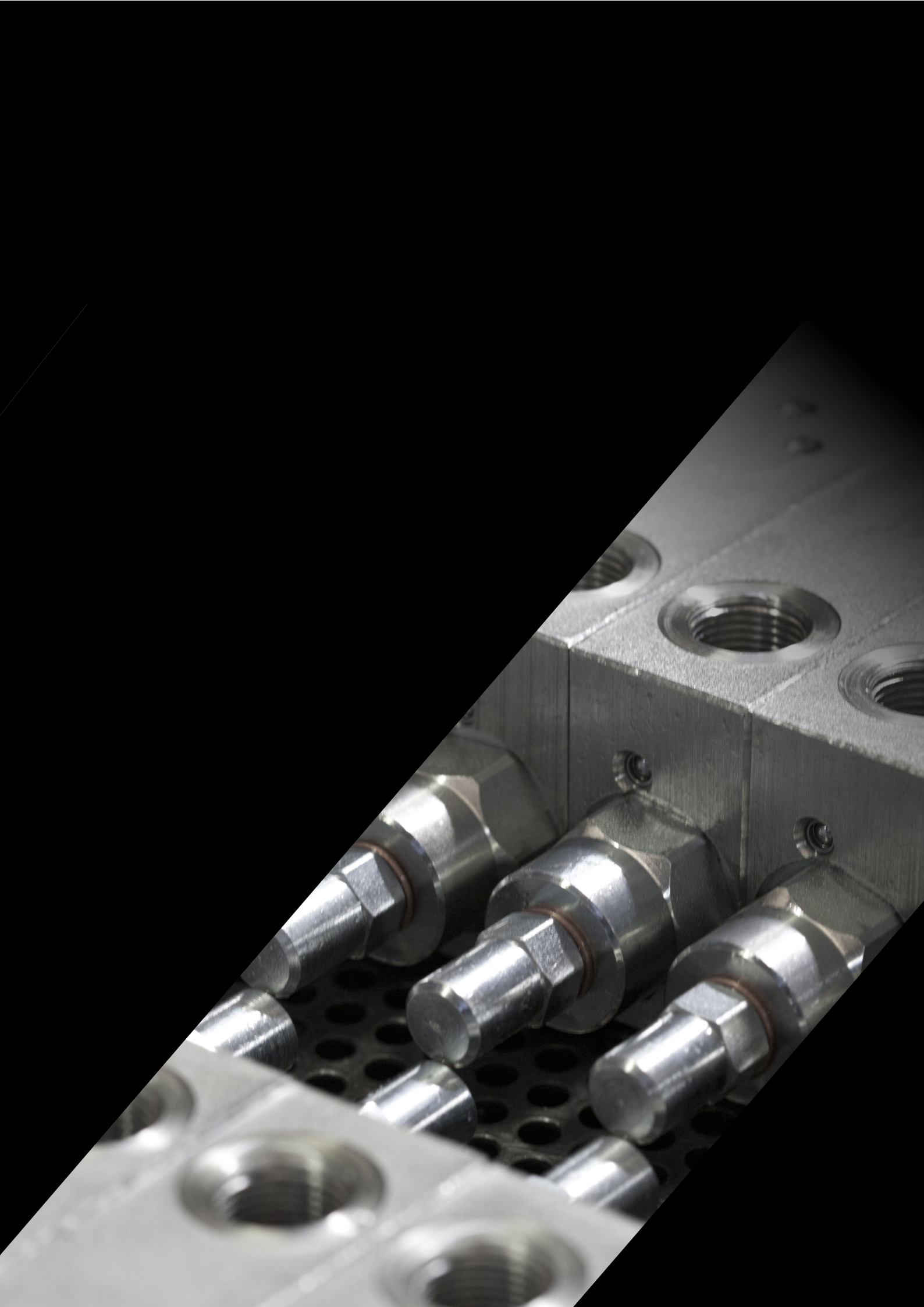
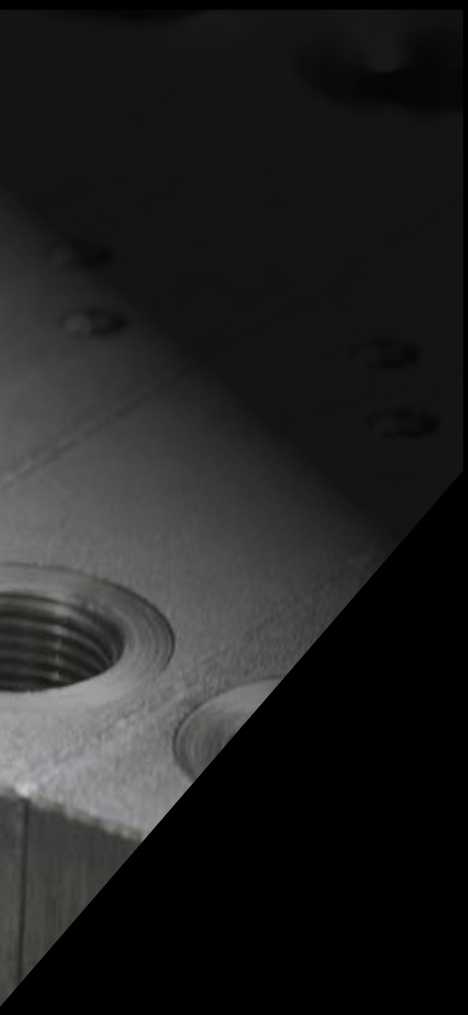




Lasthalteventile

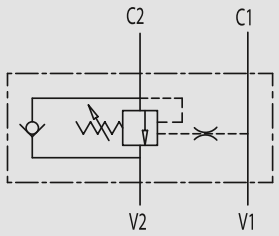
OVERCENTRE VALVES

Einfaches lasthalte Ventil

TYPE

VBCD SE

HYDRAULIC DIAGRAM



SINGLE OVERCENTRE VALVES

USE AND OPERATION:

These valves are used to control actuator's movements and block in one direction in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to the maximum load pressure.

APPLICATIONS:

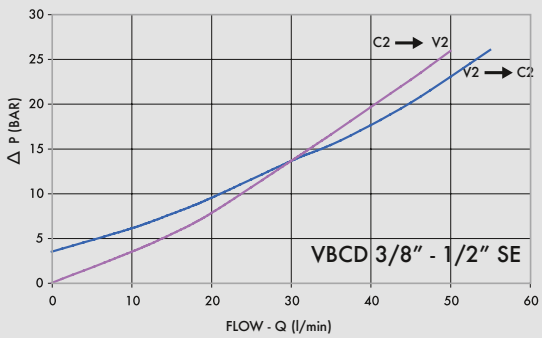
Connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and C2 to the actuator's side you want the flow to be blocked. In-line mounting.

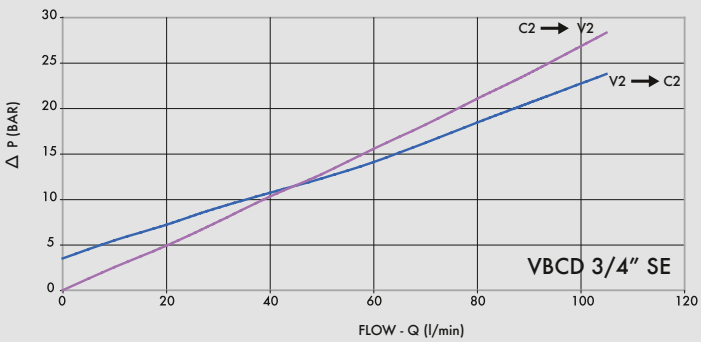
ON REQUEST

- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

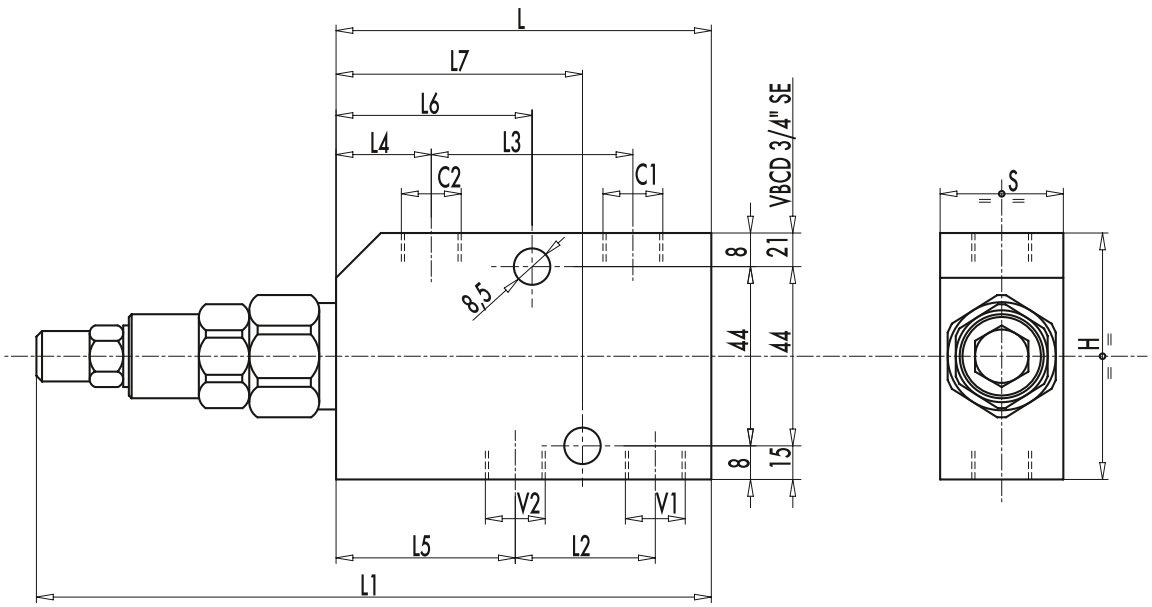
Oil temperature: 50° C - Oil viscosity: 30 cSt





ABITEK
Hydraulik • Antriebstechnik

CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0390	VBCD 3/8" SE	1:3,1	35	350
V0390/RP18	VBCD 3/8" SE RP 1:8	1:8	35	350
V0410	VBCD 1/2" SE	1:3,1	50	350
V0410/RP18	VBCD 1/2" SE RP 1:8	1:8	50	350
V0411	VBCD 3/4" SE	1:5:5	105	350
V0411/RP18	VBCD 3/4" SE RP 1:8	1:8	105	350



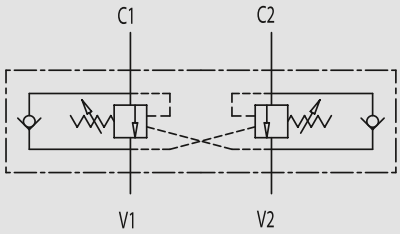
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	H mm	S mm	WEIGHT kg
V0390	VBCD 3/8" SE	G 3/8"	90	162	32	48	23	42	48	58	60	30	1,194
V0390/RP18	VBCD 3/8" SE RP 1:8	G 3/8"	90	162	32	48	23	42	48	58	60	30	1,194
V0410	VBCD 1/2" SE	G 1/2"	90	162	35	48	23	40,5	48	58	60	30	1,130
V0410/RP18	VBCD 1/2" SE RP 1:8	G 1/2"	90	162	35	48	23	40,5	48	58	60	30	1,130
V0411	VBCD 3/4" SE	G 3/4"	118	190	47	71	23	47	72,5	72,5	80	35	2,150
V0411/RP18	VBCD 3/4" SE RP 1:8	G 3/4"	118	190	47	71	23	47	72,5	72,5	80	35	2,150

Doppeltes lasthalte Ventil

TYPE

VBCD DE

HYDRAULIC DIAGRAM



DOUBLE OVERCENTRE VALVES

USE AND OPERATION:

These valves are used to control actuator's movements and block in both directions in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to the maximum load pressure.

APPLICATIONS:

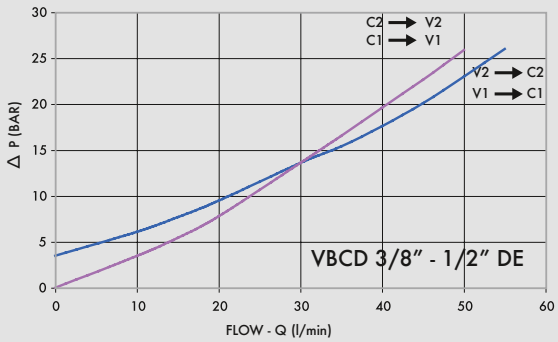
Connect V1 and V2 to the pressure flow, C1 and C2 to the actuator to be controlled. In-line mounting.

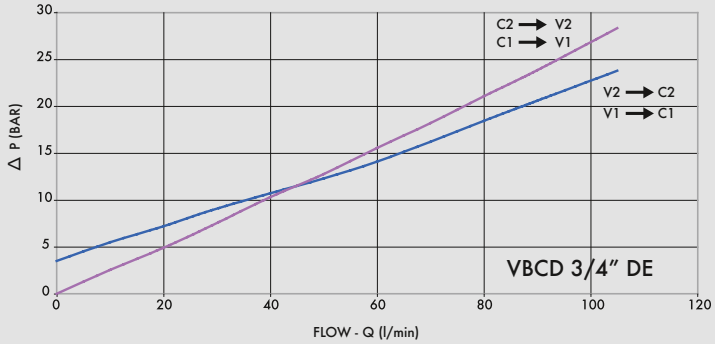
ON REQUEST

- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

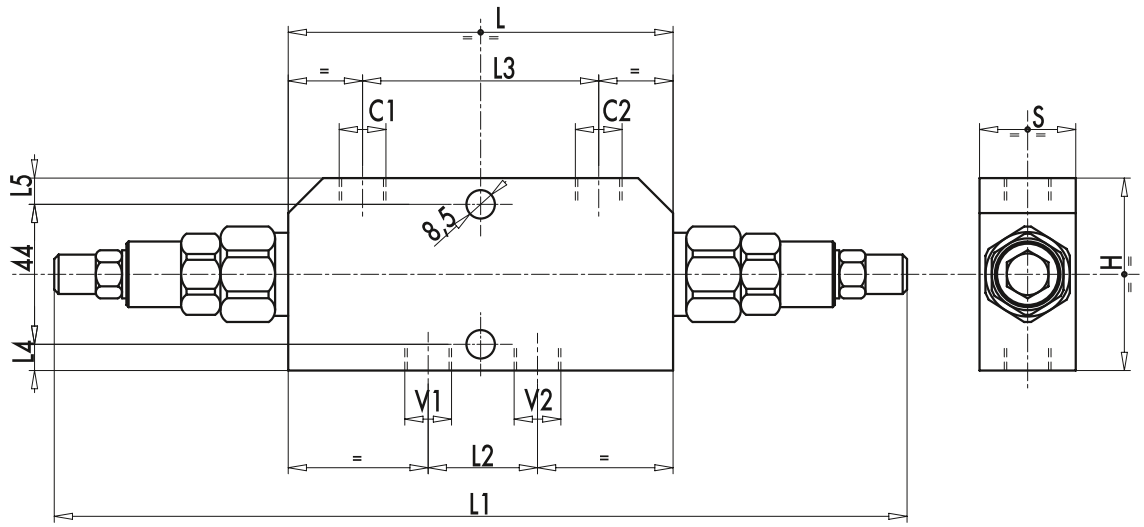
PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt





CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0420	VBCD 3/8" DE	1:3,1	35	350
V0420/RP18	VBCD 3/8" DE RP 1:8	1:8	35	350
V0430	VBCD 1/2" DE	1:3,1	50	350
V0430/RP18	VBCD 1/2" DE RP 1:8	1:8	50	350
V0431	VBCD 3/4" DE	1:5,5	105	350
V0431/RP18	VBCD 3/4" DE RP 1:8	1:8	105	350



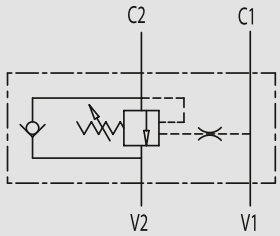
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	H mm	S mm	WEIGHT kg
V0420	VBCD 3/8" DE	G 3/8"	120	264	34	73	8	8	60	30	1,724
V0420/RP18	VBCD 3/8" DE RP 1:8	G 3/8"	120	264	34	73	8	8	60	30	1,724
V0430	VBCD 1/2" DE	G 1/2"	120	264	36	73	8	8	60	30	1,688
V0430/RP18	VBCD 1/2" DE RP 1:8	G 1/2"	120	264	36	73	8	8	60	30	1,688
V0431	VBCD 3/4" DE	G 3/4"	152	296	58	106	15	21	80	35	3,000
V0431/RP18	VBCD 3/4" DE RP 1:8	G 3/4"	152	296	58	106	15	21	80	35	3,000

Einfaches lasthalte Ventil
Typ A

TYPE

VBCD SE A

HYDRAULIC DIAGRAM



SINGLE OVERCENTRE VALVES – TYPE A

USE AND OPERATION:

These valves are used to control actuator's movements and block in one direction in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. The A type is different in the connections position and the pilot ratio.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to the maximum load pressure.

APPLICATIONS:

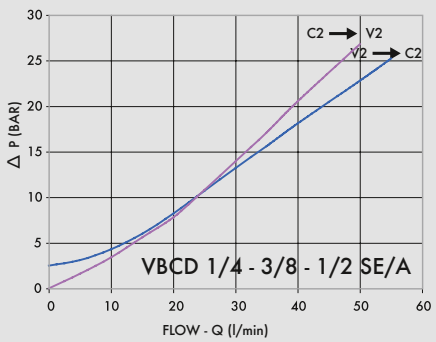
Connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and C2 to the actuator's side you want the flow to be blocked. In-line mounting.

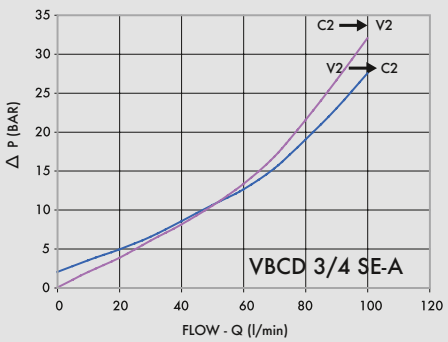
ON REQUEST

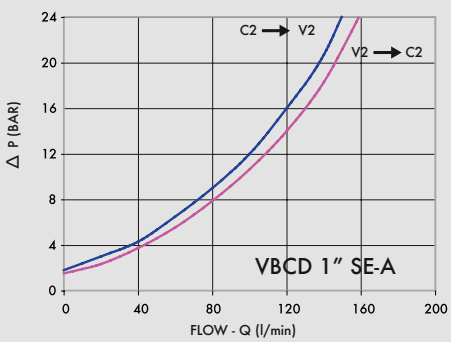
- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt







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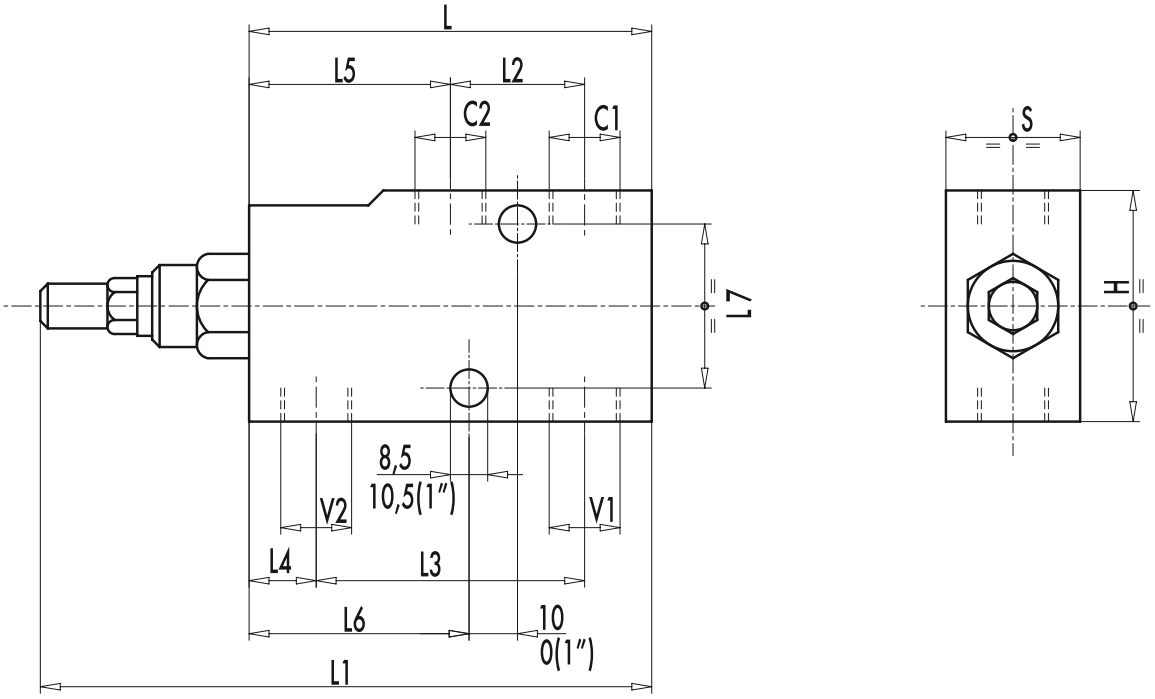
CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0382	VBCD 1/4" SE/A	1:4,5	20	350
V0392	VBCD 3/8" SE/A	1:4,5	40	350
V0412	VBCD 1/2" SE/A	1:4,5	60	350
V0419	VBCD 3/4" SE/A	1:5,5	95	350
V0417	VBCD 1" SE/A	1:5,5	160	350



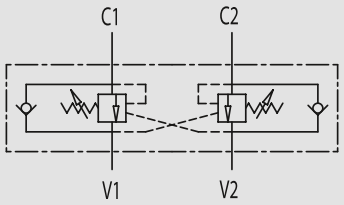
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	H mm	S mm	WEIGHT kg
V0382	VBCD 1/4" SE/A	G 1/4"	100	149	30	60	20	50	55	44	60	30	1,310
V0392	VBCD 3/8" SE/A	G 3/8"	100	149	30	60	20	50	55	44	60	30	1,256
V0412	VBCD 1/2" SE/A	G 1/2"	100	149	36	65	20	50	57,5	44	60	30	1,196
V0419	VBCD 3/4" SE/A	G 3/4"	127	187	46	85	23,5	62,5	75	44	80	35	2,372
V0417	VBCD 1" SE /A	G 1"	156	213	70	109,5	23,5	63	75	70	90	50	5,520

Doppeltes lasthalte Ventil
Typ A

TYPE

VBCD DE A

HYDRAULIC DIAGRAM



DOUBLE OVERCENTRE VALVES – TYPE A

USE AND OPERATION:

These valves are used to control actuator's movements and block in both directions in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. The A type is different for the ports position and the pilot ratio.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure

APPLICATIONS:

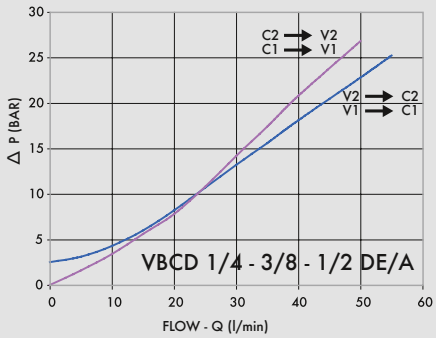
Connect V1 and V2 to the pressure flow, C1 and C2 to the actuator to be controlled. In-line mounting.

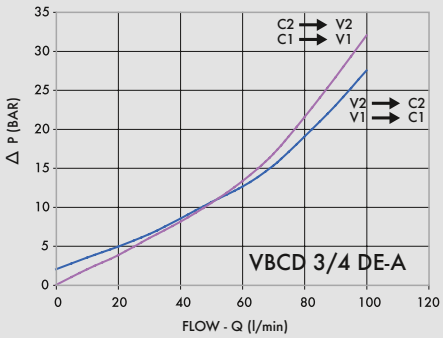
ON REQUEST

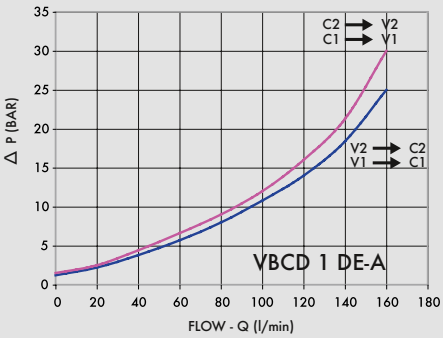
- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

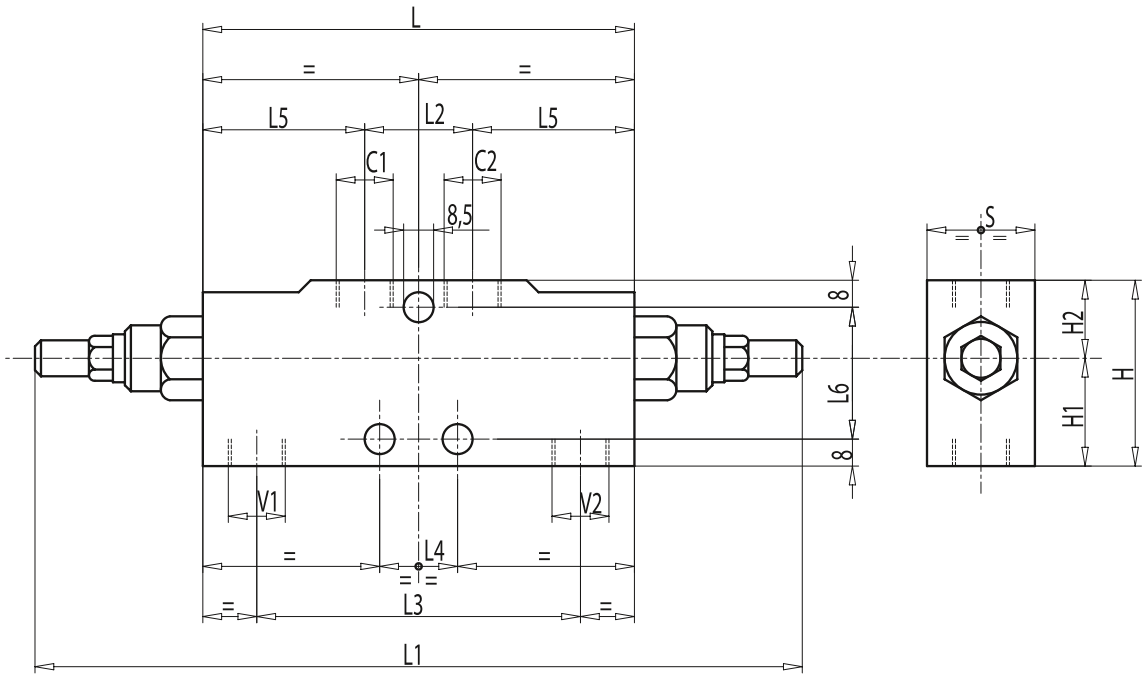
Oil temperature: 50° C - Oil viscosity: 30 cSt







CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0418	VBCD 1/4" DE/A	1:4,5	20	350
V0422	VBCD 3/8" DE/A	1:4,5	40	350
V0432	VBCD 1/2" DE/A	1:4,5	60	350
V0435	VBCD 3/4" DE/A	1:5,5	95	350
V0436	VBCD 1" DE/A	1:5,5	160	350



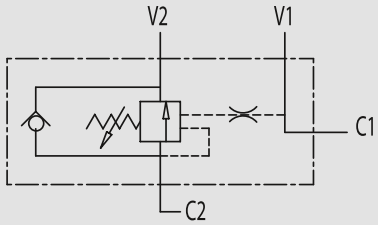
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H1 mm	H2 mm	H mm	S mm	WEIGHT kg
V0418	VBCD 1/4" DE/A	G 1/4"	150	248	50	110	30	50	44	32	28	60	30	1,968
V0422	VBCD 3/8" DE/A	G 3/8"	150	248	50	110	30	50	44	32	28	60	30	1,944
V0432	VBCD 1/2" DE/A	G 1/2"	150	248	50	110	30	50	44	32	28	60	30	1,886
V0435	VBCD 3/4" DE/A	G 3/4"	190	304	65	143	44	62,5	64	40	40	80	35	3,820
V0436	VBCD 1" DE /A	G 1"	210	319	66	158	190	72	/	45	45	90	50	7,120

Einfaches lasthalte Ventil flanschbar

TYPE

VBCD SE FL

HYDRAULIC DIAGRAM



SINGLE OVERCENTRE VALVES FLANGEABLE

USE AND OPERATION:

These valves are used to control actuator's movements and block in one direction in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. Flange ports enable direct mounting of the valve on the actuator.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

APPLICATIONS:

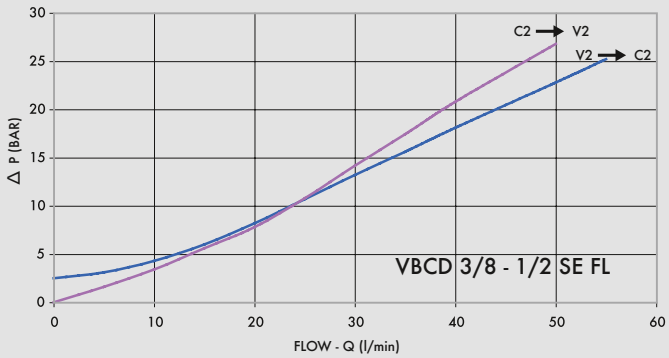
Connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and flange C2 to the actuator's side you want the flow to be blocked. V1 and V2 ports are reversible.

ON REQUEST

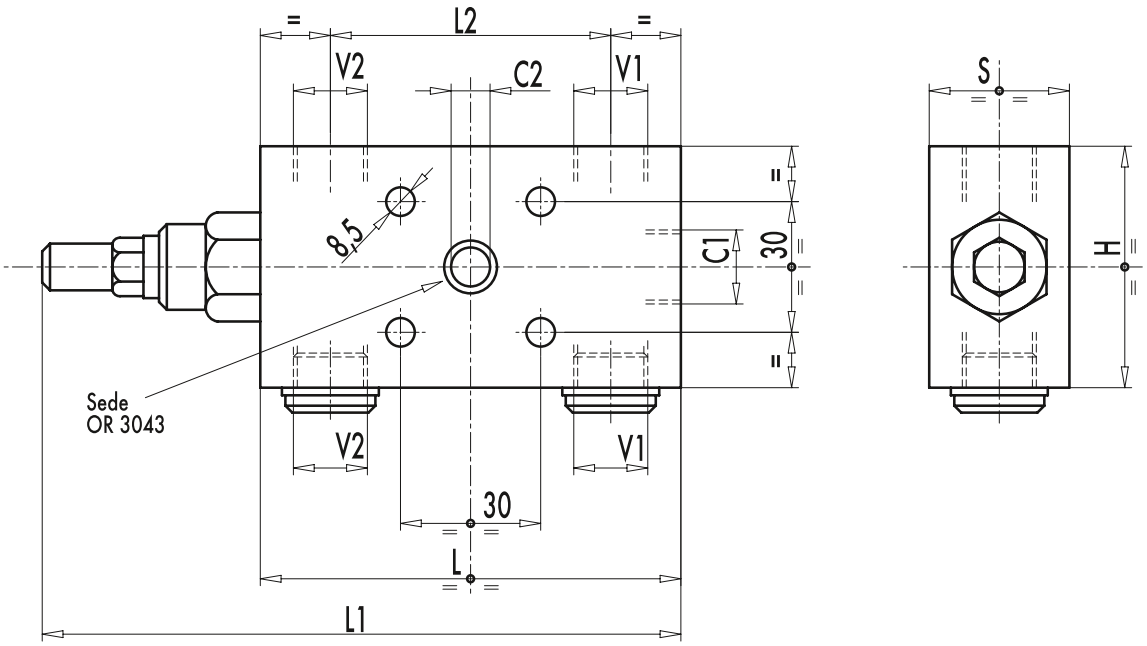
- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



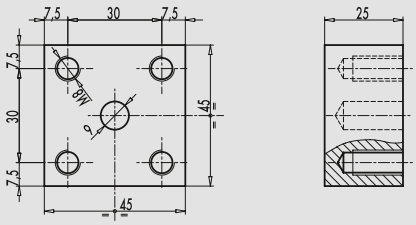
CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0400	VBCD 3/8" SE/FL	1:4,5	40	350
V0402	VBCD 1/2" SE/FL	1:4,5	60	350



CODE	TYPE	V1 - V2 C1 GAS	C2 mm	L mm	L1 mm	L2 mm	H mm	S mm	WEIGHT kg
V0400	VBCD 3/8" SE/FL	G 3/8"	Ø9	100	149	60	60	30	1,248
V0402	VBCD 1/2" SE/FL	G 1/2"	Ø9	100	149	65	60	30	1,212

VALVE'S FLANGE:

CODE
B8000

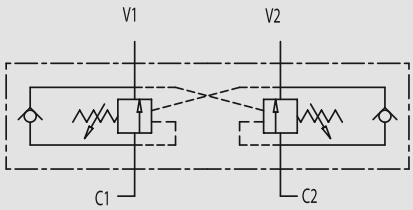


Doppeltes lasthalte Ventil flanschbar

TYPE

VBCD DE FL

HYDRAULIC DIAGRAM



DOUBLE OVERCENTRE VALVES FLANGEABLE

USE AND OPERATION:

These valves are used to control actuator's movements and block in both directions in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. Flange ports enable direct mounting of the valve on the actuator.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

APPLICATIONS:

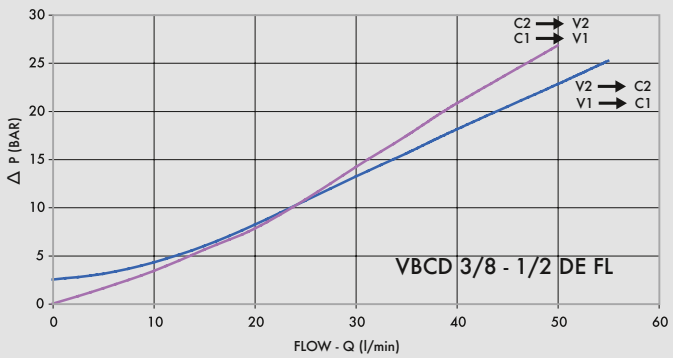
Connect V1 and V2 to the pressure flow and flange C1 and C2 directly to the actuator.

ON REQUEST

- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



ABITEK
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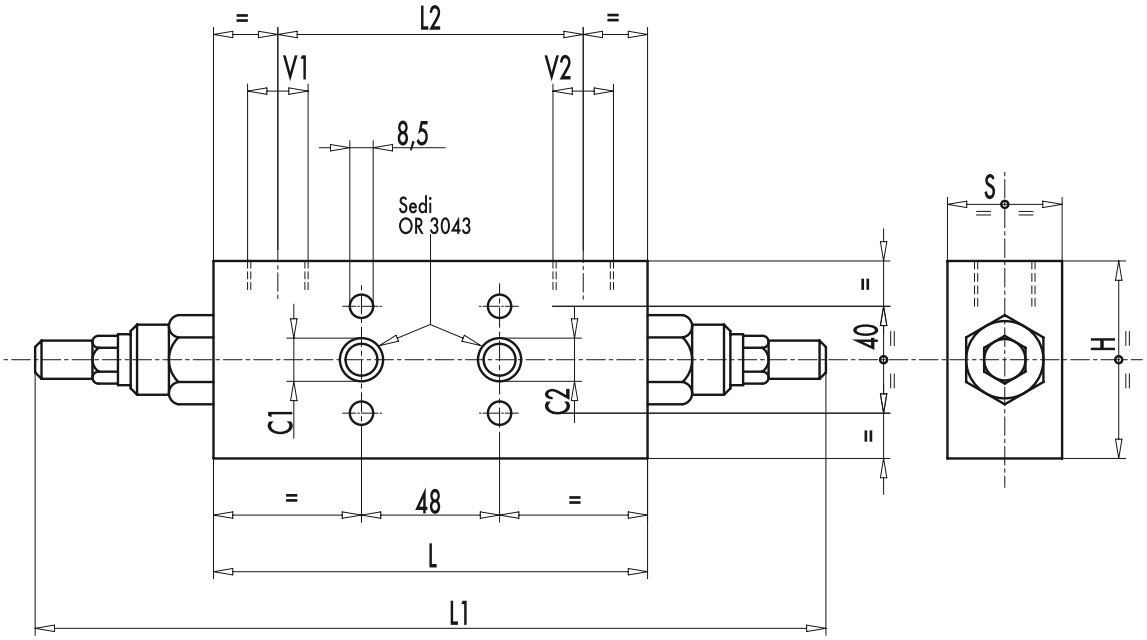
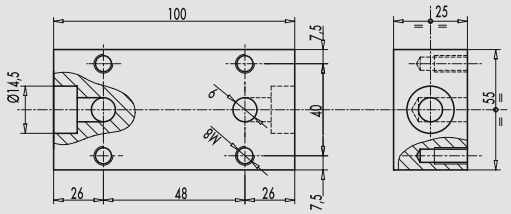
CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0424	VBCD 3/8" DE/FL	1:4,5	40	350
V0434	VBCD 1/2" DE/FL	1:4,5	60	350



CODE	TYPE	V1 - V2 GAS	C1 - C2 mm	L mm	L1 mm	L2 mm	H mm	S mm	WEIGHT kg
V0424	VBCD 3/8" DE/FL	G 3/8"	Ø9	150	248	110	60	30	2,012
V0434	VBCD 1/2" DE/FL	G 1/2"	Ø9	150	248	110	60	30	1,980

VALVE'S FLANGE:

CODE
B8500

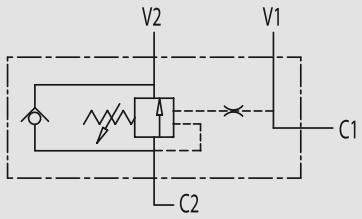


Einfaches lasthalte Ventil
Direktmontage mit Hohlschraube

TYPE

VBCD SE FLV

HYDRAULIC DIAGRAM



SINGLE OVERCENTRE VALVES FIXING BY SCREW

USE AND OPERATION:

These valves are used to control actuator's movements and block in one direction in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. The special connection by screw, supplied with the valve, enables direct mounting of the valve on the actuator.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

APPLICATIONS:

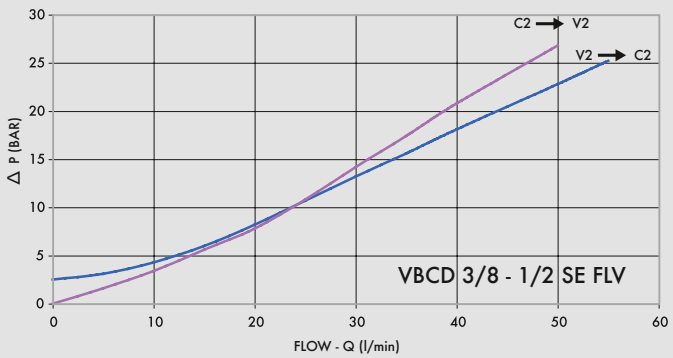
Connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and flange C2 directly to the actuator's side you want the flow to be blocked by the screw.

ON REQUEST

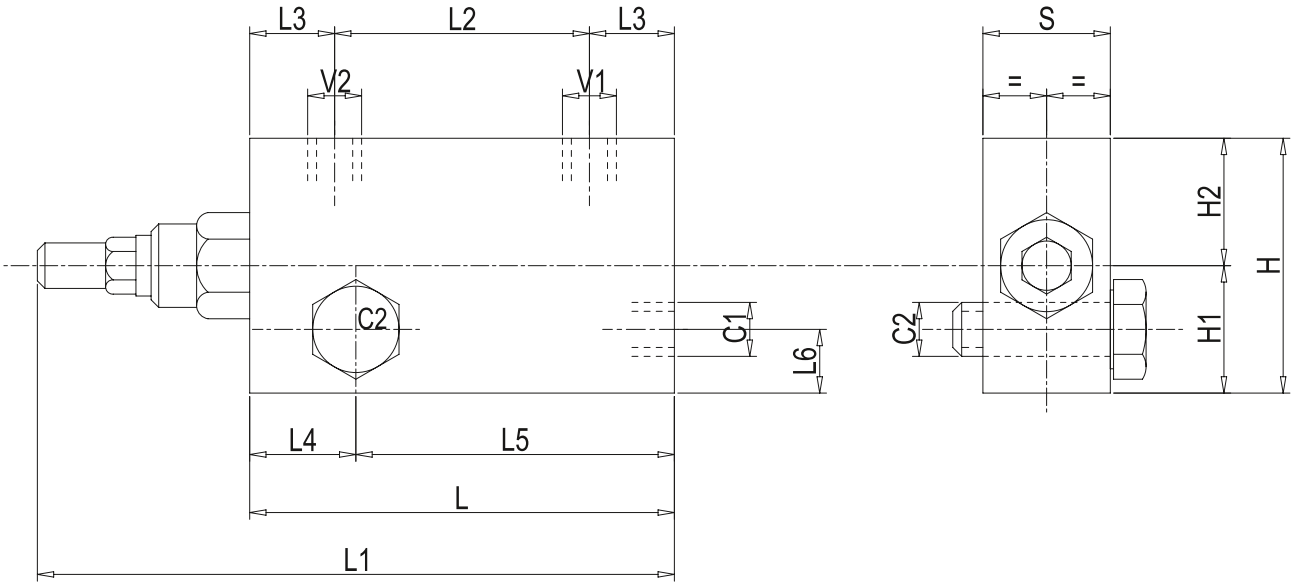
- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0392/FLV	VBCD 3/8" SE/A FLV	1:4,5	40	350
V0412/FLV	VBCD 1/2" SE/A FLV	1:4,5	60	350



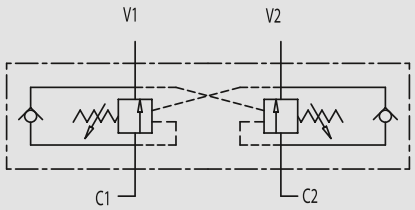
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H1 mm	H2 mm	H mm	S mm	WEIGHT kg
V0392/FLV	VBCD 3/8" SE/A FLV	G 3/8"	100	150	60	20	22	78	15	40	30	70	30	1,350
V0412/FLV	VBCD 1/2" SE/A FLV	G 1/2"	100	150	60	20	24	76	15	40	30	70	30	1,310

Doppeltes lasthalte Ventil
Direktmontage mit Hohlschraube

TYPE

VBCD DE FLV

HYDRAULIC DIAGRAM



DOUBLE OVERCENTRE VALVES FIXING BY SCREW

USE AND OPERATION:
These valves are used to control actuator's movements and block in both directions in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. The special connection by screw, supplied with the valve, enables direct mounting of the valve on the actuator.

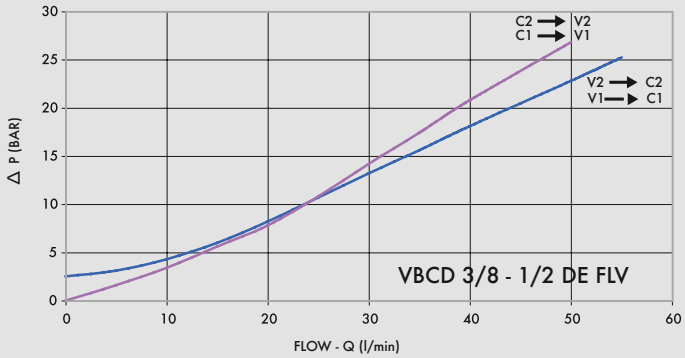
MATERIALS AND FEATURES:
Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

APPLICATIONS:
Connect V1 and V2 to the pressure flow and flange C1 and C2 directly to the actuator throught the provided screw.

ON REQUEST
- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



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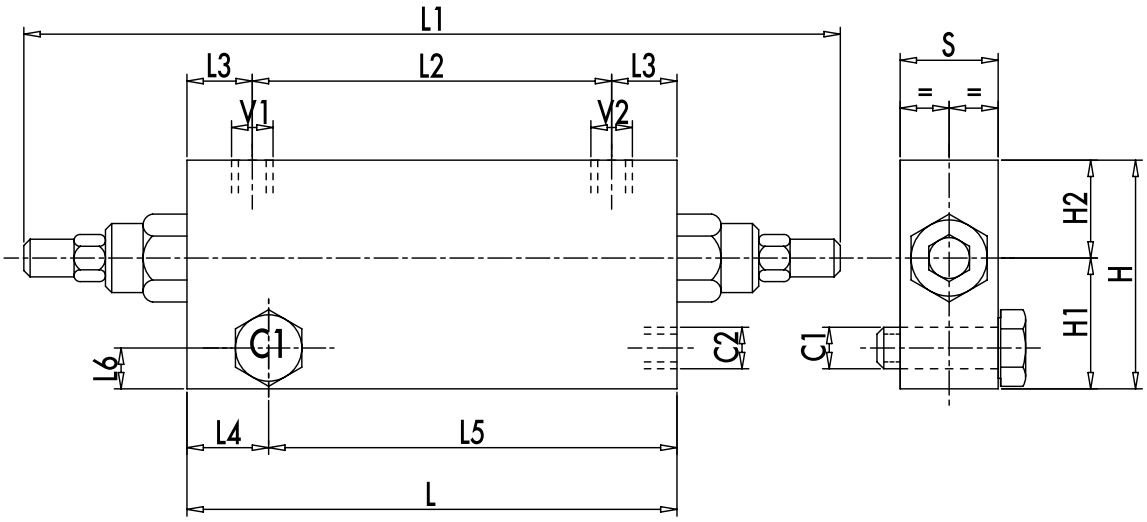
CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0422/FLV	VBCD 3/8" DE/A FLV	1:4,5	40	350
V0432/FLV	VBCD 1/2" DE/A FLV	1:4,5	60	350



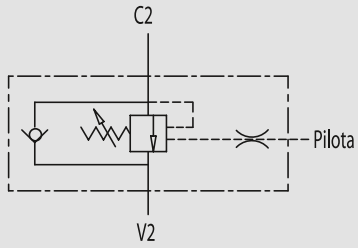
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H1 mm	H2 mm	H mm	S mm	WEIGHT kg
V0422/FLV	VBCD 3/8" DE/A FLV	G 3/8"	150	250	110	20	22	128	17	44	26	70	30	2,414
V0432/FLV	VBCD1/2" DE/A FLV	G 1/2"	150	250	110	20	24	126	19	50	30	80	30	2,700

Einfaches lasthalte Ventil 3 Wege

TYPE

VBCD DE 3 VIE

HYDRAULIC DIAGRAM



SINGLE OVERCENTRE VALVES, 3 WAYS

USE AND OPERATION:
These valves are used to control actuator's movements and block in one direction in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator.
External pilot line.

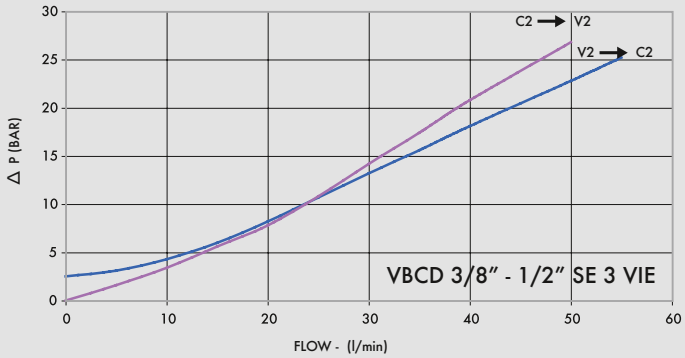
MATERIALS AND FEATURES:
Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to the maximum load pressure.

APPLICATIONS:
Connect V2 to the pressure flow, C2 to the actuator's side to be controlled and pil. to the pilot pressure.

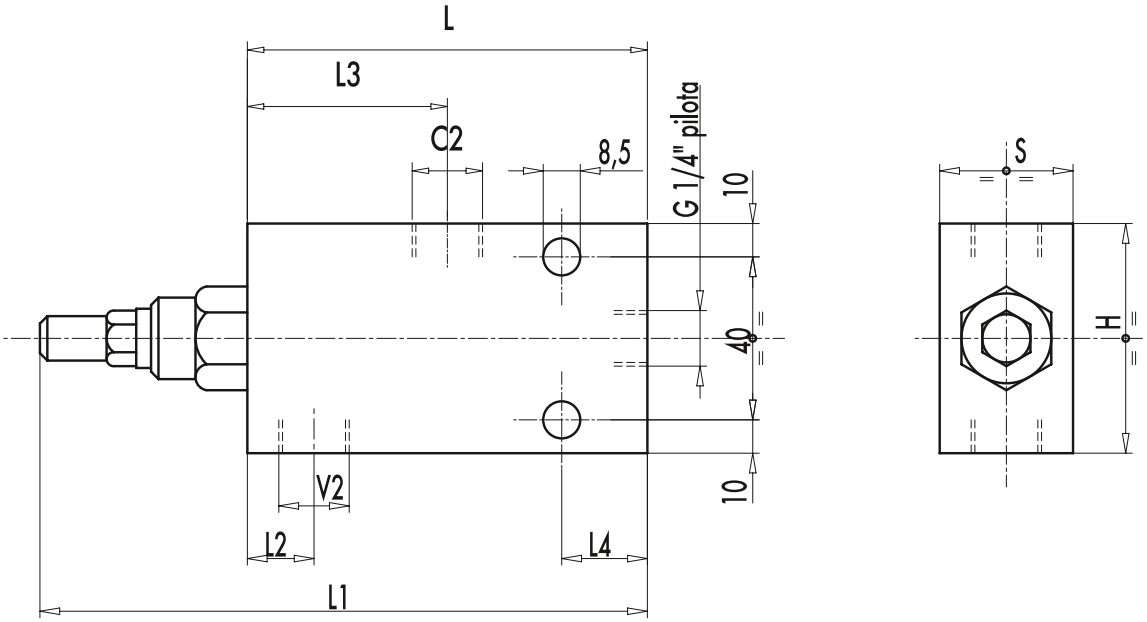
ON REQUEST
- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0394	VBCD 3/8" SE 3 VIE	1: 4,5	40	350
V0414	VBCD 1/2" SE 3 VIE	1: 4,5	60	350



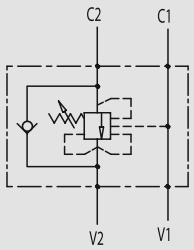
CODE	TYPE	C2 - V2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	H mm	S mm	WEIGHT kg
V0394	VBCD 3/8" SE 3 VIE	G 3/8"	100	149	20	50	25	60	30	1,338
V0414	VBCD 1/2" SE 3 VIE	G 1/2"	100	149	20	50	25	60	30	1,306

Einfaches lasthalte Ventil
Closed Center (druckaufbau)

TYPE

VBCD SE CC

HYDRAULIC DIAGRAM



SINGLE OVERCENTRE VALVES FOR CLOSED CENTRE

USE AND OPERATION:
These valves are used to control actuator's movements and block in one direction in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. This valve is ideal when normal overcentre valves doesn't work properly as it's not sensitive to back pressure. They allow to work in series with more movements.

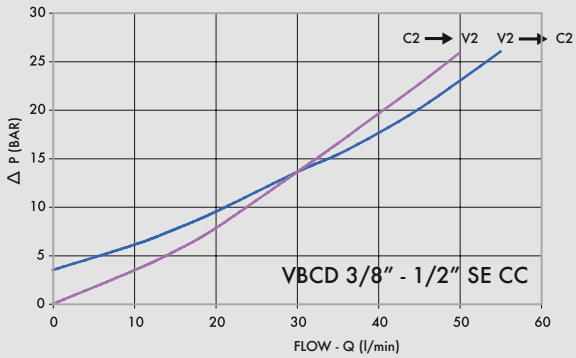
MATERIALS AND FEATURES:
Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to the maximum load pressure.

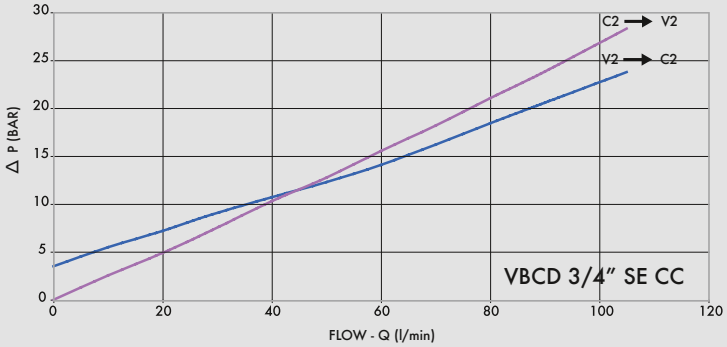
APPLICATIONS:
Connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and C2 to the actuator's side you want the flow to be blocked. In-line mounting.

ON REQUEST
- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

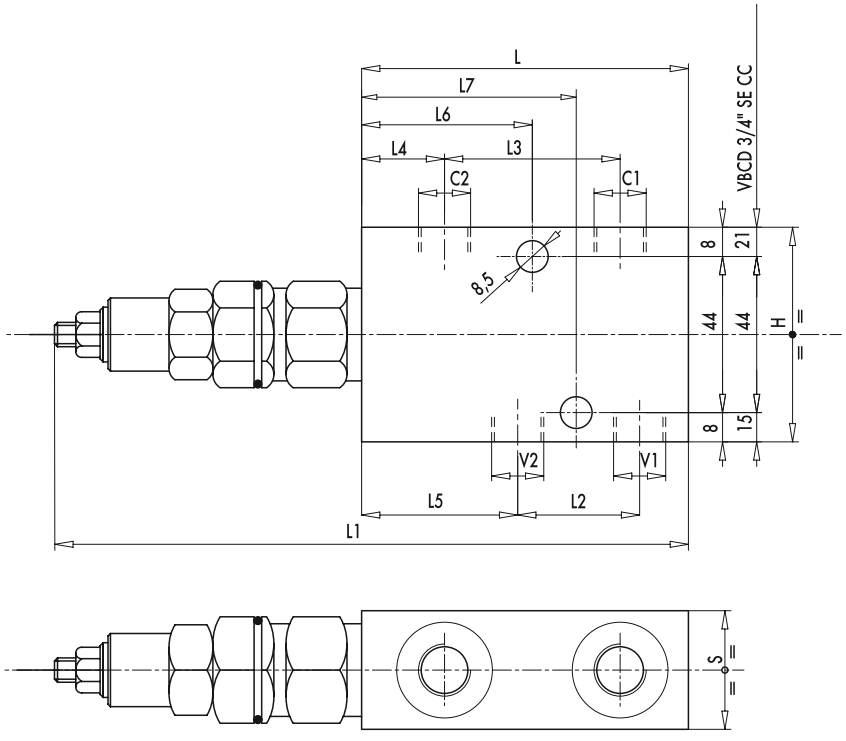
Oil temperature: 50° C - Oil viscosity: 30 cSt





ABITEK
Hydraulik • Antriebstechnik

CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0407	VBCD 3/8" SE CC	1:3,1	35	350
V0407/RP18	VBCD 3/8" SE CC RP 1:8	1:8	35	350
V0408	VBCD 1/2" SE CC	1:3,1	50	350
V0408/RP18	VBCD 1/2" SE CC RP 1:8	1:8	50	350
V0409	VBCD 3/4" SE CC	1:5,5	105	350
V0409/RP18	VBCD 3/4" SE CC RP 1:8	1:8	105	350



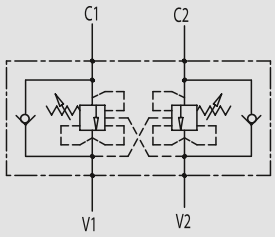
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	H mm	S mm	WEIGHT kg
V0407	VBCD 3/8" SE CC	G 3/8"	90	174	32	48	23	42	48	58	60	30	1,228
V0407/RP18	VBCD 3/8" SE CC RP 1:8	G 3/8"	90	174	32	48	23	42	48	58	60	30	1,228
V0408	VBCD 1/2" SE CC	G 1/2"	90	174	35	48	23	40,5	48	58	60	30	1,228
V0408/RP18	VBCD 1/2" SE CC RP 1:8	G 1/2"	90	174	35	48	23	40,5	48	58	60	30	1,228
V0409	VBCD 3/4" SE CC	G 3/4"	118	202	47	71	23	47	72,5	72,5	80	35	2,266
V0409/RP18	VBCD 3/4" SE CC RP 1:8	G 3/4"	118	202	47	71	23	47	72,5	72,5	80	35	2,266

Doppeltes lasthalte Ventil
Closed Center (druckaufbau)

TYPE

VBCD DE CC

HYDRAULIC DIAGRAM



DOUBLE OVERCENTRE VALVES FOR CLOSED CENTRE

USE AND OPERATION:

These valves are used to control actuator's movements and block in both directions in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. This valve is ideal when normal overcentre valves doesn't work properly as it's not sensitive to back pressure. They allow to work in series with more movements.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to the maximum load pressure.

APPLICATIONS:

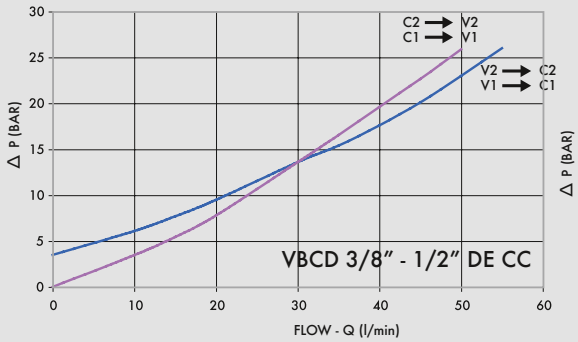
Connect V1 and V2 to the pressure flow, C1 and C2 to the actuator to be controlled.

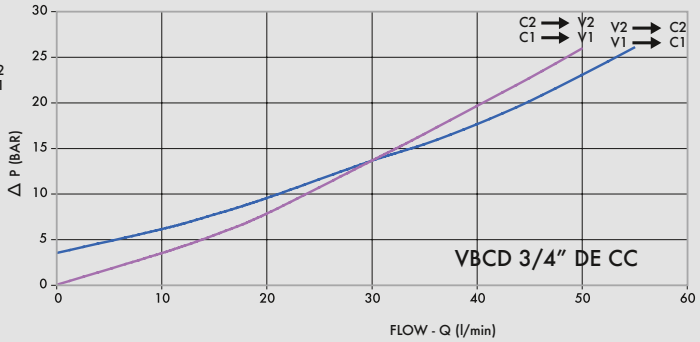
ON REQUEST

- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

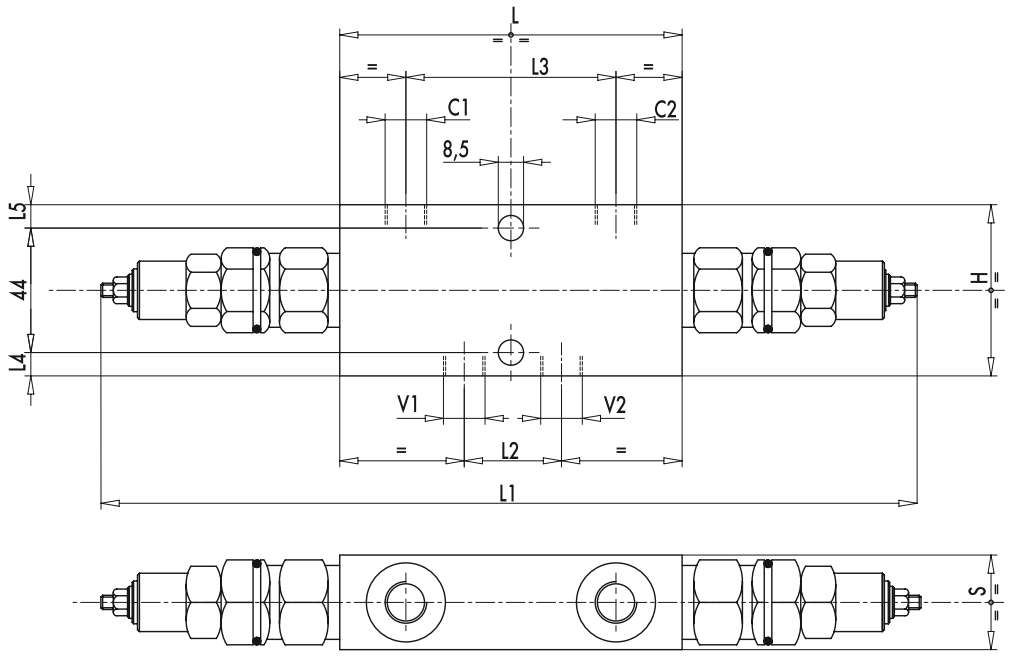
PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt





CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0441	VBCD 3/8" DE CC	1:3,1	35	350
V0441/RP18	VBCD 3/8" DE CC RP 1:8	1:8	35	350
V0442	VBCD 1/2" DE CC	1:3,1	50	350
V0442/RP18	VBCD 1/2" DE CC RP 1:8	1:8	50	350
V0443	VBCD 3/4" DE CC	1:5,5	105	350
V0443/RP18	VBCD 3/4" DE CC RP 1:8	1:8	105	350



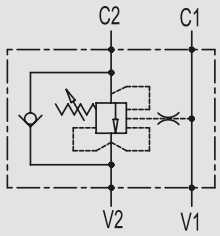
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	H mm	S mm	WEIGHT kg
V0441	VBCD 3/8" DE CC	G 3/8"	120	288	34	73	8	8	60	30	1,902
V0441/RP18	VBCD 3/8" DE CC RP 1:8	G 3/8"	120	288	34	73	8	8	60	30	1,902
V0442	VBCD 1/2" DE CC	G 1/2"	120	288	36	73	8	8	60	30	1,854
V0442/RP18	VBCD 1/2" DE CC RP 1:8	G 1/2"	120	288	36	73	8	8	60	30	1,854
V0443	VBCD 3/4" DE CC	G 3/4"	152	320	58	106	15	21	80	35	3,100
V0443/RP18	VBCD 3/4" DE CC RP 1:8	G 3/4"	152	320	58	106	15	21	80	35	3,100

Einfaches lasthalte Ventil
Closed Center (druckaufbau) - Typ A

TYPE

VBCD SE A CC

HYDRAULIC DIAGRAM



SINGLE OVERCENTRE VALVES FOR CLOSED CENTRE, TYPE A

USE AND OPERATION:

These valves are used to control actuator's movements and block in one direction in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. These valves are ideal when normal overcentre valves doesn't work properly as it's not sensitive to back pressure. They allow to work in series with more movements.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure .

APPLICATIONS:

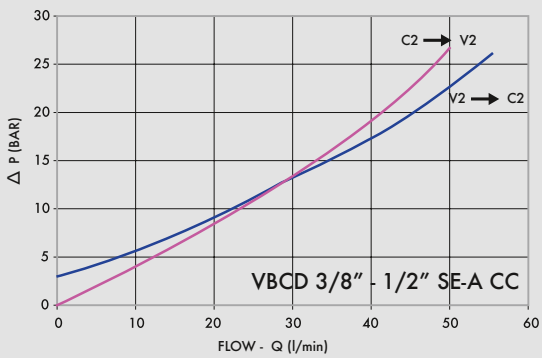
Connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and C2 to the actuator's side you want the flow to be blocked. In-line mounting.

ON REQUEST

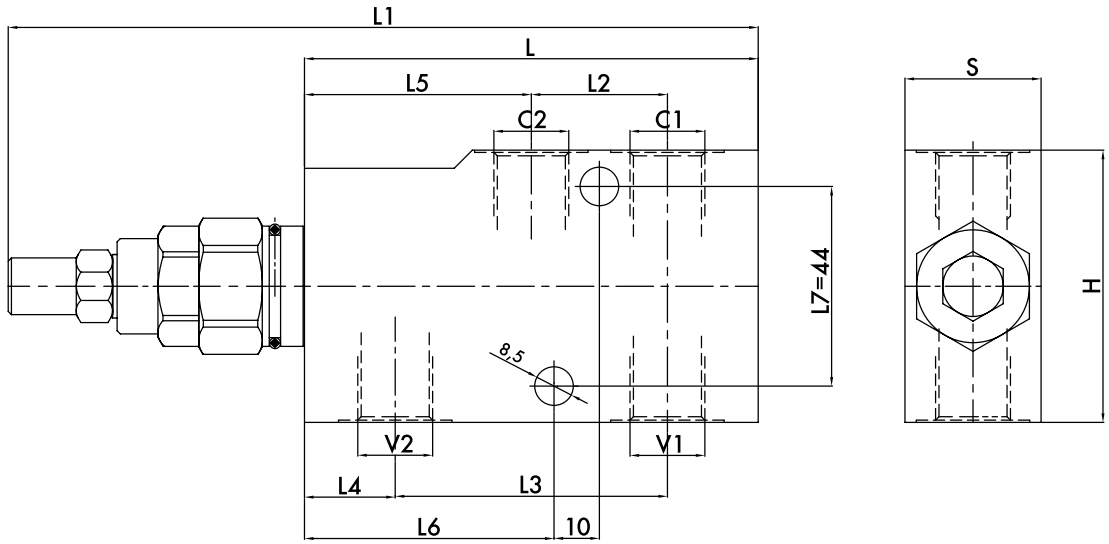
- other settings available
- sealing cap (CODE/P000) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0391	VBCD 3/8" SE-A CC	1: 4,5	40	350
V0393	VBCD 1/2" SE-A CC	1: 4,5	60	350



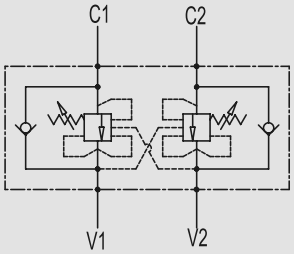
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	H mm	S mm	WEIGHT kg
V0391	VBCD 3/8" SE-A CC	G 3/8"	100	166	30	60	20	50	55	44	60	30	1,300
V0393	VBCD 1/2" SE-A CC	G 1/2"	100	166	36	65	20	50	57,5	44	60	30	1,230

Doppeltes lasthalte Ventil
Closed Center (druckaufbau) - Typ A

TYPE

VBCD DE A CC

HYDRAULIC DIAGRAM



DOUBLE OVERCENTRE VALVES FOR CLOSED CENTRE TYPE A

USE AND OPERATION:

These valves are used to control actuator's movements and block in both directions in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. These valves are ideal when normal overcentre valves doesn't work properly as it's not sensitive to back pressure. They allow to work in series with more movements.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel.
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

APPLICATIONS:

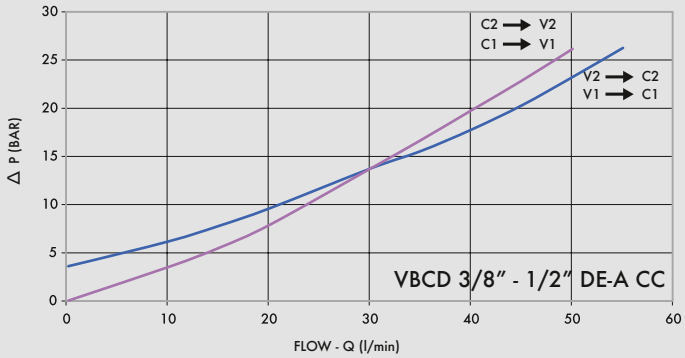
Connect V1 and V2 to the pressure flow, C1 and C2 to the actuator to be controlled.

ON REQUEST

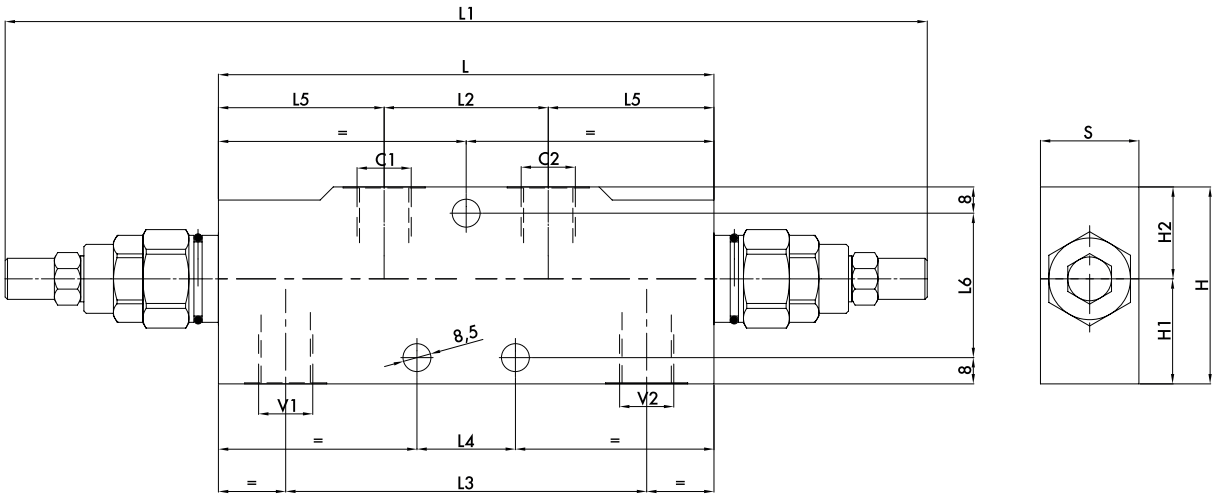
- other settings available
- sealing cap (CODE/P000) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0421	VBCD 3/8" DE-A CC	1: 4,5	40	350
V0423	VBCD 1/2" DE-A CC	1: 4,5	60	350



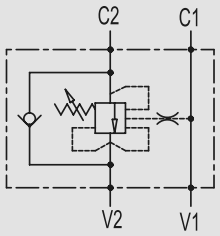
CODE	TYPE	V1 - V2 C1 - C2 GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	H mm	H1 mm	H2 mm	S mm	WEIGHT kg
V0421	VBCD 3/8" DE-A CC	G 3/8"	150	282	50	110	30	50	44	60	32	28	30	2,058
V0423	VBCD 1/2" DE-A CC	G 1/2"	150	282	50	110	30	50	44	60	32	28	30	1,994

Einfaches lasthalte Ventil
Closed Center (druckaufbau) - flanschbar

TYPE

VBCD SE FL CC

HYDRAULIC DIAGRAM



SINGLE OVERCENTRE VALVES FLANGEABLE, CLOSED CENTRE

USE AND OPERATION:
These valves are used to control actuator's movements and block in one direction in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. This valve is ideal when normal overcentre valves doesn't work properly as it's not sensitive to back pressure. Flange ports enable direct mounting of the valve to the actuator.

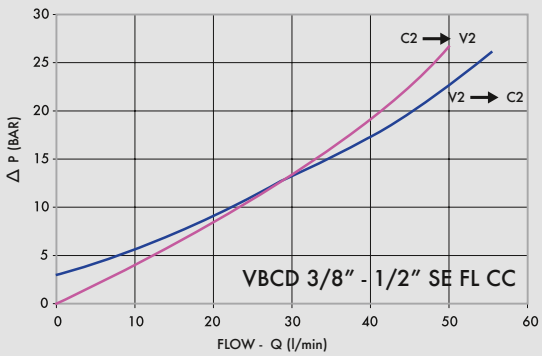
MATERIALS AND FEATURES:
Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

APPLICATIONS:
Connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and flange C2 to the actuator's side you want the flow to be blocked. V1 and V2 ports are reversible.

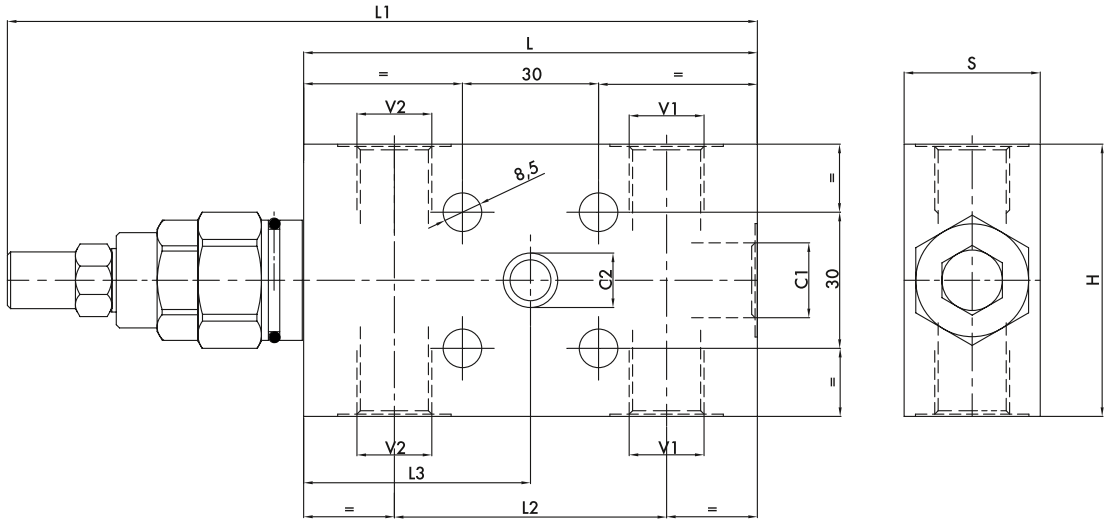
ON REQUEST
- other settings available
- sealing cap (CODE/P000) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt



CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0403	VBCD 3/8" SE FL CC	1: 4,5	40	350
V0404	VBCD 1/2" SE FL CC	1: 4,5	60	350



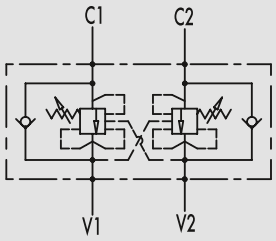
CODE	TYPE	V1 - V2 C1 - C2 GAS	ØC2 mm	L mm	L1 mm	L2 mm	L3 mm	H mm	S mm	WEIGHT kg
V0403	VBCD 3/8" SE FL CC	G 3/8"	9	100	166	60	50	60	30	1,256
V0404	VBCD 1/2" SE FL CC	G 1/2"	9	100	166	60	50	60	30	1,200

Doppeltes lasthalte Ventil
Closed Center (druckaufbau) - flanschbar

TYPE

VBCD DE FL CC

HYDRAULIC DIAGRAM



DOUBLE OVERCENTRE VALVES FLANGEABLE, CLOSED CENTRE

USE AND OPERATION:

These valves are used to control actuator's movements and block in both directions in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. This valve is ideal when normal overcentre valves doesn't work properly as it's not sensitive to back pressure. Flange ports enable direct mounting of the valve to the actuator.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

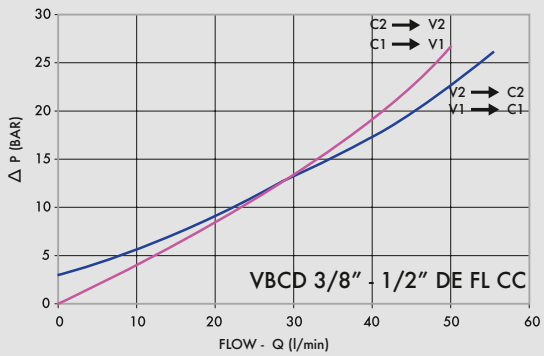
APPLICATIONS:

Connect V1 and V2 to the pressure flow and flange C1 and C2 directly to the actuator.

ON REQUEST

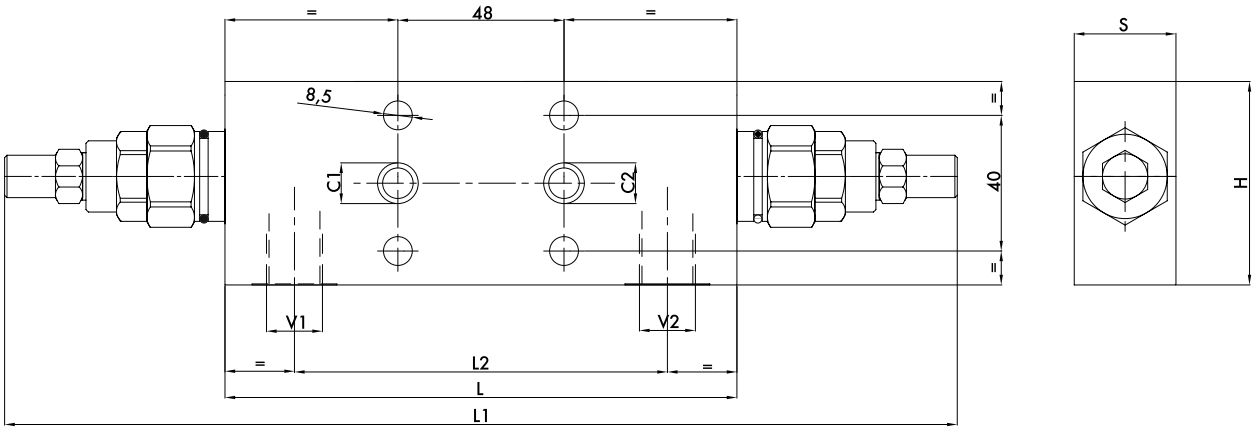
- other setting available
- sealing cap (CODE/P000) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE



Oil temperature: 50° C - Oil viscosity: 30 cSt

CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0433	VBCD 3/8" DE FL CC	1: 4,5	40	350
V0437	VBCD 1/2" DE FL CC	1: 4,5	60	350



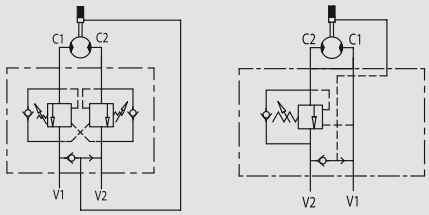
CODE	TYPE	V1 - V2 C1 - C2 GAS	ØC2 mm	L mm	L1 mm	L2 mm	H mm	S mm	WEIGHT kg
V0433	VBCD 3/8" DE FL CC	G 3/8"	9	150	282	110	60	30	2,016
V0437	VBCD 1/2" DE FL CC	G 1/2"	9	150	282	110	60	30	1,996

Einfaches lasthalte Ventil
flanschbar auf Danfoss Motoren Serie OMP - OMR

TYPE
VBCDF DE OMP/OMR

TYPE
VBCDF SE
OMP/OMR

HYDRAULIC DIAGRAM (with brake unclaping - SF)



V0425/SF V0415/SF

OVERCENTRE VALVES FLANGEABLE ON DANFOSS MOTORS OMP/OMR

USE AND OPERATION:

These valves are used to control actuator's movements and block in one direction (SE) or in both directions (DE) in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator. Direct flange is ideal for Danfoss engines type OMP-OMR and provides a maximum safety, very low pressure drops and solid installation.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

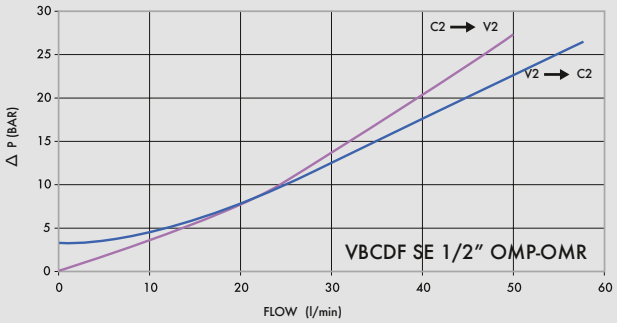
APPLICATIONS:

Single pilot: connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and flange C2 to the motor's side you want the flow to be blocked.
Double pilot: connect V1 and V2 to the pressure flow and flange C1 and C2 directly to the engine.

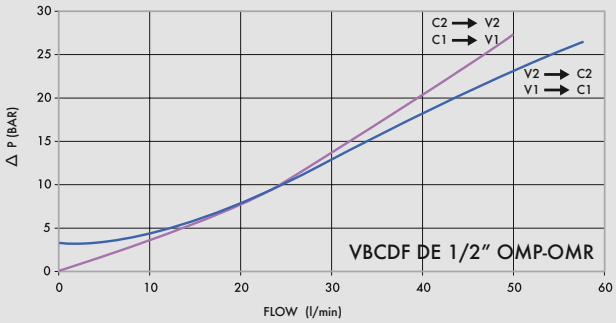
ON REQUEST

- other settings available
- sealing cap (CODE/P000) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

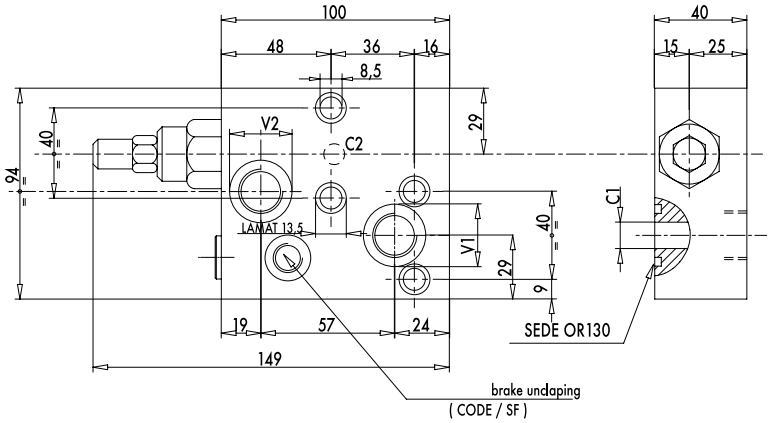


Oil temperature: 50° C - Oil viscosity: 30 cSt

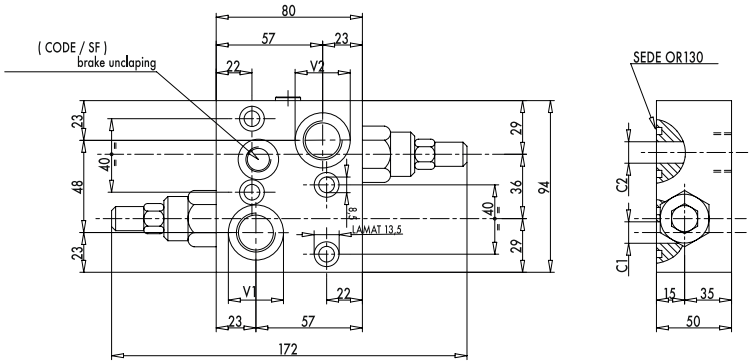


CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0415	VBCDF 1/2" SE OMP-OMR	1: 4,5	50	350
V0415/SF	VBCDF 1/2" SE OMP-OMR SF	1: 4,5	50	350
V0425	VBCDF 1/2" DE OMP-OMR	1: 4,5	50	350
V0425/SF	VBCDF 1/2" DE OMP-OMR SF	1: 4,5	50	350

VBCDF SE OMP/OMR



VBCDF DE OMP/OMR



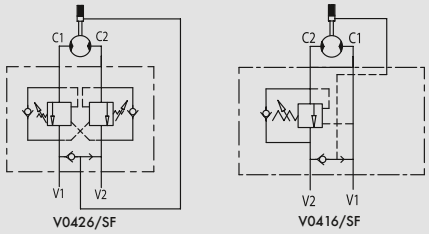
CODE	TYPE	V1 - V2 GAS	C1-C2 mm	WEIGHT Kg
V0415	VBCDF 1/2" SE OMP-OMR	G 1/2"	Ø9	2,686
V0415/SF	VBCDF 1/2" SE OMP-OMR SF	G 1/2"	Ø9	2,686
V0425	VBCDF 1/2" DE OMP-OMR	G 1/2"	Ø9	2,708
V0425/SF	VBCDF 1/2" DE OMP-OMR SF	G 1/2"	Ø9	2,708

Einfaches lasthalte Ventil flanschbar auf Danfoss Serie OMS

TYPE
VBCDF DE OMS

TYPE
VBCDF SE OMS

HYDRAULIC DIAGRAM (with brake unclaping - SF)



OVERCENTRE VALVES FLANGEABLE ON DANFOSS MOTORS OMS

USE AND OPERATION:

These valves are used to control actuator's movements and block in one direction (SE) or in both directions (DE) in order to have a under control descent of a load; load's weight doesn't carry it away, as the valve prevents any cavitations of the actuator.Direct flange is ideal for Danfoss engine type OMS and provides a maximum safety, very low pressure drops and solid installation.

MATERIALS AND FEATURES:

Body: zinc-plated steel
Internal parts: hardened and ground steel
Seals: BUNA N standard
Tightness: minor leakage
Standard setting: 320 Bar
Valve setting must be at least 1,3 times more than load pressure in order to enable the valve to close even when undergone to maximum load pressure.

APPLICATIONS:

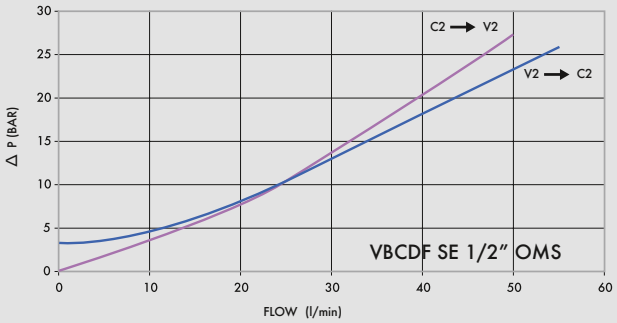
Single pilot: connect V1 and V2 to the pressure flow, C1 to the free flow side of the actuator and flange C2 to the motor's side you want the flow to be blocked.
Double pilot: connect V1 and V2 to the pressure flow and flange C1 and C2 directly to the engine.

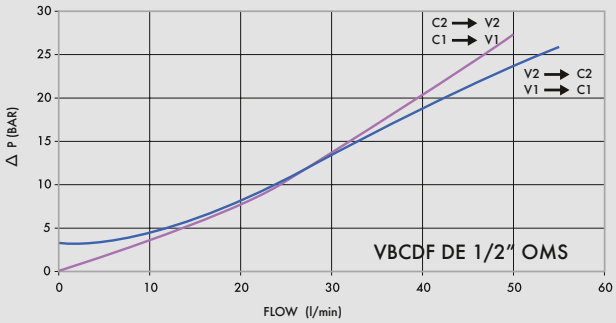
ON REQUEST

- other settings available
- sealing cap (CODE/P) and arranged for sealing cap (CODE/PP)

PRESSURE DROPS CURVE

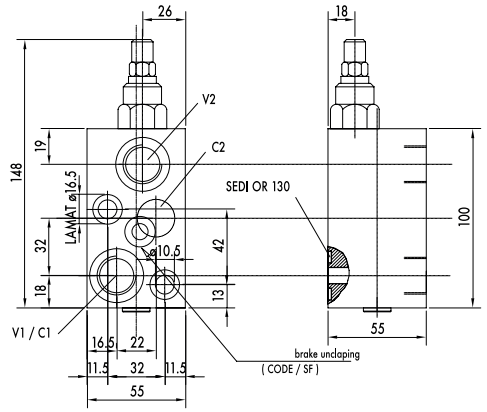
Oil temperature: 50° C - Oil viscosity: 30 cSt



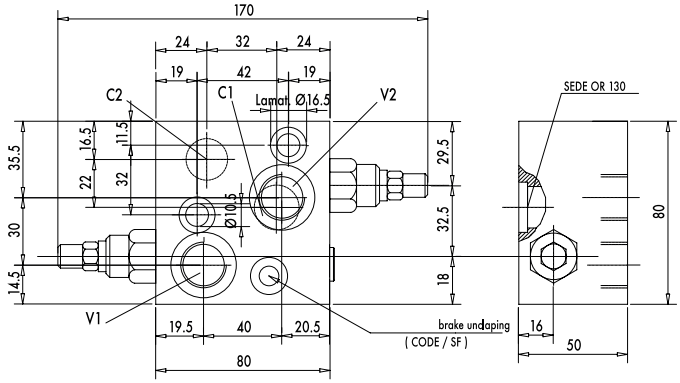


CODE	TYPE	PILOT RATIO	MAX FLOW Lt. / min	MAX PRESSURE Bar
V0416	VBCDF 1/2" SE OMS	1: 4,5	50	350
V0416/SF	VBCDF 1/2" SE OMS SF	1: 4,5	50	350
V0426	VBCDF 1/2" DE OMS	1: 4,5	50	350
V0426/SF	VBCDF 1/2" DE OMS SF	1: 4,5	50	350

VBCDF SE OMS



VBCDF DE OMS



CODE	TYPE	V1 - V2 GAS	C1-C2 mm	WEIGHT Kg
V0416	VBCDF 1/2" SE OMS	G 1/2"	Ø9	1,700
V0416/SF	VBCDF 1/2" SE OMS SF	G 1/2"	Ø9	1,700
V0426	VBCDF 1/2" DE OMS	G 1/2"	Ø9	2,150
V0426/SF	VBCDF 1/2" DE OMS SF	G 1/2"	Ø9	2,150