30 - 60
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(kg)	0.310
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		

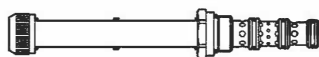
Dimensions



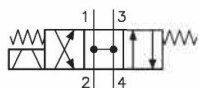
Ordering informations

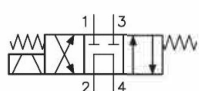
ETD 30/4307

ETD 30/43.. = Valve type
Centre open



Circuits

4307 = 

4308 = 

Codes:

ETD 30/4307 35 011 132

ETD 30/4308 35 011 119

External seals kit 90 620 105

ETD 30/43.. valves can be assembled on standard bodies 30-C4 series; for dimensions see catalogue 16.011

On the ETD 30 valves must be assembled the Coils B30 series; for dimensions, features and codes see catalogues 09.900 and 09.901.

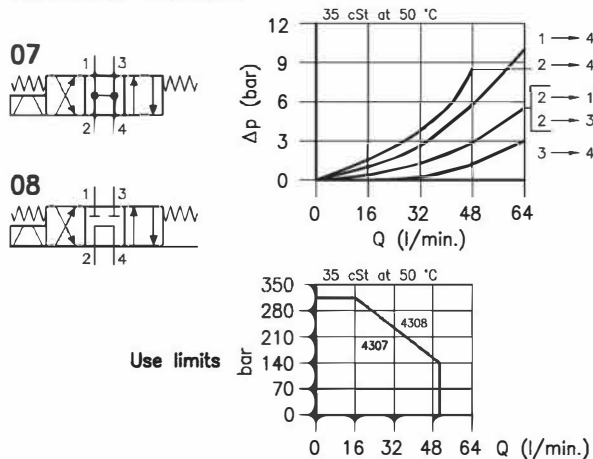
FLUcom
ITALY

SOLENOID VALVES SPOOL-TYPE DIRECTIONAL
FOUR WAY THREE POSITION CENTRE OPEN
ETD 50/43..

09.180

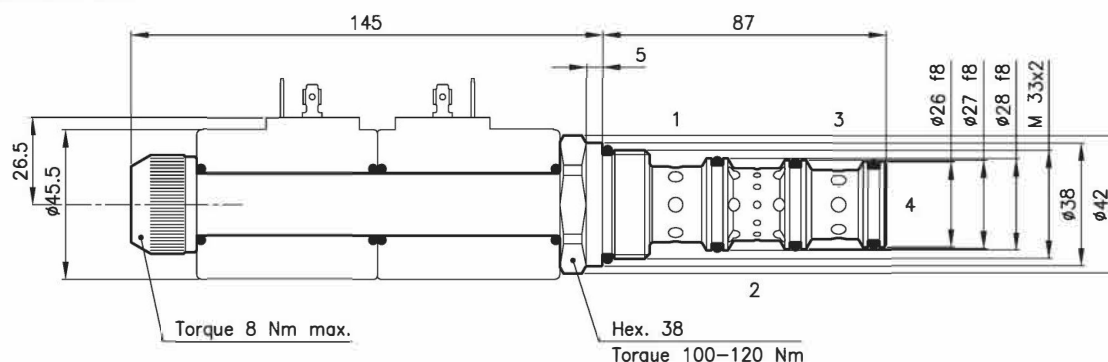
01.97

Technical features



Cavity	(For dimensions see catalogue 17.000)	S 50/4
Max. flow	(l/min.)	45
Max. pressure way 1-2-3	(bar)	315
Max. pressure way 4	(bar)	210
Max. leakage	(cm ³ /min.)	40
Response time	(ms)	40 - 80
It change in function of circuit, pressure, flow and fluid viscosity.		(Mean value)
Fluid viscosity range	(cSt)	2.8 - 380
Fluid temperature range	(°C)	-20 +80
Mass	(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



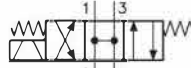
Ordering informations

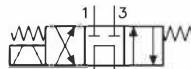
ETD 50/4307

ETD 50/43.. = Valve type
Centre open



Circuits

4307 = 

4308 = 

Codes:

ETD 50/4307 55 011 129

ETD 50/4308 55 011 110

External seals kit 90 620 108

ETD 50/43.. valves can be assembled on standard bodies 50-C4 series; for dimensions see catalogue 16.011

On the ETD 50 valves must be assembled the Coils B50 series; for dimensions, features and codes see catalogues 09.900 and 09.901.