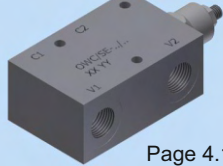
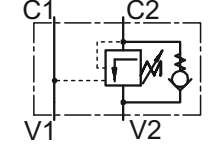
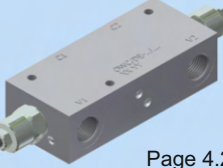
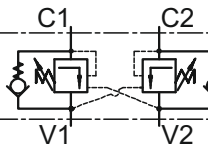
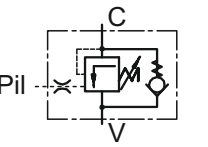
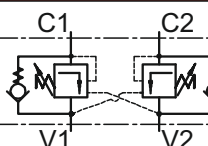
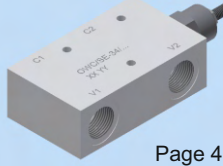
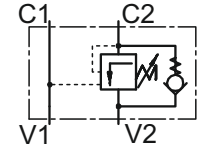
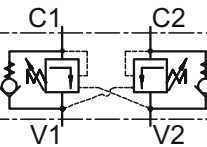
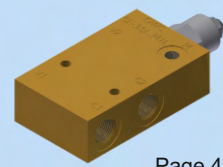
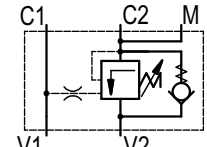




OVERCENTER VALVES

 Page 4.1	OWC/SE-../.. 
 Page 4.2	OWC/DE-../.. 
 Page 4.3	OWC/SE-38/..M 
 Page 4.4	OWC/DE-38/..M3 

 Page 4.5	OWC/SE-34/.. 
 Page 4.6	OWC/DE-34/.. 
 Page 4.7	OWC/SE-38/..M1L 



OVERCENTER VALVES

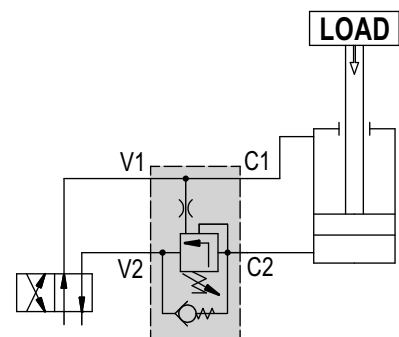
OWC/...



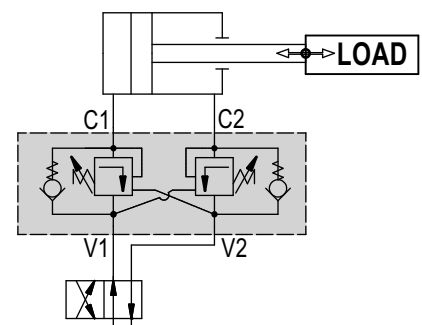
The overcenter valves are used for a precise control of the movement based on the supplied flow. In the case when an external force is acting on the operating unit (a cylinder or a hydraulic motor), and the result of that action increases the speed of movement over the value determined by the input flow, the valve "reduces" the output flow of the cylinder/hydraulic motor and prevents from rise of the speed and protects the system from cavitation.

Examples of connections are given below:

1. Of a single valve



2. Of a double valve





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IN-LINE SINGLE OVERCENTER VALVE

OWC/SE-../..

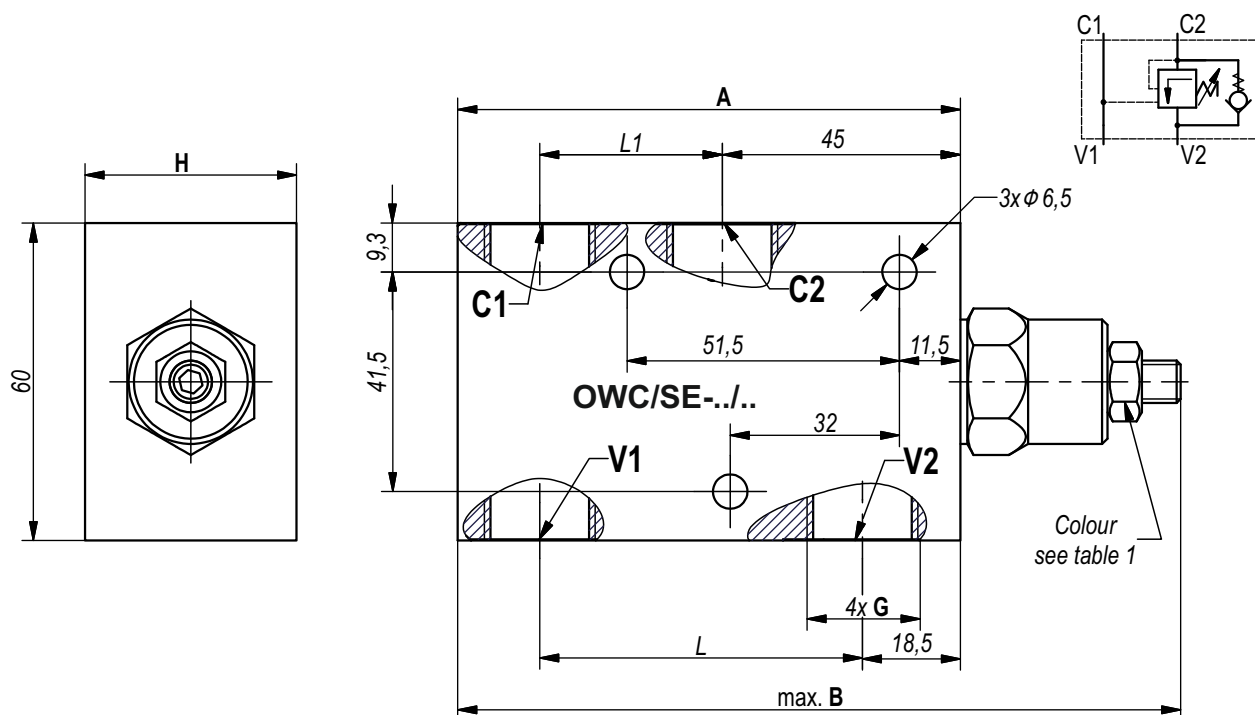
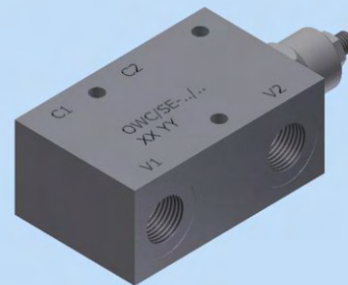


Table 1

Code	Pressure range			
	Standard setting (Q=5l/min)	Adj. pressure range	Pilot ratio	Colour
	bar	bar	-	-
25	100	60...250	4,26:1	White
35	250	100...350	4,26:1	Yellow

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.

Working fluid - mineral oil with:
- viscosity - 10...100 cSt;
- temperature - -20...+80°C;
- filtration level - 25 µm.

Table 2

Type	Q nom.	A	B	G	L	L1	H	Body material
	L/min.	mm	mm	-	mm	mm	mm	-
OWC/SE-14/25	30	90	135	G 1/4"-DIN 3852	58,5	32	30	Aluminum
OWC/SE-38/25	35	90	135	G 3/8"-DIN 3852	58,5	32	30	Aluminum
OWC/SE-12/25	50	95	140	G 1/2"-DIN 3852	61	34,5	40	Aluminum
OWC/SE-14/35	30	90	135	G 1/4"-DIN 3852	58,5	32	30	Steel
OWC/SE-38/35	35	90	135	G 3/8"-DIN 3852	58,5	32	30	Steel
OWC/SE-12/35	50	95	140	G 1/2"-DIN 3852	61	34,5	30	Steel
OWC/SE-14/25L	30	90	135	G 1/4"-DIN 3852	58,5	32	30	Brass
OWC/SE-14/35L	30	90	135	G 1/4"-DIN 3852	58,5	32	30	Brass
OWC/SE-38/25L	35	90	135	G 3/8"-DIN 3852	58,5	32	30	Brass
OWC/SE-38/35L	35	90	135	G 3/8"-DIN 3852	58,5	32	30	Brass
OWC/SE-12/25L	50	95	140	G 3/2"-DIN 3852	61	34,5	40	Brass
OWC/SE-12/35L	50	95	140	G 3/2"-DIN 3852	61	34,5	40	Brass

ORDERING CODE

OWC/SE - 38/25 L

Type

Port threads "G" - code:

G 1/4" - 14

G 3/8" - 38

G 1/2" - 12

Pressure range - code:

See table 1

Body material - code:

Standard - omit
Brass - L



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IN-LINE DUAL OVERCENTER VALVE

OWC/DE-../..

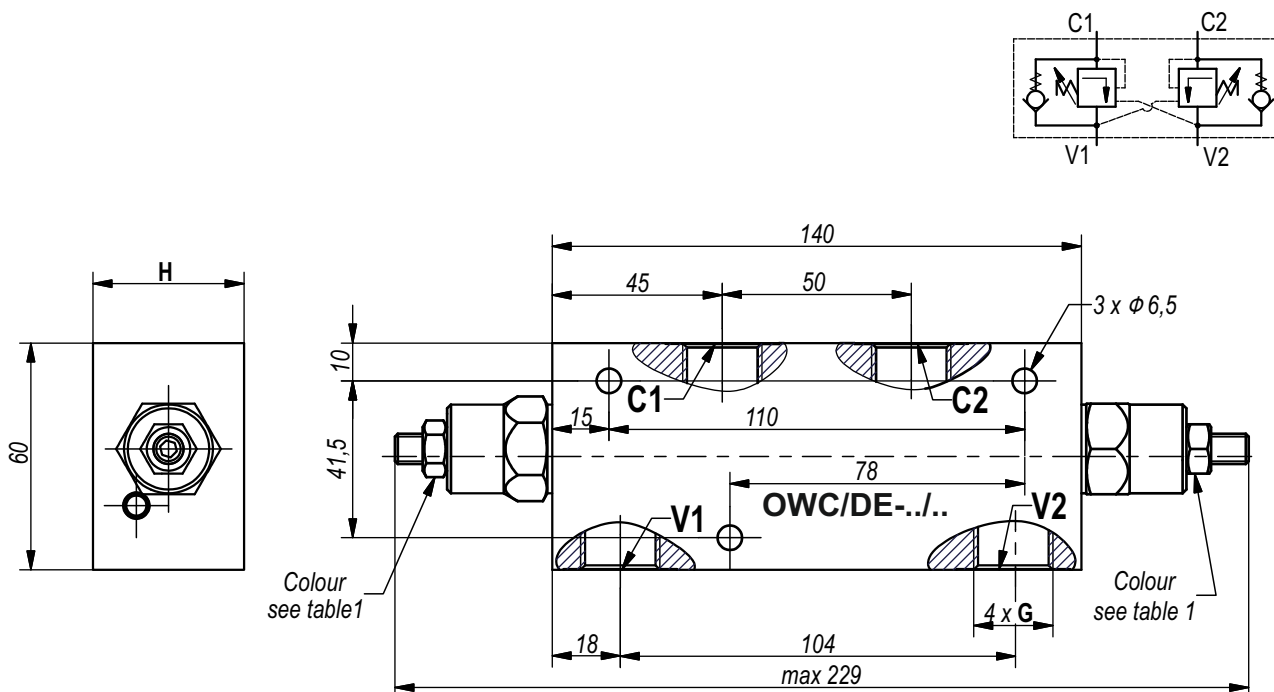
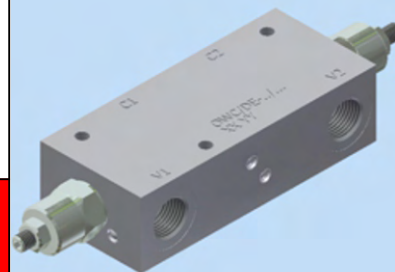


Table 1

Code	Pressure range		Pilot ratio	Colour
	Standard setting (Q=5l/min) bar	Adj. pressure range bar		
25	100	60...250	4,26:1	White
35	250	100...350	4,26:1	Yellow

Table 2

Type	Q nom. L/min.	G	H mm	Body material
OWC/DE-14/25	30	G1/4"-DIN 3852	30	Aluminum
OWC/DE-38/25	35	G3/8"-DIN 3852	30	Aluminum
OWC/DE-12/25	50	G1/2"-DIN 3852	40	Aluminum
OWC/DE-14/35	30	G1/4"-DIN 3852	30	Steel
OWC/DE-38/35	35	G3/8"-DIN 3852	30	Steel
OWC/DE-12/35	50	G1/2"-DIN 3852	30	Steel
OWC/DE-14/25 L	30	G1/4"-DIN 3852	30	Brass
OWC/DE-14/35 L	30	G1/4"-DIN 3852	30	Brass
OWC/DE-38/25 L	35	G3/8"-DIN 3852	30	Brass
OWC/DE-38/35 L	35	G3/8"-DIN 3852	30	Brass
OWC/DE-12/25 L	50	G1/2"-DIN 3852	40	Brass
OWC/DE-12/35 L	50	G1/2"-DIN 3852	40	Brass

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.

Working fluid - mineral oil with:
- viscosity - 10...100 cSt;
- temperature - -20...+80°C;
- filtration level - 25 µm.

ORDERING CODE

OWC/DE - 38/25 L

Type

Port threads "G" - code:

G1/4" - 14
G3/8" - 38
G1/2" - 12

Pressure range - code:
See table 1

Body material - code:
Standard - omit
Brass - L

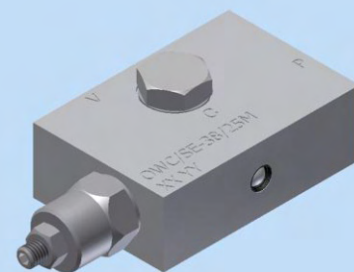


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SINGLE OVERCENTER VALVE WITH EXTERNAL PILOT, FITTING BOLT

OWC/SE-38/..M



Fitting bolt mount for direct
connection to a cylinder port.

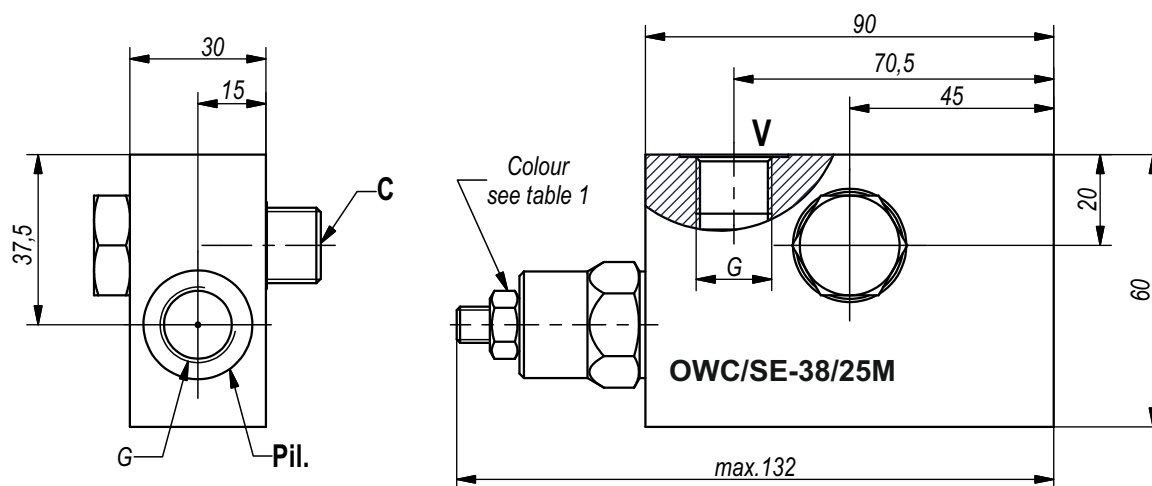
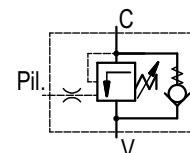
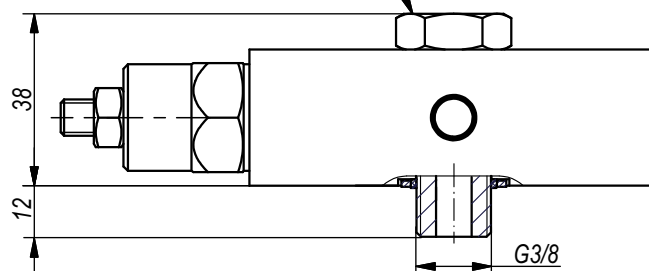


Table 1

Code	Pressure range		Pilot ratio	Colour
	Standard setting (Q=5l/min) bar	Adj. pressure range bar		
25	100	60...250	4,26:1	White
35	250	100...350	4,26:1	Yellow

Table 2

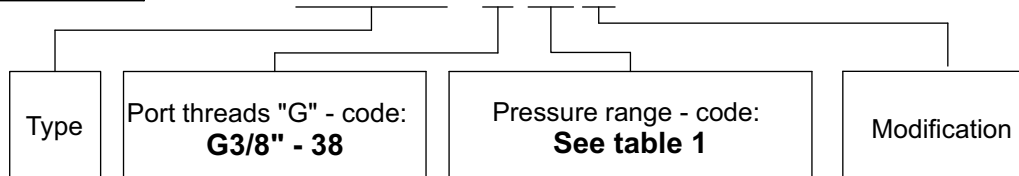
Type	Q nom. L/min.	G	Body material
OWC/SE-38/25M	35	G3/8"-DIN 3852	Aluminium
OWC/SE-38/35M	35	G3/8"-DIN 3852	Steel

All performances and calibration
are carried out by using hydraulic
oil with viscosity approx. 46 cSt
at 50°C.

Working fluid - mineral oil with:
- viscosity - 10...100 cSt;
- temperature - -20...+80°C;
- filtration level - 25 µm.

ORDERING CODE

OWC/SE - 38/25 M





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IN-LINE DUAL OVERCENTER VALVE WITH FITTING BOLT

OWC/DE-38/..M

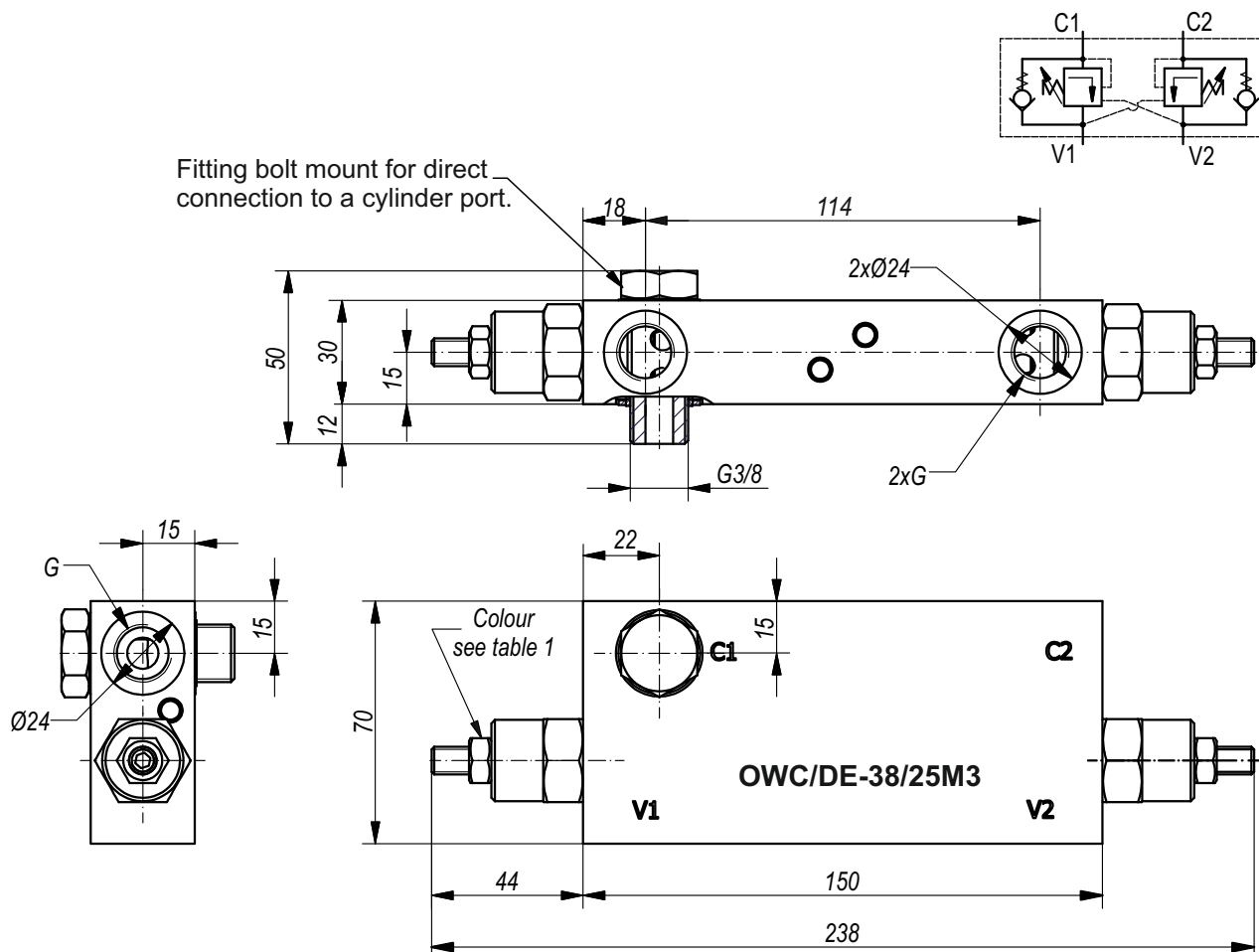
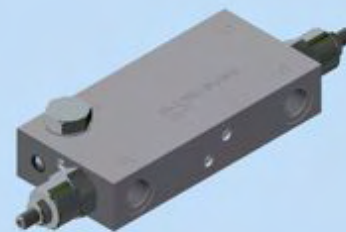


Table 1

Code	Pressure range		Pilot ratio	Colour
	Standard setting (Q=5l/min)	Adj. pressure range		
	bar	bar	-	-
25	100	60...250	4,26:1	White
35	250	100...350	4,26:1	Yellow

Table 2

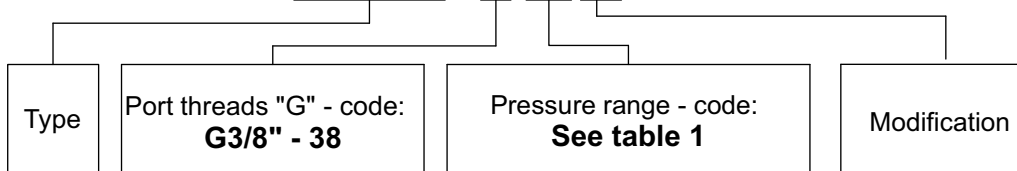
Type	Q nom.	G	Body material
	L/min.		
OWC/DE-38/25M3	35	G3/8"-DIN 3852	Aluminium
OWC/DE-38/35M3	35	G3/8"-DIN 3852	Steel

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.

Working fluid - mineral oil with:
- viscosity - 10...100 cSt;
- temperature - -20...+80°C;
- filtration level - 25 µm.

ORDERING CODE

OWC/DE - 38/35 M3





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IN-LINE SINGLE OVERCENTER VALVE

OWC/SE- 34/.. .

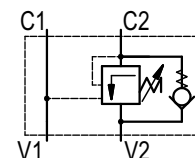
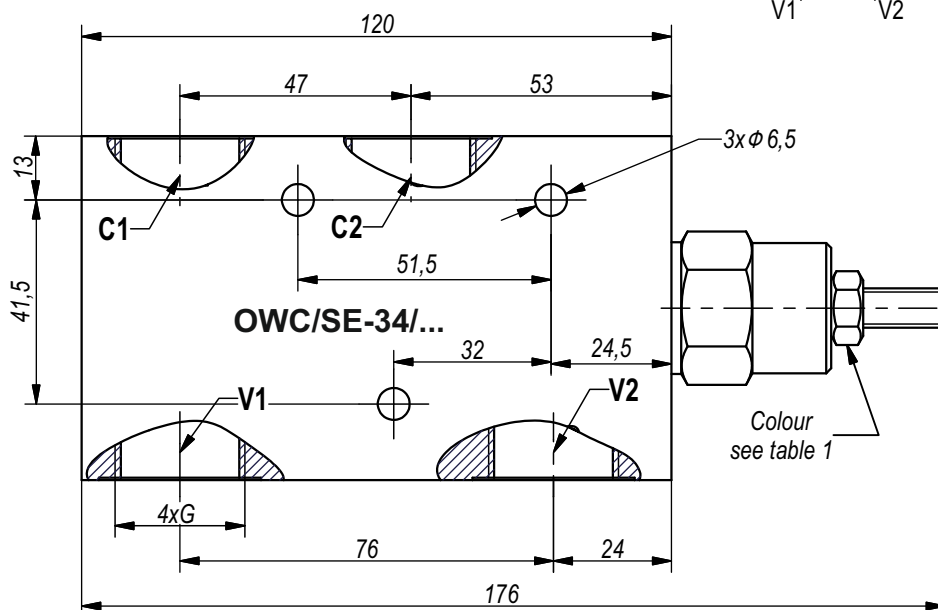
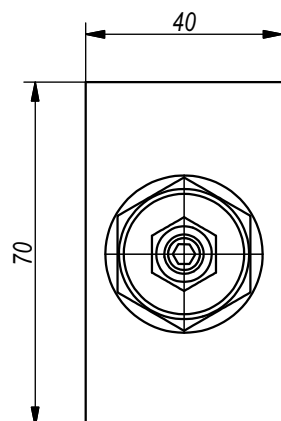
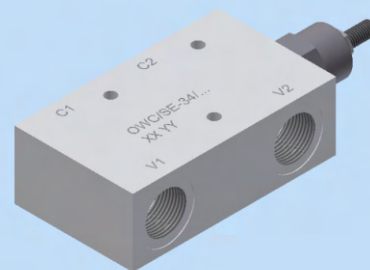


Table 1

Code	Pressure range			
	Standard setting (Q=5l/min)	Adj. pressure range	Pilot ratio	Colour
	bar	bar	-	-
25	100	60...250	4,26:1	White
35	250	100...350	4,26:1	Yellow

Table 2

Type	Q _{nom.}	G	H	Body material
	L/min.	-	mm	-
OWC/SE-34/25	100	G3/4"-DIN 3852	40	Aluminum
OWC/SE-34/25L	100	G3/4"-DIN 3852	40	Brass
OWC/SE-34/35	100	G3/4"-DIN 3852	35	Steel

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.

Working fluid - mineral oil with:
- viscosity - 10...100 cSt;
- temperature - -20...+80°C;
- filtration level - 25 µm.

ORDERING CODE

OWC/SE - 34 / 25 L

Type

Port threads "G" - code:
G3/4" - 34

Pressure range - code:
See table 1

Body material-code:
**Standard - omit
Brass - L**



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IN-LINE DUAL OVERCENTER VALVE

OWC/DE-34/..

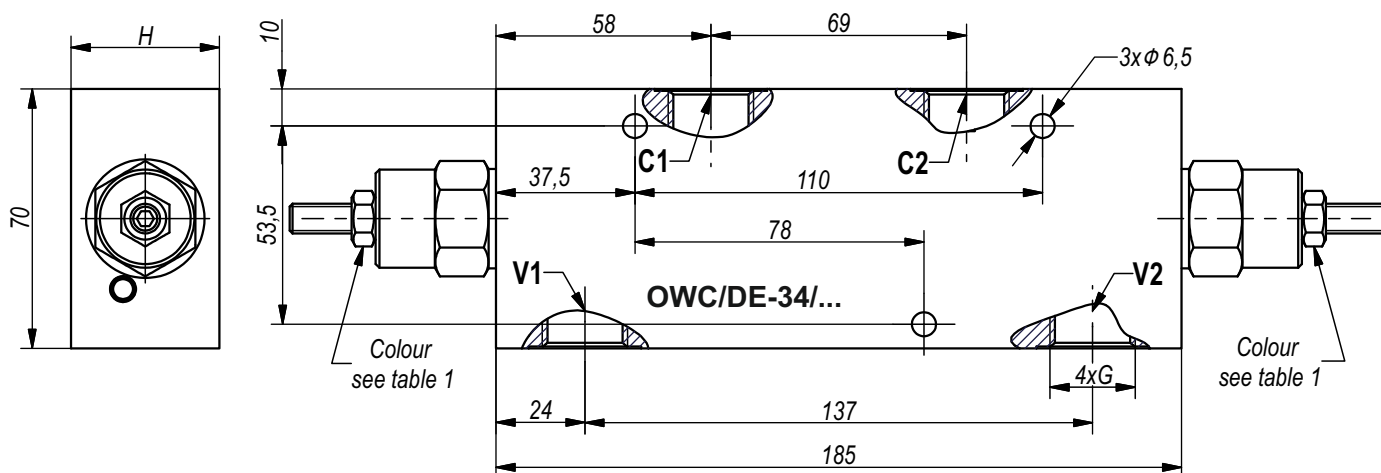
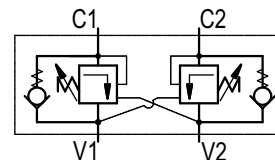
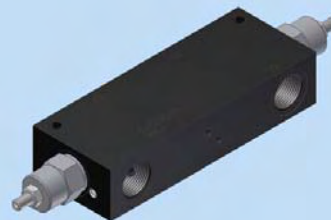


Table 1

Pressure range				
Code	Standard setting (Q=5l/min)	Adj. pressure range	Pilot ratio	Colour
	bar	bar		
25	100	60...250	4,26:1	White
35	250	100...350	4,26:1	Yellow

Table 2

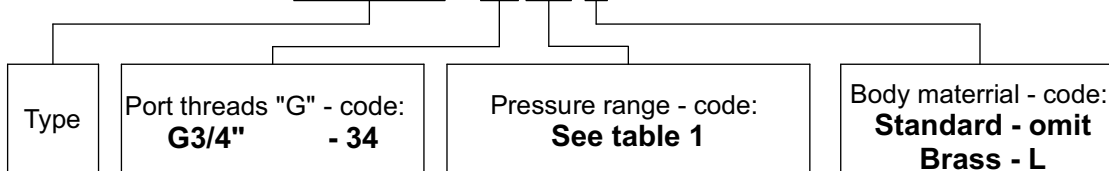
Type	Q _{nom.}	G	H	material
	L/min.			
OWC/DE-34/25	100	G3/4"-DIN 3852	40	Aluminum
OWC/DE-34/25L	100	G3/4"-DIN 3852	40	Brass
OWC/DE-34/35	100	G3/4"-DIN 3852	35	Steel

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.

Working fluid - mineral oil with:
- viscosity - 10...100 cSt;
- temperature - -20...+80°C;
- filtration level - 25 µm.

ORDERING CODE

OWC/DE - 34/25 L





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IN-LINE SINGLE OVERCENTER VALVE

OWC/SE- 38/..M1L

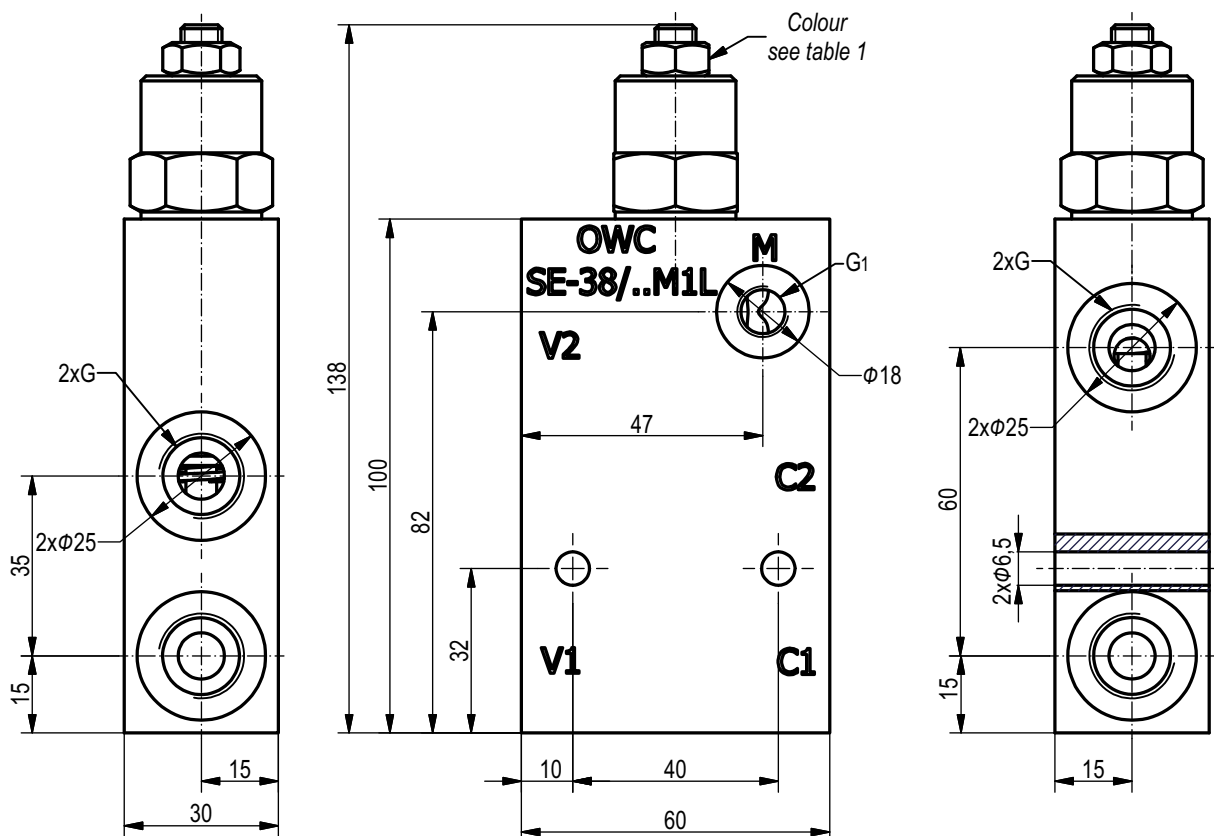
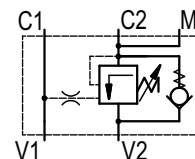
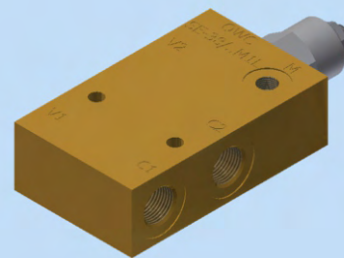


Table 1

Code	Pressure range		Pilot ratio	Colour
	Standard setting (Q=5l/min)	Adj. pressure range		
	bar	bar	-	-
25	100	60...250	4,26:1	White
35	250	100...350	4,26:1	Yellow

Table 2

Type	Q _{nom.}	G	G ₁	Body material
	L/min.	-	-	-
OWC/SE-38/25M1L	30	G3/8"-DIN 3852	G 1/8"-DIN 3852	Brass
OWC/SE-38/35M1L	30	G3/8"-DIN 3852	G 1/8"-DIN 3852	Brass

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C.

Working fluid - mineral oil with:
- viscosity - 10...100 cSt;
- temperature - -20...+80°C;
- filtration level - 25 µm.

ORDERING CODE

OWC/SE - 38 / 25 M1 L

