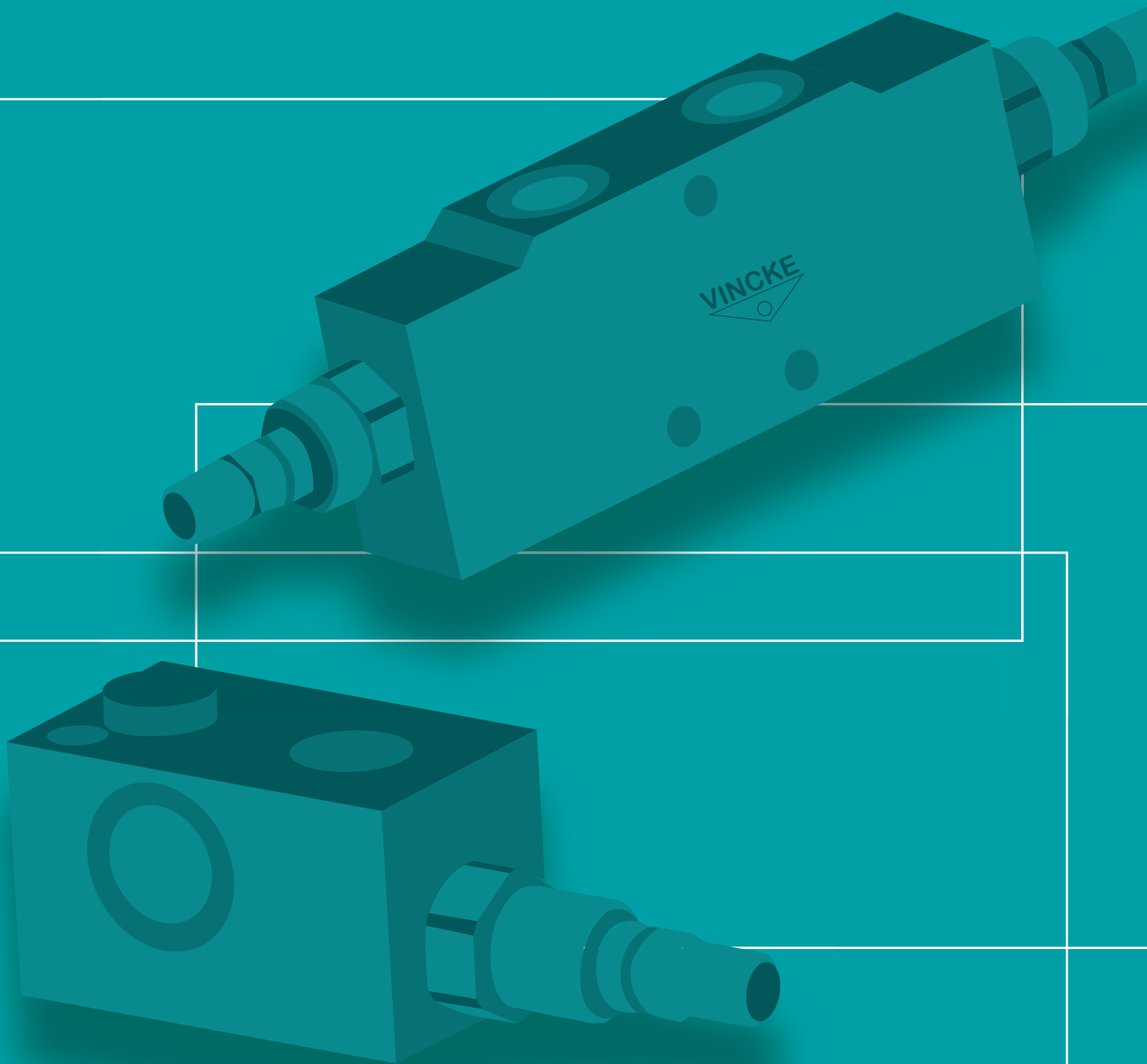


# IN-LINE VALVES



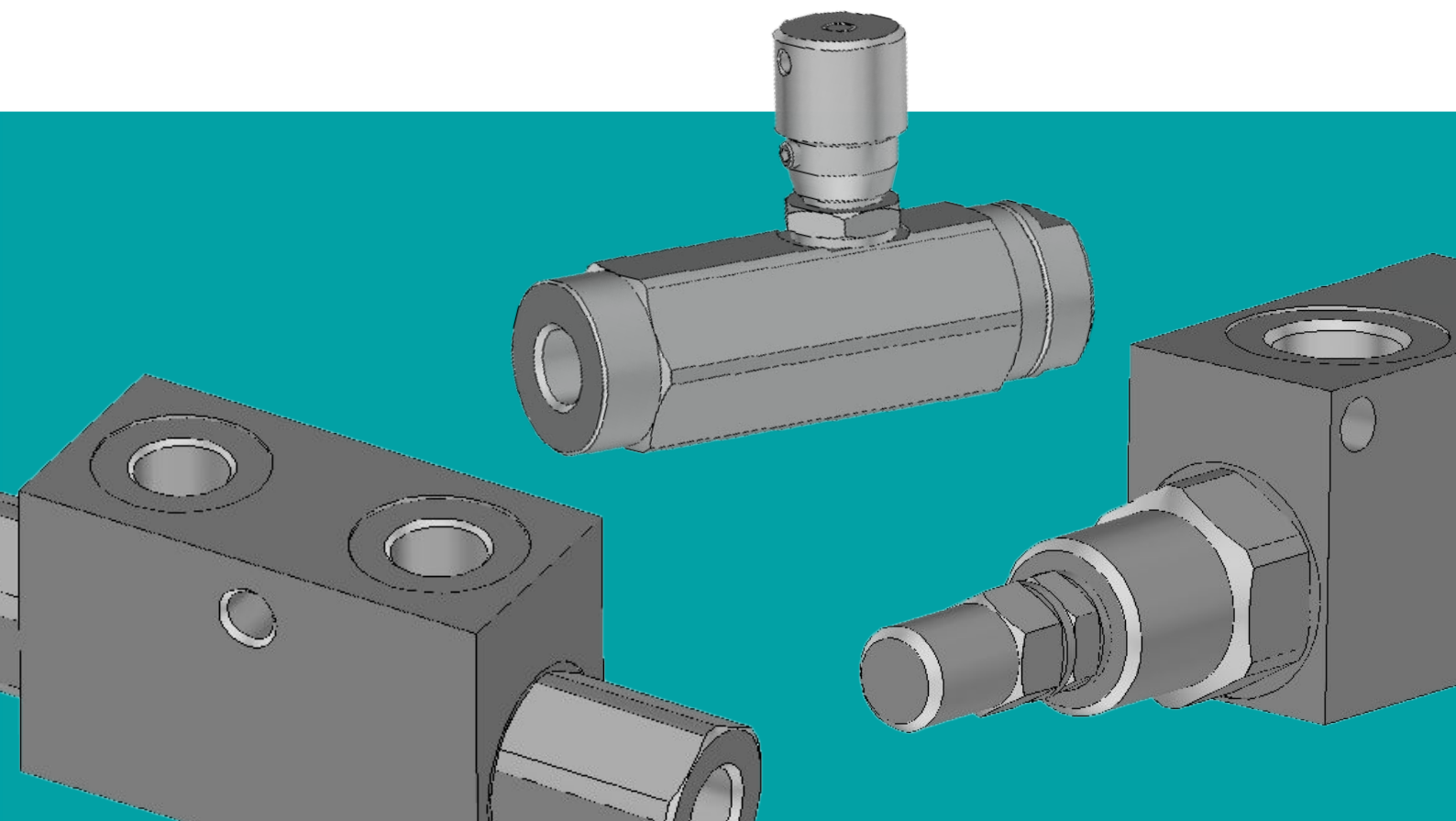
# VINCKE

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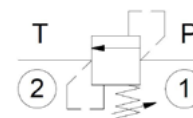
**Vincke** offers a wide range of hydraulic valves for all industrial applications. We manufacture all types of hydraulic valves: from directional control valves to pressure control, flow control, shuttle, sequence, check, from standard on/off valves to high-dynamic proportional valves. Common to all is the combination of outstanding reliability and cost efficiency which makes them the appropriate solution for almost any operational purpose.



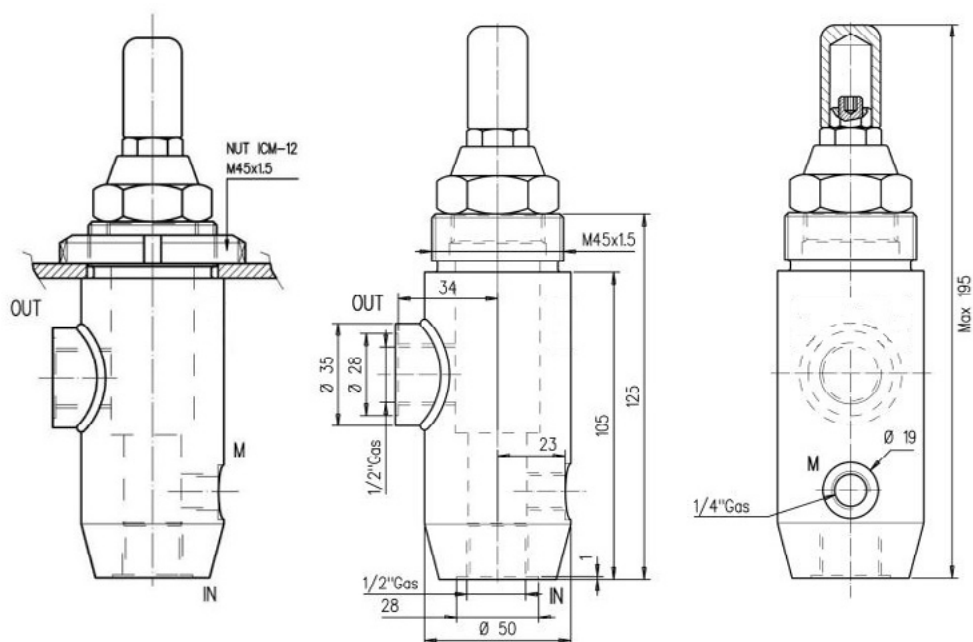
## IN-LINE PANEL MOUNTING RELIEF VALVES

### SPECIFICATIONS

Fluid viscosity:	30 - 100 mm <sup>2</sup> /s
Filtration:	25 $\mu$
Ambient temperature:	40°C
Fluid temperature:	-20°C + 75°C
Ambient temperature:	-20°C + 50°C



### DIMENSIONS (mm)

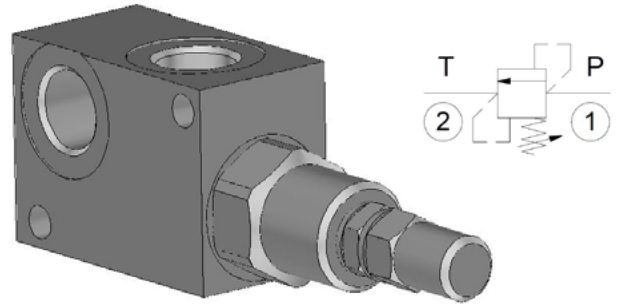


Standard code	Thread	Q max (l/min)	Pressure	Weight (kg)
K-DRLVBH-20	1/2	50	3 - 20	2
K-DRLVBH-80	1/2	50	10 - 80	2
K-DRLVBH-160	1/2	50	60 - 160	2
K-DRLVBH-280	1/2	50	100 - 280	2
K-DRLVBH-320	1/2	20	100 - 320	2

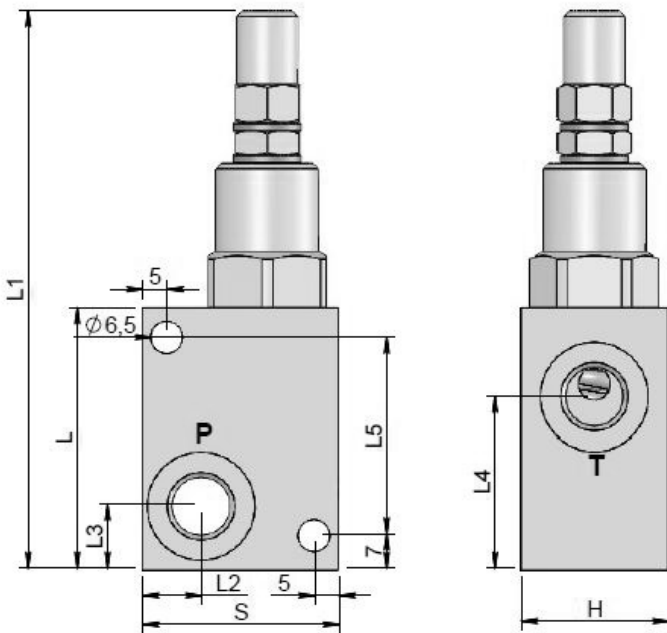
## RELIEF VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
Manifold material:	Zinc plated steel

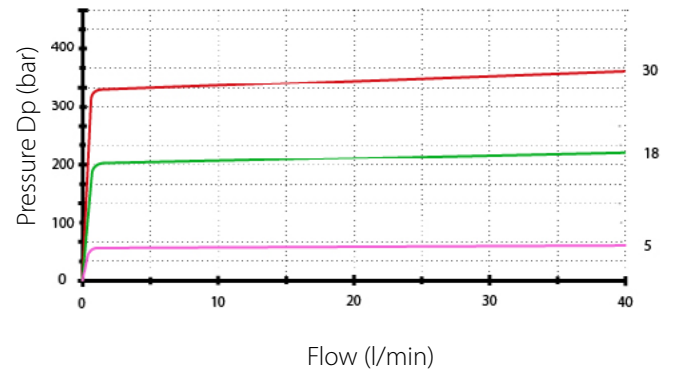


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>2</sup>/s (3,5 °E) - Temperature 50°C



Std setting at 5 l/min

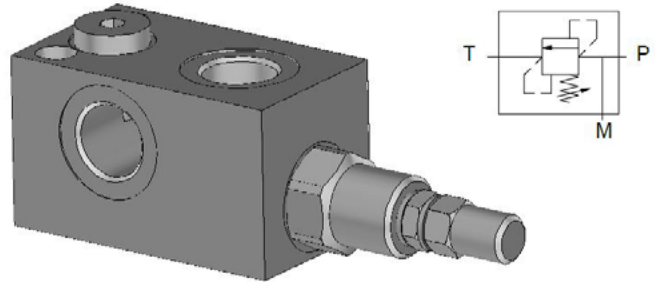
30 = 10 - 50 bar	30 bar
18 = 10 - 180 bar	90 bar
5 = 80 - 300 bar (Std)	150 bar

Standard code	Thread	L	L1	L2	L3	L4	L5	H	S	Weight (kg)	Q max (l/min)
K-DRLV-45	3/8	55	117	12	15	35.5	43	30	40	0.45	40

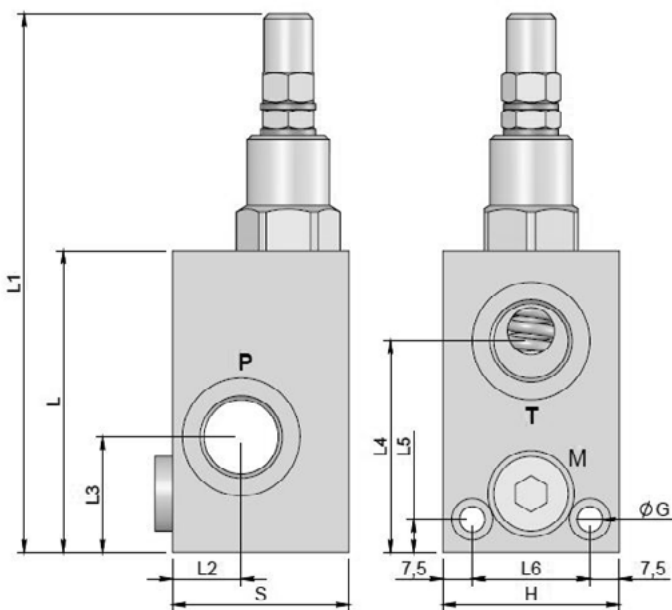
## RELIEF VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
Manifold material:	Zinc plated steel

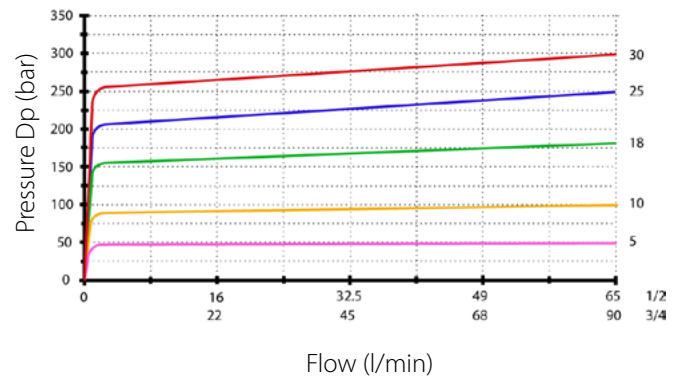


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



Std setting at 5 l/min

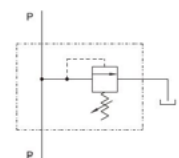
30 = 10 - 50 bar	30 bar
25 = 20 - 100 bar	70 bar
18 = 10 - 180 bar	90 bar
10 = 50 - 250 bar	130 bar
5 = 80 - 300 bar (Std)	150 bar

Standard code	Thread	M	L	L1	L2	L3	L4	L5	L6	G	H	S	Weight (kg)	Q max (l/min)
K-DRLV-70	1/2	1/4	77	139	17.5	29.5	54	8.5	30	6.5	45	45	1.0	70
K-DRLV-100	3/4	1/4	92	154	20	35	68	10	32	8.5	50	50	1.5	90

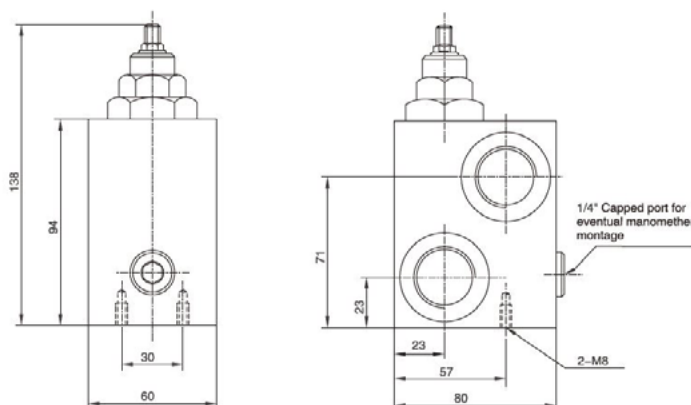
## RELIEF VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
Manifold material:	Zinc plated steel

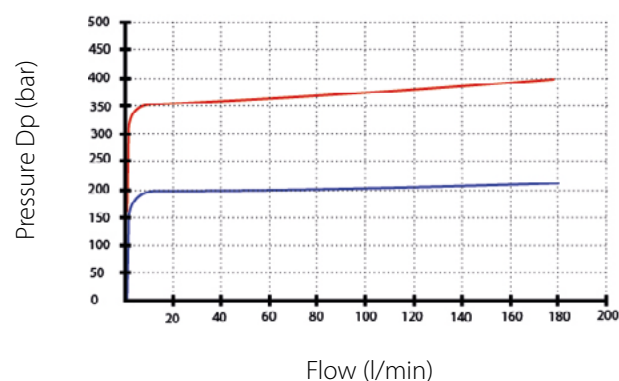


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



Std setting at 5 l/min

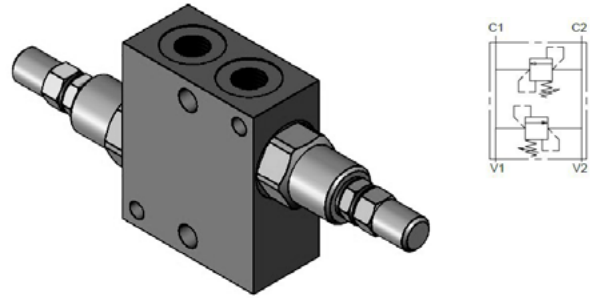
30 = 10 - 50 bar	30 bar
25 = 20 - 100 bar	70 bar
18 = 10 - 180 bar (Std)	90 bar
10 = 50 - 250 bar	130 bar
5 = 80 - 300 bar	150 bar

Standard code	Thread	M	L	L1	L2	L3	L4	L5	L6	G	H	S	Weight (kg)	Q max (l/min)
K-DRLV-180	1"	1/4	77	139	17.5	29.5	54	8.5	30	6.5	45	45	1.0	180

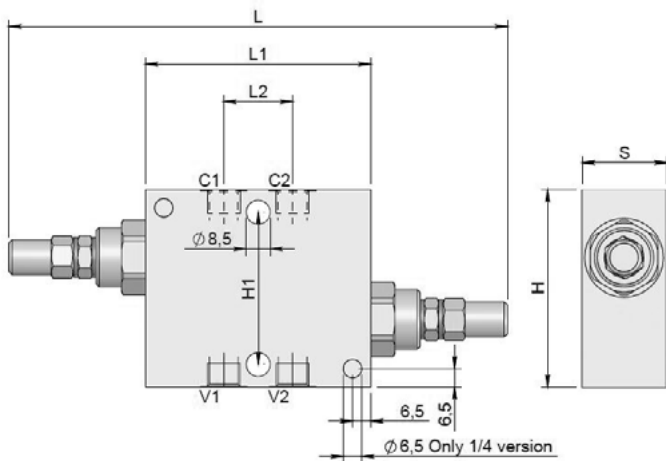
## DOUBLE RELIEF VALVES

### SPECIFICATIONS

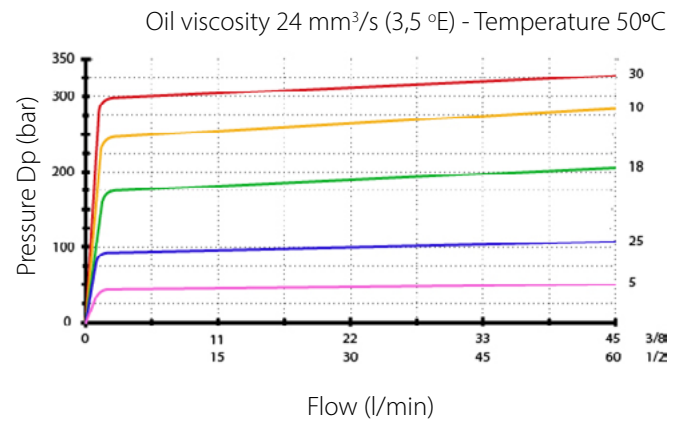
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
Manifold material:	Zinc plated steel



### DIMENSIONS (mm)



### PERFORMANCE



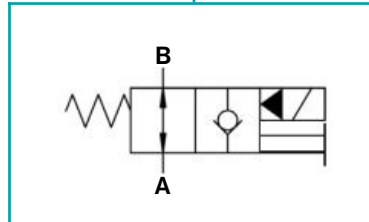
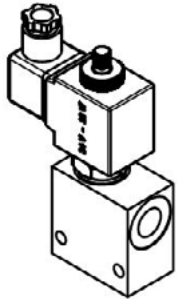
Std setting at 5 l/min

30 = 10 - 50 bar	30 bar
25 = 20 - 100 bar	70 bar
18 = 10 - 180 bar	90 bar
10 = 50 - 250 bar (Std)	130 bar
5 = 80 - 300 bar	150 bar

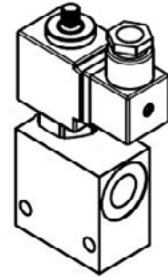
Standard code	Thread	L	L1	L2	H	H1	S	Weight (kg)	Q max (l/min)
K-DRLVD-45	3/8	176	80	33	70	54	30	1.2	45
K-DRLVD-70	1/2	200	80	38	70	54	30	1.1	70

## 2/2 NORMALLY OPEN

40L



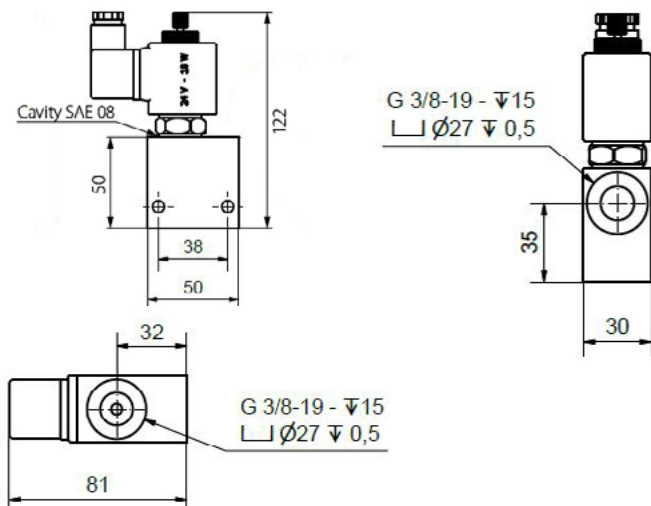
70L



### SPECIFICATIONS

Thread:	3/8
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	280 Bar
Standard seals:	NBR
Material:	Aluminium
Type override:	push knob

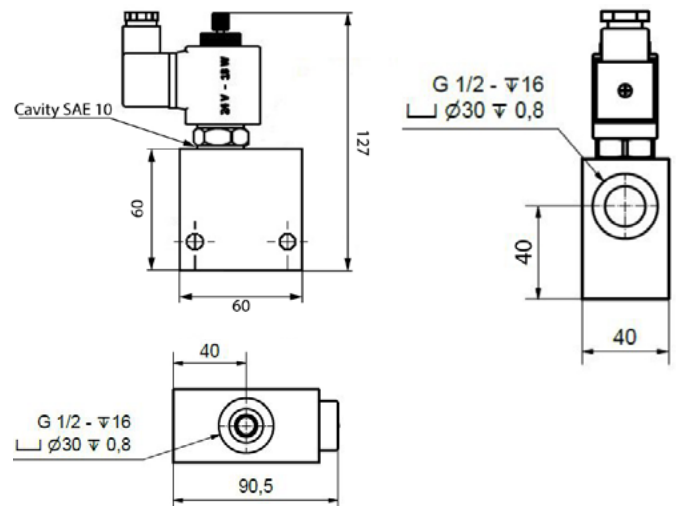
### DIMENSIONS (mm)



### SPECIFICATIONS

Thread:	1/2
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	280 Bar
Standard seals:	NBR
Material:	Aluminium
Type override:	push knob

### DIMENSIONS (mm)

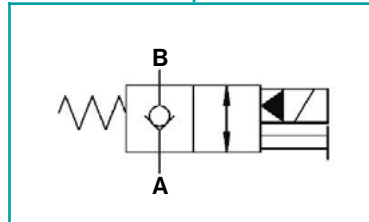
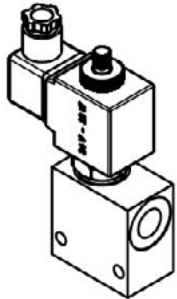


Standard code	Volt
SV-2/2-NO-40-38-12V	12 dc
SV-2/2-NO-40-38-24V	24 dc
SV-2/2-NO-40-38-220V	220 rac

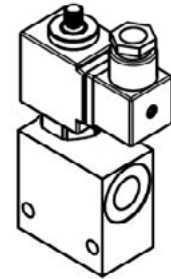
Standard code	Volt
SV-2/2-NO-70-12-12V	12 dc
SV-2/2-NO-70-12-24V	24 dc
SV-2/2-NO-70-12-220V	220 rac

## 2/2 NORMALLY CLOSED

40L



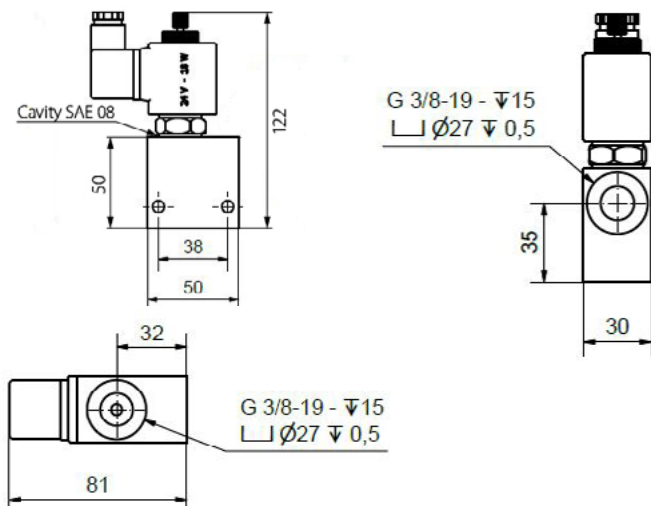
70L



### SPECIFICATIONS

Thread:	3/8
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	280 Bar
Standard seals:	NBR
Material:	Aluminium
Type override:	screw

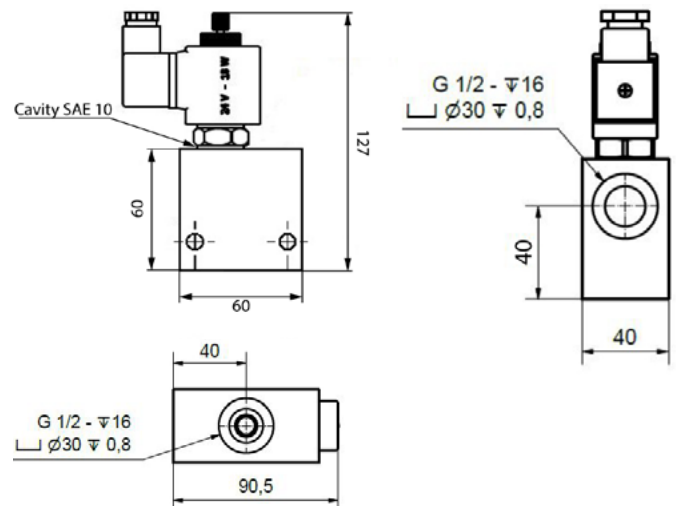
### DIMENSIONS (mm)



### SPECIFICATIONS

Thread:	1/2
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	280 Bar
Standard seals:	NBR
Material:	Aluminium
Type override:	push and twist

### DIMENSIONS (mm)

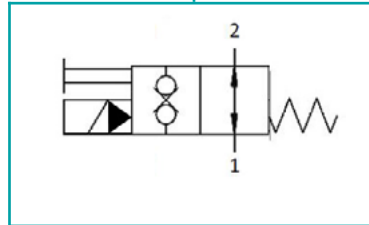
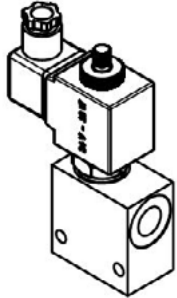


Standard code	Volt
SV-2/2-NC-40-38-12V	12 dc
SV-2/2-NC-40-38-24V	24 dc
SV-2/2-NC-40-38-220V	220 rac

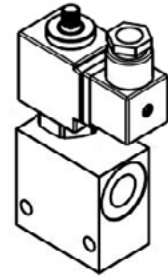
Standard code	Volt
SV-2/2-NC-70-12-12V	12 dc
SV-2/2-NC-70-12-24V	24 dc
SV-2/2-NC-70-12-220V	220 rac

## 2/2 NORMALLY OPEN DOUBLE LOCK VALVE

40L



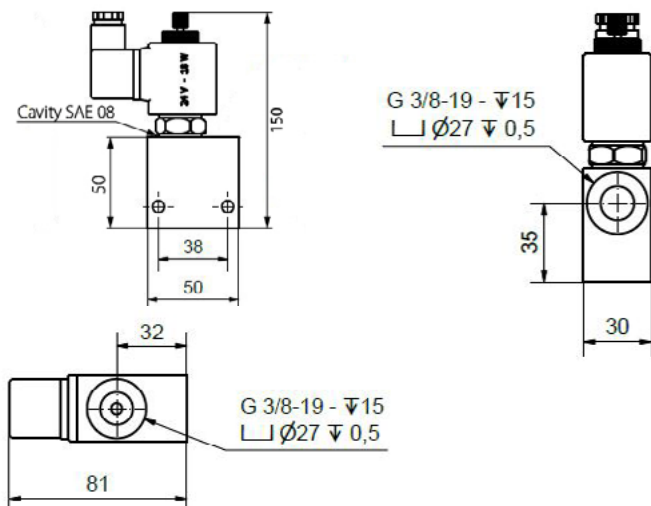
70L



### SPECIFICATIONS

Thread:	3/8
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	280 Bar
Standard seals:	NBR
Material:	Aluminium
Type override:	screw

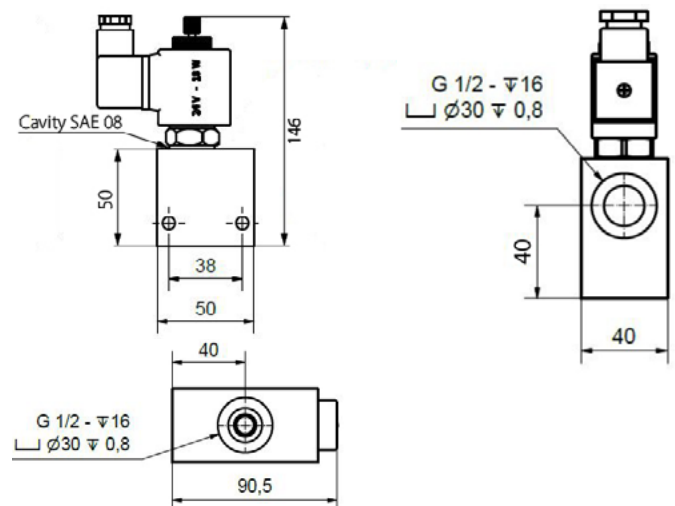
### DIMENSIONS (mm)



### SPECIFICATIONS

Thread:	1/2
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	280 Bar
Standard seals:	NBR
Material:	Aluminium
Type override:	push button

### DIMENSIONS (mm)

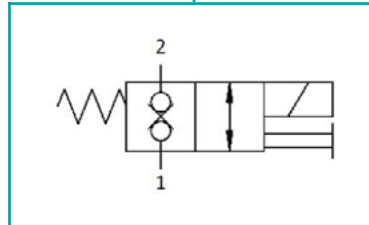
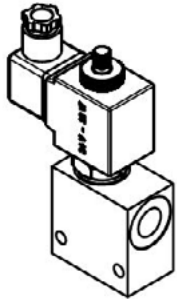


Standar code	Volt
SV-2/2-NO-DC-40-38-12V	12 dc
SV-2/2-NO-DC-40-38-24V	24 dc
SV-2/2-NO-DC-40-38-220V	220 rac

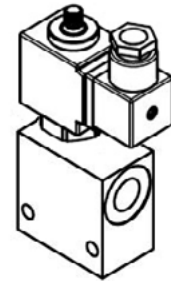
Standar code	Volt
SV-2/2-NO-DC-70-12-12V	12 dc
SV-2/2-NO-DC-70-12-24V	24 dc
SV-2/2-NO-DC-70-12-220V	220 rac

## 2/2 NORMALLY CLOSED DOUBLE LOCK VALVE

### 15L /30L



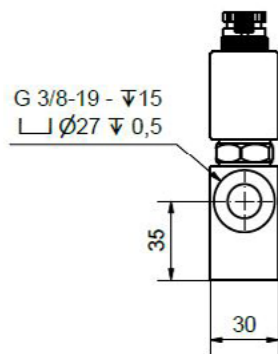
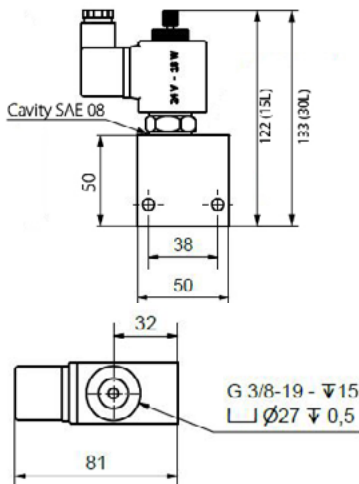
### 70L



### SPECIFICATIONS

Thread:	3/8
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	280 Bar
Standard seals:	NBR
Material:	Aluminium
Type override:	push knob

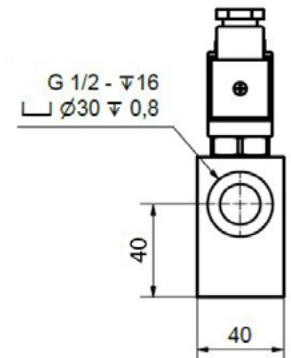
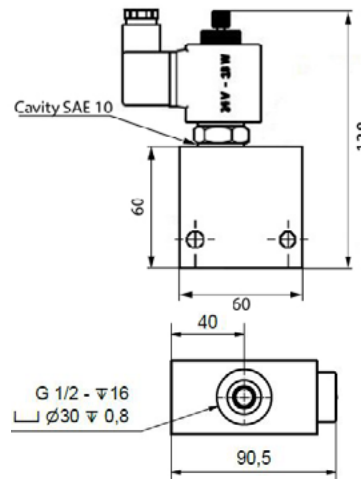
### DIMENSIONS (mm)



### SPECIFICATIONS

Thread:	1/2
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	280 Bar
Standard seals:	NBR
Material:	Aluminium
Type override:	screw

### DIMENSIONS (mm)

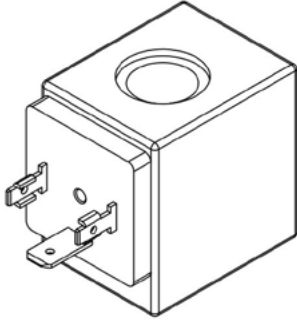


Standard code	Volt
SV-2/2-NC-DC-15-38-12V	12 dc
SV-2/2-NC-DC-15-38-24V	24 dc
SV-2/2-NC-DC-15-38-220V	220 rac
SV-2/2-NC-DC-30-38-12V	12 dc
SV-2/2-NC-DC-30-38-24V	24 dc
SV-2/2-NC-DC-30-38-220V	220 rac

Standard code	Volt
SV-2/2-NC-70-12-12V	12 dc
SV-2/2-NC-70-12-24V	24 dc
SV-2/2-NC-70-12-220V	220 rac

## COIL

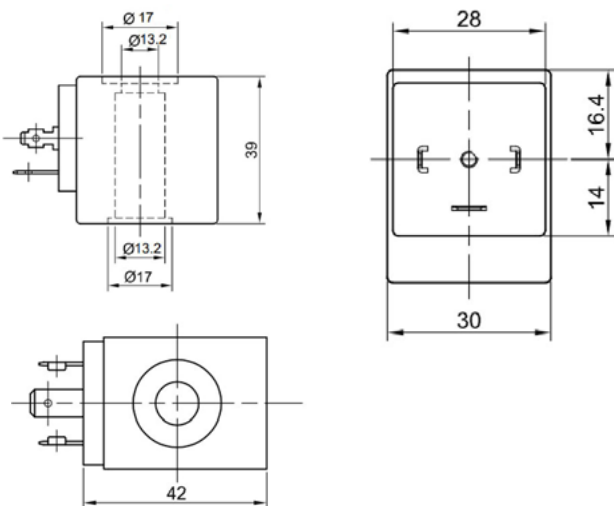
### 18W



#### SPECIFICATIONS

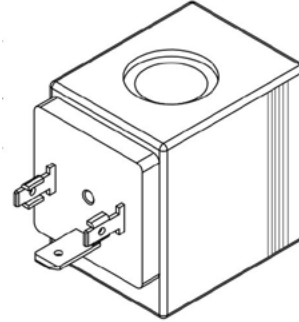
Power	18W
Coil insulation class	F
ED	100%
Supply power tolerance	±10%DC; +10% -5%AC
Ambient temperature	-30°C +50°C
IP Coil	54

#### DIMENSIONS (mm)



Standard code	Ø	Volt	W
VNKPP050801	13	12 dc	18
VNKPP050802	13	24 dc	18
VNKPP050803	13	110 rac	18
VNKPP050804	13	220 rac	18

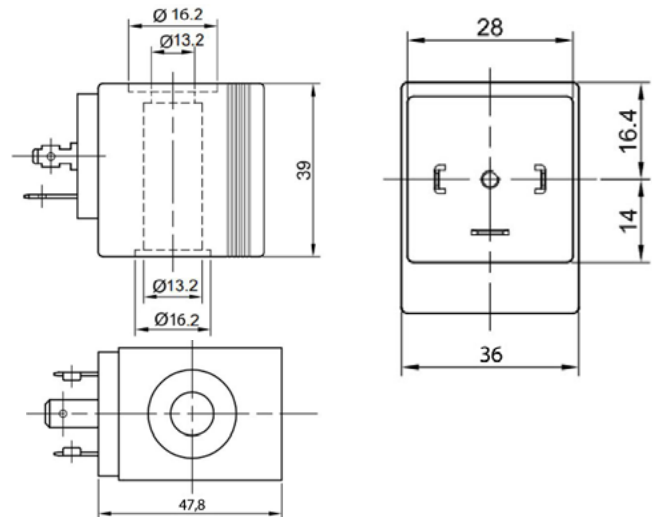
### 22W



#### SPECIFICATIONS

Power	22W
Coil insulation class	H
ED	100%
Supply power tolerance	±10%DC; +10% -5%AC
Ambient temperature	-30°C +50°C
IP Coil	54

#### DIMENSIONS (mm)



Standard code	Ø	Volt	W
VNKPP050901	13	12 dc	22
VNKPP050902	13	24 dc	22
VNKPP050903	13	26 dc	22
VNKPP050904	13	110 rac	22
VNKPP050905	13	220 rac	22

## OVERRIDE TYPES

### SCREW

---

**Description:**

To operate this override, manually unscrew/screw-in the knob to full stroke position. Once in this mode, the override is self-detended. To return to the de-energized mode, screw-in/unscrew the override knob until positive stop occurs. External dimensions change depending on the valve type.



### PUSH AND TWIST

---

**Description:**

To operate this override, manually push and twist the knurled knob counterclockwise/clockwise. Once in this mode, the override is selfdetended. To return to the de-energized mode, push and twist the override knob clockwise/counterclockwise. External dimensions change depending on the valve type.

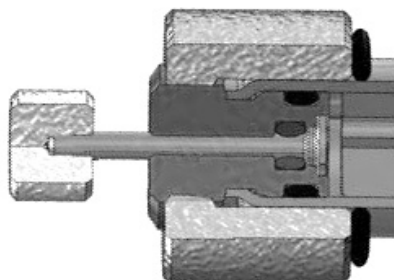


### PUSH KNOB

---

**Description:**

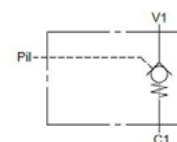
In order to operate this override, press the pin with a finger and maintain constant pressure. Once released,the valve will get back to the de-energized mode. External valve dimensions increase.



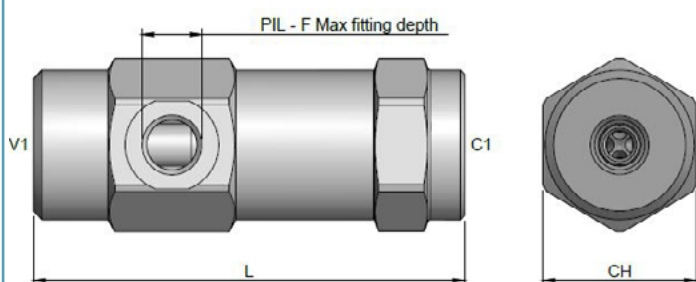
## EXTERNAL PILOT OPERATED SINGLE CHECK VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Standard seals:	NBR
External surfaces:	Zinc plated steel

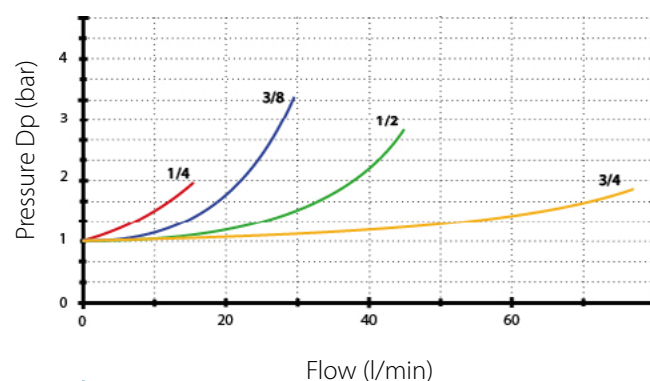


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



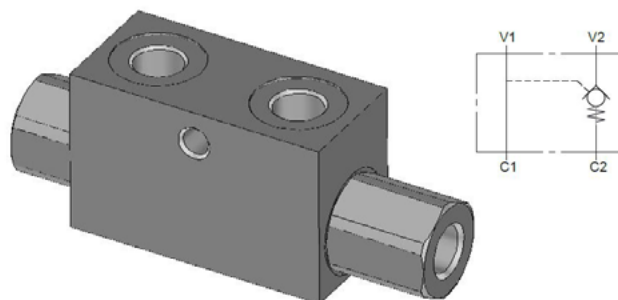
X = 1 bar Std  
Y = 3 bar  
Z = 8 bar

Standard code	Thread	L	F	CH	Weight (kg)	Q max (l/min)	Max Pressure	Pilot ratio
K-SPCELV-14	1/4	103	12	35	0.7	20	350	8.5 : 1
K-SPCELV-38	3/8	109	12	40	0.9	30	300	6 : 1
K-SPCELV-12	1/2	122	12	42	1.1	45	300	5.5 : 1
K-SPCELV-34	3/4	131	14	55	2	80	250	4 : 1

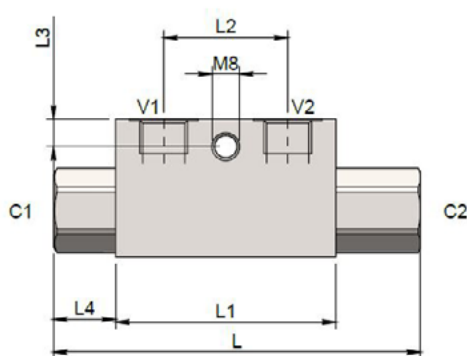
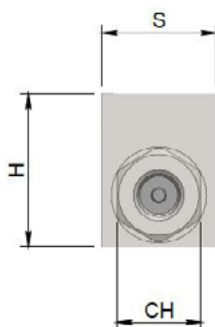
## SINGLE PILOT CHECK VALVE 90°

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
External surfaces:	Zinc plated steel

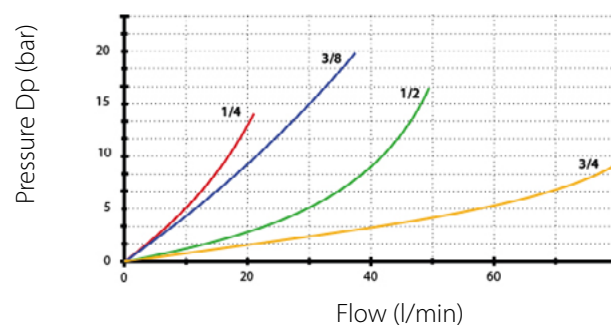


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



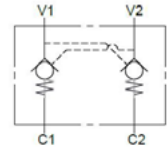
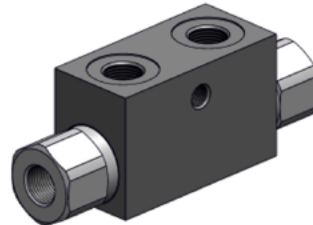
Y = Std on table  
X = 1 bar

Standard code	Thread	L	L1	L2	L3	L4	H	S	CH	Weight (kg)	Q max (l/min)	Cracking P	Pilot ratio
K-SPCLV-14	1/4	106.5	64	36	8	18	40	30	22	0.61	20	4	5.5 : 1
K-SPCLV-38	3/8	120	68	38	8	22	40	30	22	0.70	35	3	5.5 : 1
K-SPCLV-12	1/2	133	90	46	12.5	17	45	35	27	1.00	50	6	5 : 1
K-SPCLV-34	3/4	182	100	46	12	36	60	40	36	1.70	100	2	4 : 1

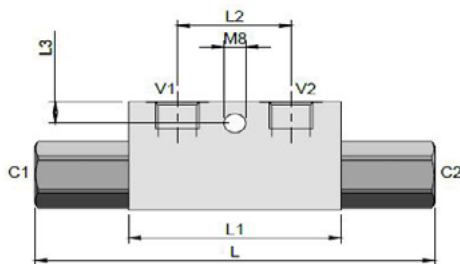
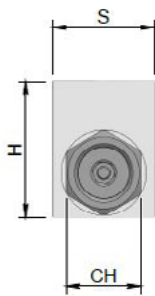
## 90° DOUBLE PILOT OPERATED CHECK VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
Manifold material:	Zinc plated steel

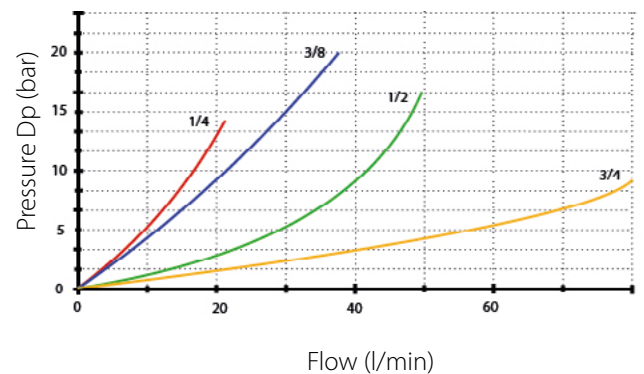


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>2</sup>/s (3,5 °E) - Temperature 50°C

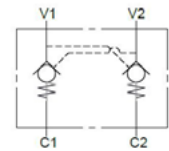
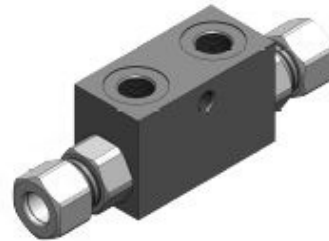


Standard code	Thread	L	L1	L2	L3	H	S	CH	Weigh (kg)	Q max (l/min)	Carcking P	Pilot ratio
K-DPCLV-14	1/4	113	64	36	8	40	30	22	0.65	20	4	5.5 : 1
K-DPCLV-38	3/8	128	68	38	8	40	30	22	0.75	35	3	5.5 : 1
K-DPCLV-12	1/2	142	90	45	12.5	45	35	27	1.05	50	6	5.1
K-DPCLV-34	3/4	192	100	46	12	60	40	36	1.95	100	2	4.1

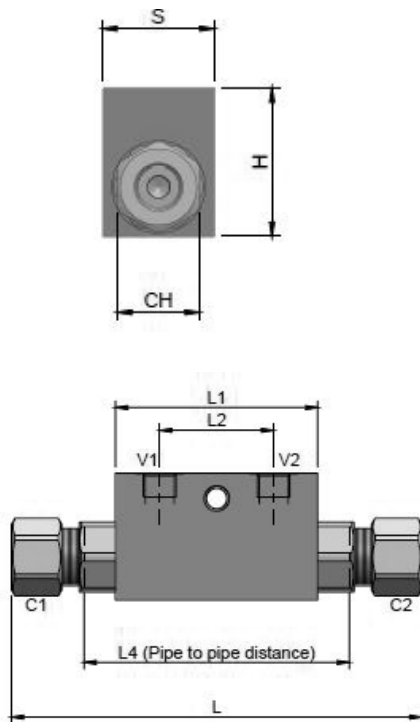
## 90° DOUBLE PILOT OPERATED CHECK VALVES DIN 2353

### SPECIFICATIONS

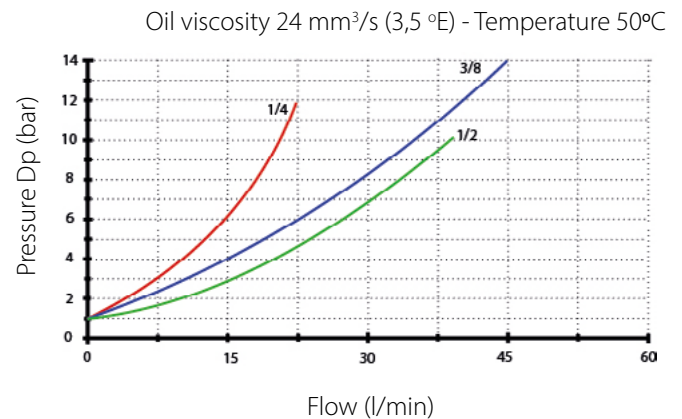
Fluid viscosity:	10 - 550mm <sup>2</sup> /s
Filtration:	ISO 16/13
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
Manifold material:	Zinc plated steel



### DIMENSIONS (mm)



### PERFORMANCE

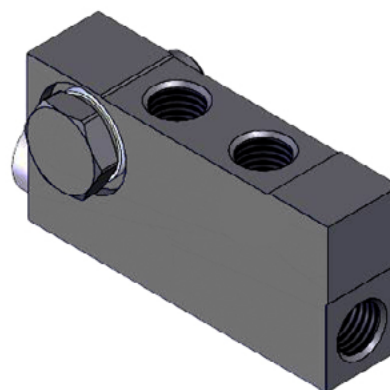


Standard code	Thread	Ø	L	L1	L2	L3	L4	H	S	CH	Weigh (kg)	Q max (l/min)	Pilot ratio
K-DPCLV-14-12L	1/4	12L	130	64	36	160	84	40	30	22	0.69	20	5.5 : 1
K-DPCLV-38-12L	3/8	12L	130	64	36	166	84	40	30	22	0.67	30	5.5 : 1
K-DPVLV-12-15L	1/2	15L	164	90	45	196	106	45	35	30	1.10	50	5 : 1

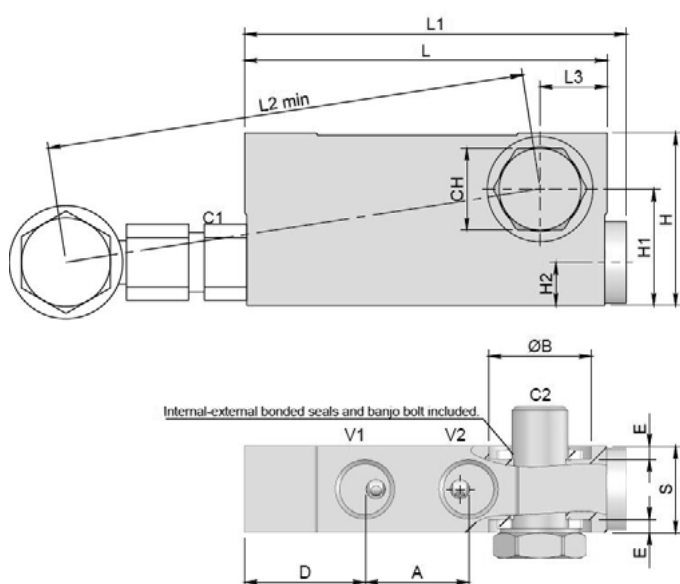
## DUAL FLANGEABLE PILOT OPERATED CHECK VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	300 Bar
Q Max (l/min)	20
Pilot ratio:	4.9 : 1
Standard seals:	NBR
External surfaces:	Zinc plated steel

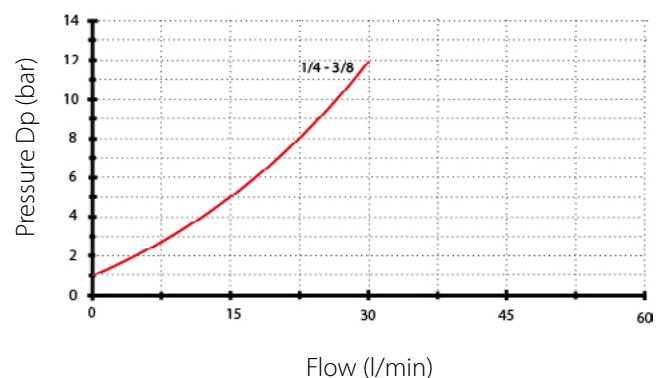


### DIMENSIONS (mm)



### PERFORMANCE

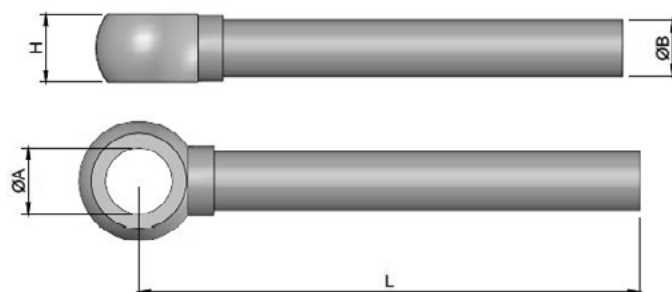
Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



Standard code	Thread	L	L1	L2	L3	A	ØB	D	E	H	H1	H2	S	CH	kg	Cr. Press
K-DPCLV-F-14	1/4	84	88.5	123	15.5	24	243	28	3	40	27	10	80	19	0.48	1
K-DPCLV-F-38	3/8	86	90.5	127	14	29	27	23	4	45	30.5	12.5	25	22	0.68	1

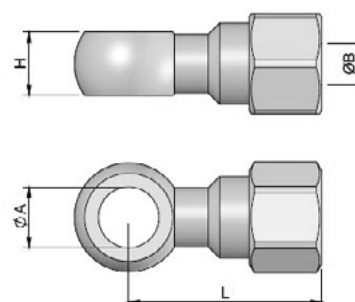
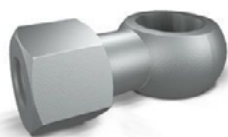
## CHECK VALVES ACCESORIES

### BANJO PIPE



Standard code	Thread	Ø	L	H	ØA	ØB
VNKL050108.7	1/4	12L	40	13.3	14.5	12
VNKL050109	1/4	12L	100	13.3	14.5	12
VNKL050110	1/4	12L	300	13.3	14.5	12
VNKL050111	1/4	12L	500	13.3	14.5	12
VNKL050111.9	3/8	12L	40	17	17	12
VNKL050112	3/8	12L	100	17	17	12
VNKL050112.5	3/8	12L	200	17	17	12
VNKL050113	3/8	12L	300	17	17	12
VNKL050114	3/8	12L	500	17	17	12
VNKL050115	1/2	15L	100	21.2	22	15
VNKL050116	1/2	15L	300	21.5	22	15

### BANJO AND NUT DIN 2353



Standard code	Thread	Ø	L	H	ØA	ØB
VNKL050117	1/4	12L	43.5	14	13.3	12
VNKL050118	3/8	12L	38.5	17	17	12
VNKL050119	1/2	15L	44.5	22	21.2	15

## K-BV HOSE BURST VALVES

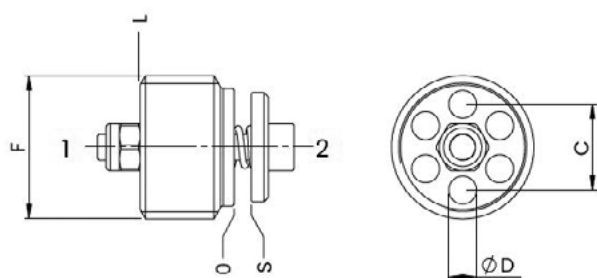
### SPECIFICATIONS

Fluid viscosity:	ISO 6743/4
Filtration:	ISO 4406
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C
Max pressure	350 bar

It's necessary a filter use to protect the valve.  
Max leakage in the version without hole: 0,25 cm<sup>3</sup>/min.

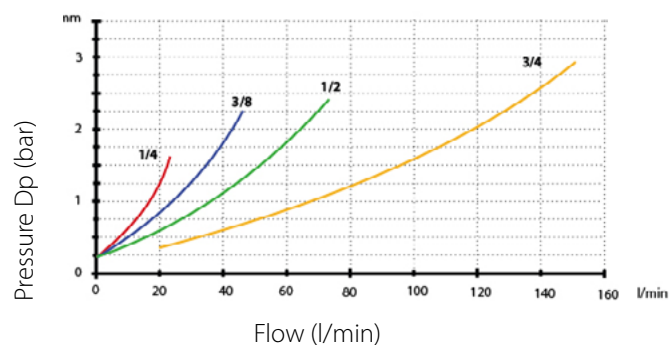


### DIMENSIONS (mm)



### PERFORMANCE

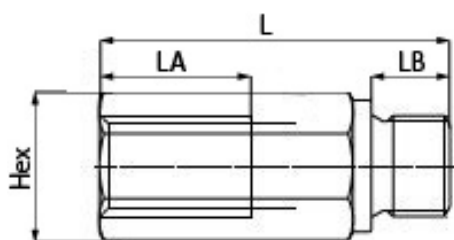
Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



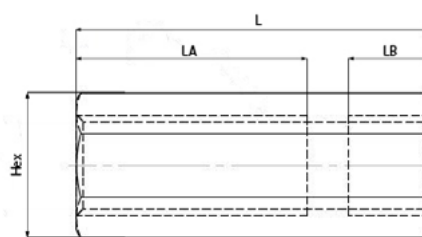
Standard code	Thread	C	D	L	Valve Tightening Torque	Nut Tightening torque for adjustment	Weight (kg)	Q max (l/min)
K-BV-14	1/4	8	2.5	8.2	4	1	0.008	25
K-BV-38	3/8	10	3.25	11	6	1	0.014	50
K-BV-12	1/2	11.5	4	13	10	2	0.025	80
K-BV-34	3/4	14.5	5.2	18	15	2	0.05	150

### HOUSING

#### VALVE BODY FEMALE-MALE



#### VALVE BODY FEMALE-FEMALE



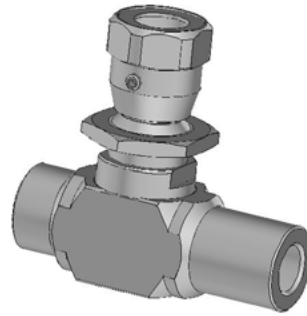
Standard code	Thread	L	LB	LA	Hex	kg
K-BV-14 MF	1/4	50	12	20.5	19	0.08
K-BV-38 MF	3/8	58	13	22.5	24	0.14
K-BV-12 MF	1/2	62	14	22.5	27	0.18
K-BV-34 MF	3/4	75	16	24.5	32	0.30

Standard code	Thread	L	LB	LA	Hex	kg
K-BV-14 FF	1/4	50	14	19	19	0.09
K-BV-38 FF	3/8	58	17	23	24	0.16
K-BV-12 FF	1/2	62	18	22.5	27	0.20
K-BV-34 FF	3/4	75	21	23.5	32	0.30

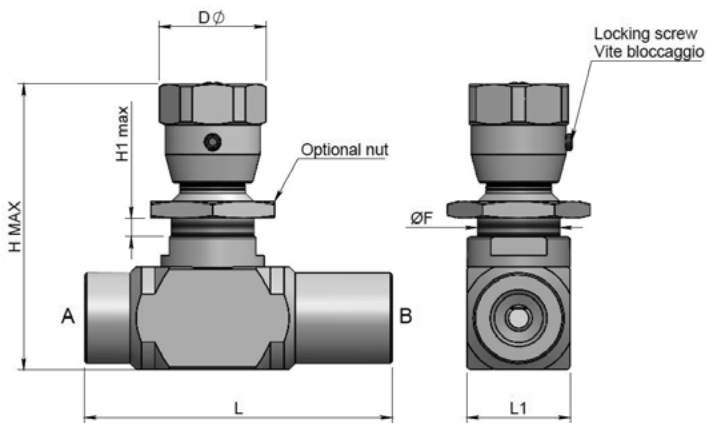
## UNIDIRECTIONAL PANEL MOUNTING FLOW CONTROL VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Manifold material:	Zinc plated steel

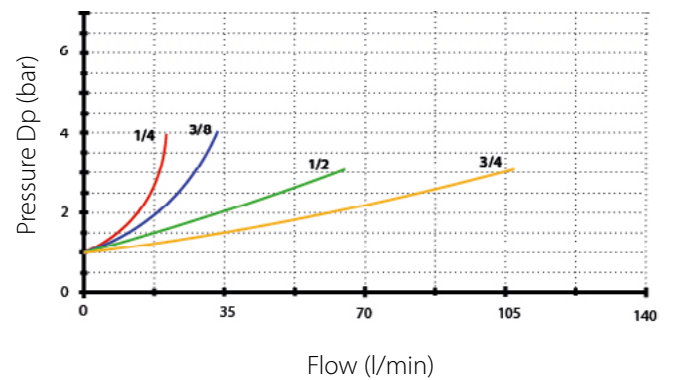


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C

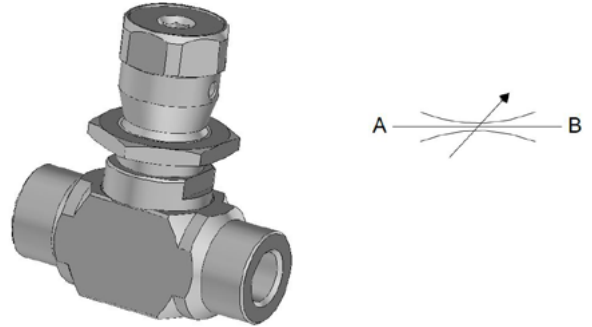


Standard code	Thread	ØF	L	L1	ØD	H max	H1 max	kg	Max Pressure	Q max (l/min)
DV-SC-14	1/4	M20x1.5	73	25	26	75	4.5	0.4	400	15
DV-SC-38	3/8	M20x1.5	83	30	26	83	4.5	0.4	400	30
DV-SC-12	1/2	M20x1.5	94	30	26	90	4.5	0.6	400	50

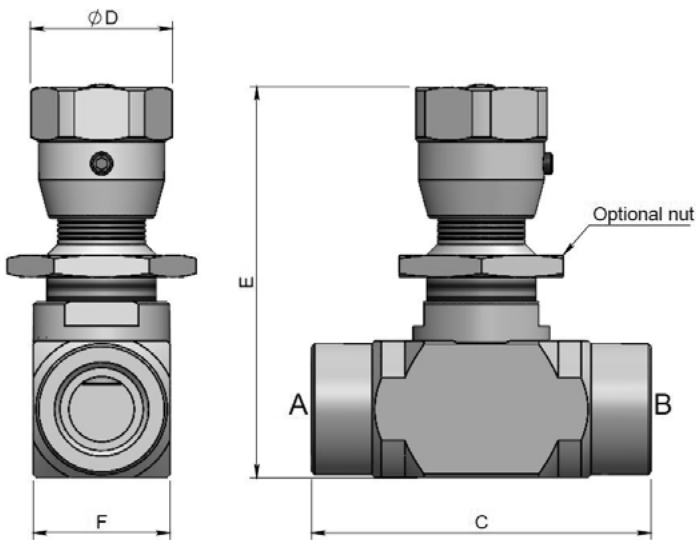
## BIDIRECTIONAL PANEL MOUNTING FLOW CONTROL VALVES

### SPECIFICATIONS

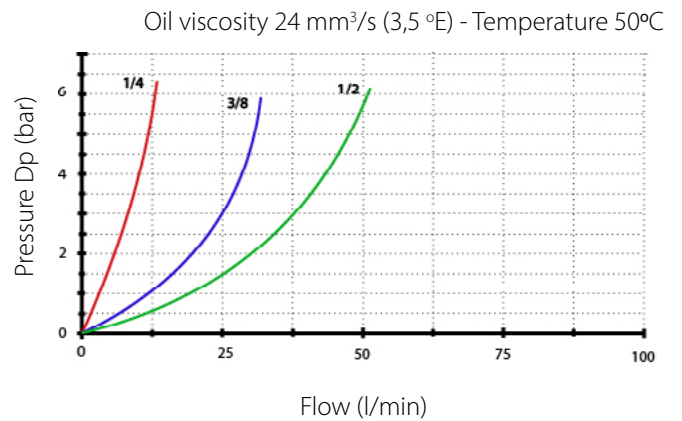
Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Manifold material:	Zinc plated steel



### DIMENSIONS (mm)



### PERFORMANCE

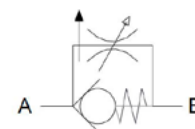
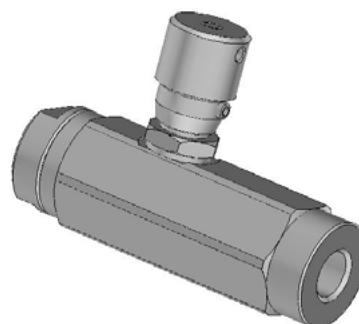


Standard code	Thread	$\varnothing D$	E	F	C	kg	Max Pressure	Q max (l/min)
DRV-SC-14	1/4	26	80	25	62	0.34	350	15
DRV-SC-38	3/8	26	80	25	62	0.33	350	30
DRV-SC-12	1/2	26	88	30	62	0.45	350	50

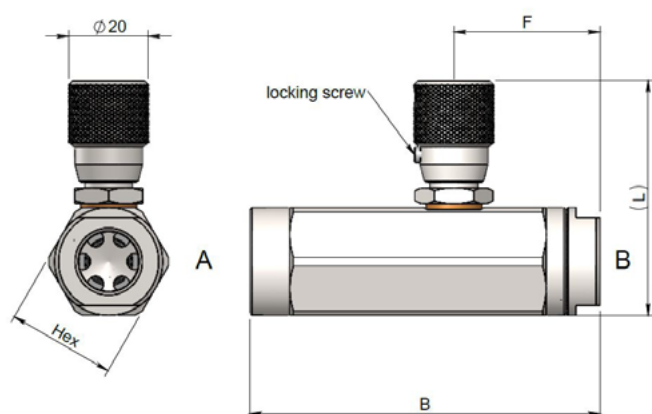
## 2-WAYS COMPENSATED FLOW CONTROL VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
External surfaces:	Zinc plated steel

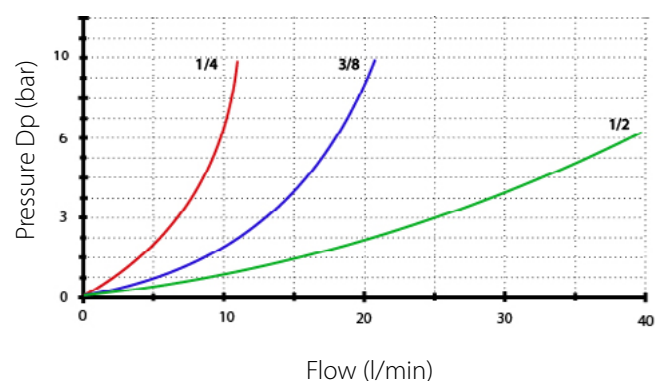


### DIMENSIONS (mm)



### PERFORMANCE

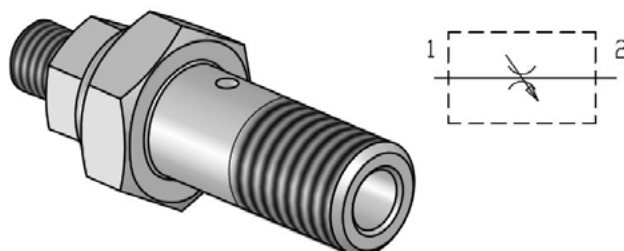
Oil viscosity 24 mm<sup>2</sup>/s (3,5 °E) - Temperature 50°C



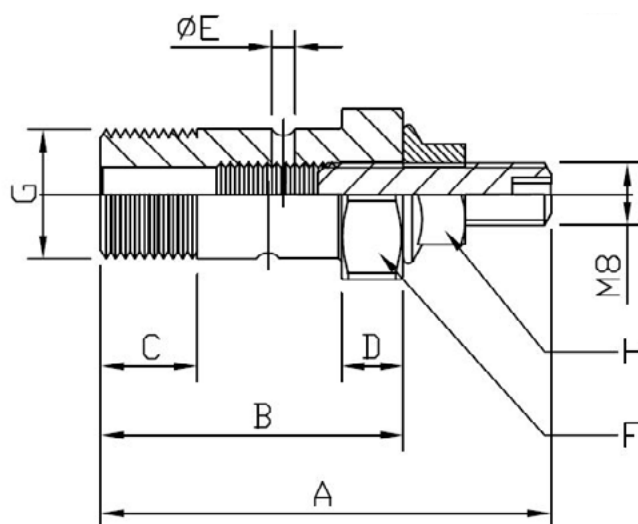
Standard code	Thread	B	F	L	Hex	Weight (kg)	Max. Pressure	Q max (l/min)
K-CFRLV-14	1/4	87.5	36.5	60	27	0.4	250	10
K-CFRLV-38	3/8	87.5	36.5	60	27	0.4	250	20
K-CFRLV-12	1/2	109	46	73	36	0.8	250	45

## BIDIRECTIONAL FLOW CONTROL SCREW BOLT

### SPECIFICATIONS



### DIMENSIONS (mm)

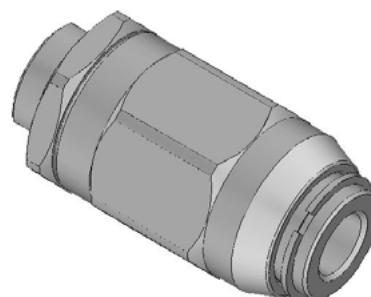


Standard code	Thread	A	B	C	D	E	F	H	M	Weight (kg)
K-CFBLV-14	1/4	53	36	15	7	2.5	19	13	8	0.048
K-CFBLV-38	3/8	58	39	15	8	3	22	13	8	0.076
K-CFBLV-12	1/2	64	46	16	8.5	4	27	13	8	0.120

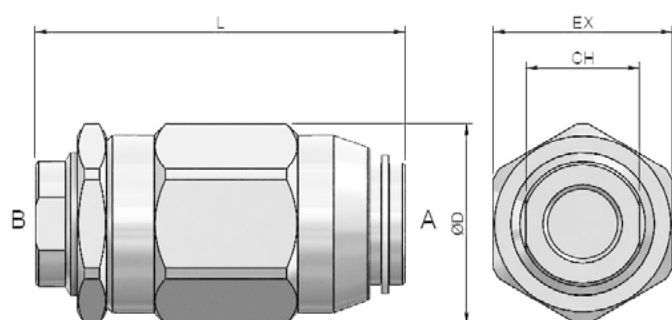
## BIDIRECTIONAL FLOW CONTROL VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Manifold material:	Zinc plated steel

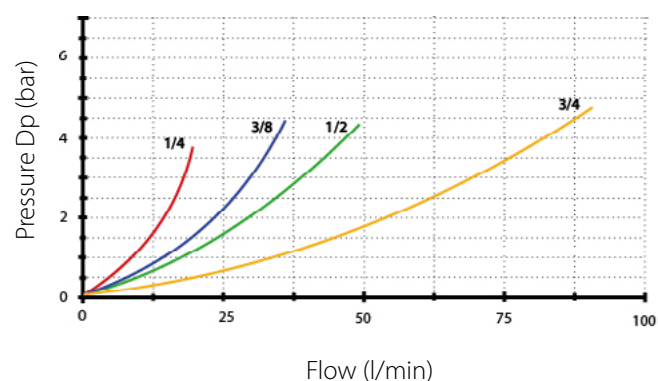


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



Standard code	Thread	ØD	L	CH	EX	Weight (kg)	Max Pressure	Q max (l/min)
K-FRLV-BHX-14	1/4	33.5	62	19	30	0.24	350	15
K-FRLV-BHX-38	3/8	40.5	73	24	36	0.43	350	35
K-FRLV-BHX-12	1/2	46	83	30	41	0.68	350	45
K-FRLV-BHX-34	3/4	60.5	102	36	55	1.10	300	80

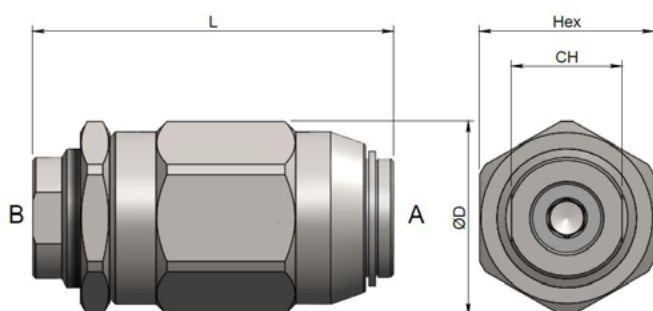
## UNIDIRECTIONAL FLOW CONTROL VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Manifold material:	Zinc plated steel

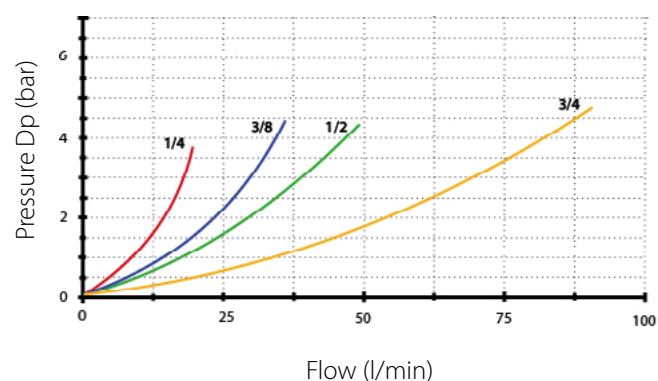


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>2</sup>/s (3,5 °E) - Temperature 50°C



Standard code	Thread	ØD	L	CH	Hex	Weight (kg)	Max Pressure	Q max (l/min)
K-FRLV-UHX-14	1/4	33.5	62	19	30	0.24	350	15
K-FRLV-UHX-38	3/8	35.3	73	24	32	0.43	350	35
K-FRLV-UHX-12	1/2	46	83	30	41	0.68	350	45
K-FRLV-UHX-34	3/4	60.5	102	36	55	1.31	300	80

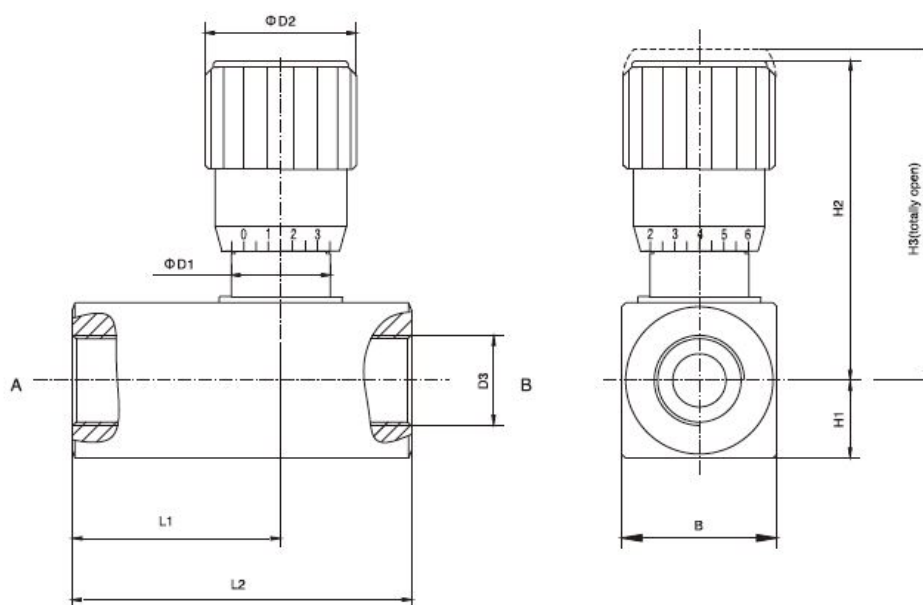
## BIDIRECTIONAL FLOW CONTROL VALVES

### SPECIFICATIONS

Fluid viscosity:	2.8 - 380 mm/s
Max. pressure (MPa):	31.5
Fluid temperature:	-20°C + 70°C
Ambient temperature:	-20°C + 50°C
Standars seals:	NBR



### DIMENSIONS (mm)

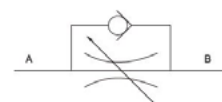


Standard code	B	D1	D2	D3	H1	H2	H3	L1	L2	Q max (l/min)		
DV-8	28	19.3	30	M14X1.5	G 1/4	NPT 1/4	14	61.3	67.9	28	54	60
DV-10	28	19.3	30	M18X1.5	G3/8	NPT3/8	14	61.5	67.5	28	54	75
DV-12	38	24.2	37	M22X1.5	G1/2	NPT1/2	19	78.1	86.5	34	68	140
DV-16	38	24.2	37	M27X2	G3/4	NPT3/4	19	78.3	86.5	39	78	175
DV-20	48	35	48	M33X2	G1"	NPT1"	24	102.3	114.4	45.8	92	200
DV-25	60	50	48	M42X2	G1" 1/4	NPT1" 1/4	30	134.68	148.1	57	114	300

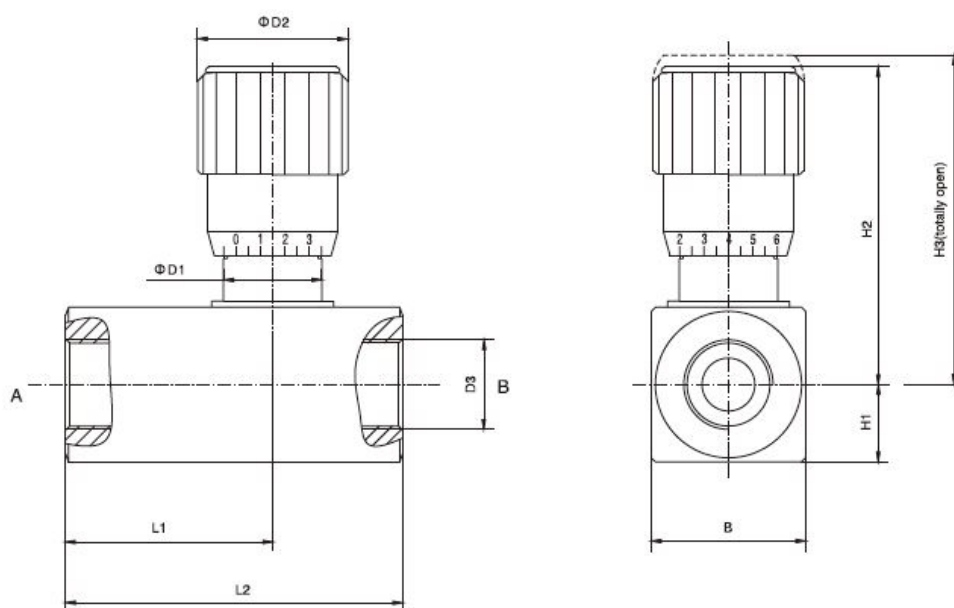
## UNIDIRECTIONAL FLOW CONTROL VALVES

### SPECIFICATIONS

Fluid viscosity:	2.8 - 380 mm/s
Max. pressure (MPa):	31.5
Fluid temperature:	-20°C + 70°C
Ambient temperature:	-20°C + 50°C
Standard seals:	NBR



### DIMENSIONS (mm)

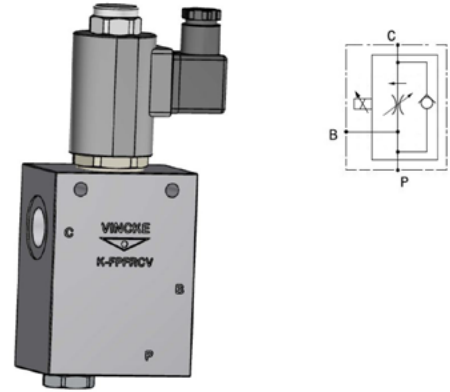


Standard code	B	D1	D2	D3	H1	H2	H3	L1	L2	Q max (l/min)		
DRV-8	28	19.3	30	M14X1.5	G1/4	NPT1/4	14	61.3	67.9	39	64	60
DRV-10	28	19.3	30	M18X1.5	G3/8	NPT3/8	14	61.5	67.5	43	70	75
DRV-12	38	24.2	37	M22X1.5	G1/2	NPT1/2	19	78.1	86.5	52	83	140
DRV-16	38	24.2	37	M27X2	G3/4	NPT3/4	19	78.3	86.5	55.5	89	175
DRV-20	48	35	48	M33X2	G1"	NPT1"	24	102.3	114.4	70.8	117	200
DRV-25	60	50	48	M42X2	G1 1/4"	NPT1 1/4"	30	134.68	148.1	97	154	300
DRV-30	70	70	80	M48X8	G1 1/2"	NPT1 1/2"	35	161.5	181.5	111	172	400

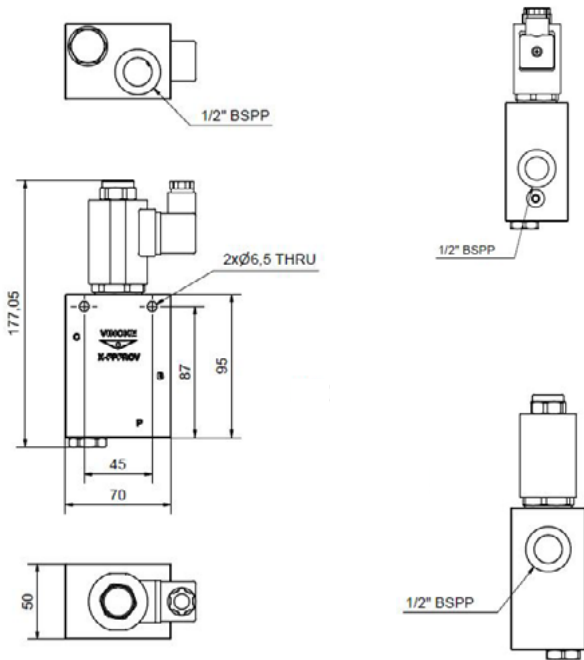
## PROPORTIONAL FLOW REGULATOR 3 WAYS

### SPECIFICATIONS

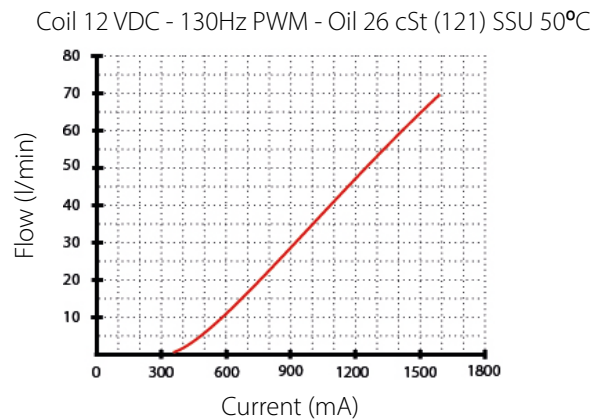
Max. System Pressure:	241 bar
Leakage:	250cc/min
Hysteresis:	±5%
Viscosity range:	36 to 3000 SU/ 3 to 647 cSt
Filtration:	ISO 18/16/13
Media Operating Temp.range:	-30°C/+100°C
Weight:	0.34kg
Cartridge Torque:	50 Nm
Coil Nut Torque:	3 - 4 Nm



### DIMENSIONS (mm)



### PERFORMANCE

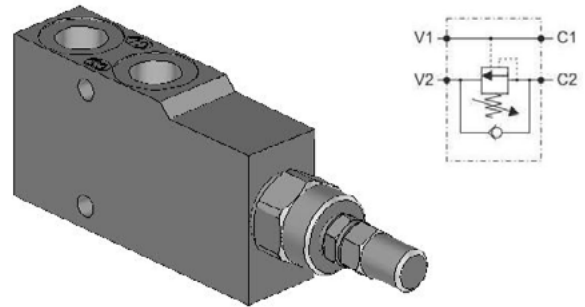


Standard code	Thread	Q max (l/min)	Q (l/min) Reg	Max. Press	Volt.
K-PFRLV-12-12	1/2	110	60	350	12 dc
K-PFRLV-12-24	1/2	110	60	350	24 dc

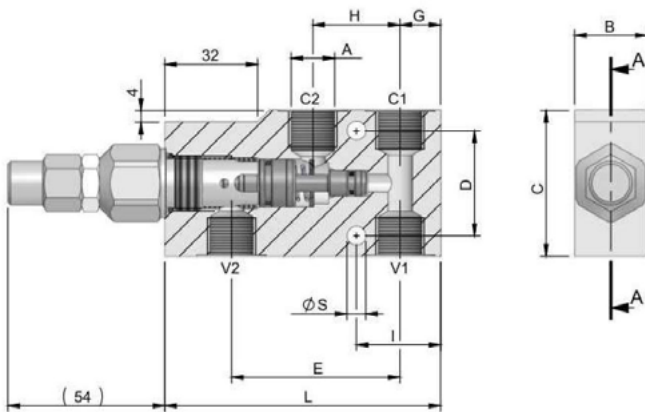
## LOAD CONTROL SINGLE INTERNAL PILOT

### SPECIFICATIONS

Fluid viscosity:	10 - 550 mm <sup>2</sup> /s
Filtration:	ISO code 16/13
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Pilot ratio:	4.25 : 1
Setting at:	5 l/min
Material:	Zinc plated steel

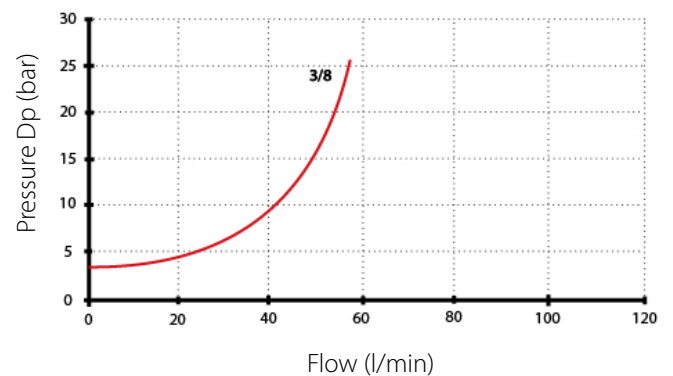


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



### ADJUSTMENT

**M** Leackproof hex. socket  
Standard screw and cap

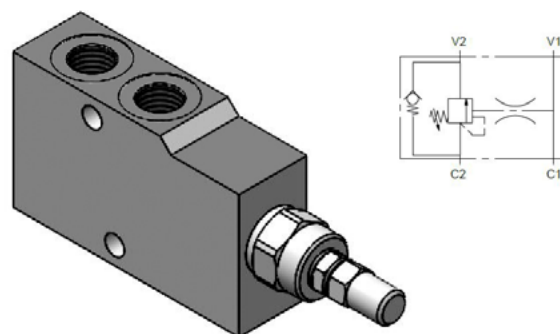


Standard code	Thread (A)	B	C	D	E	G	H	I	ØS	Weight (kg)	Q max (l/min)
K-OVCSLV-38	3/8	25	36	58	14	30	95	29	6.5	0.852	40

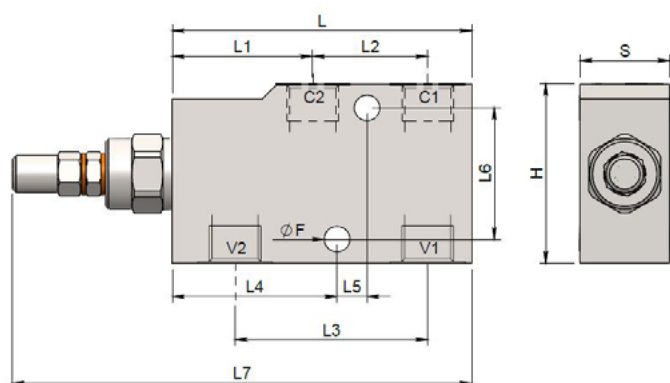
## LOAD CONTROL SINGLE INTERNAL PILOT

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Pilot ratio:	4.25 : 1
Standard seals:	NBR

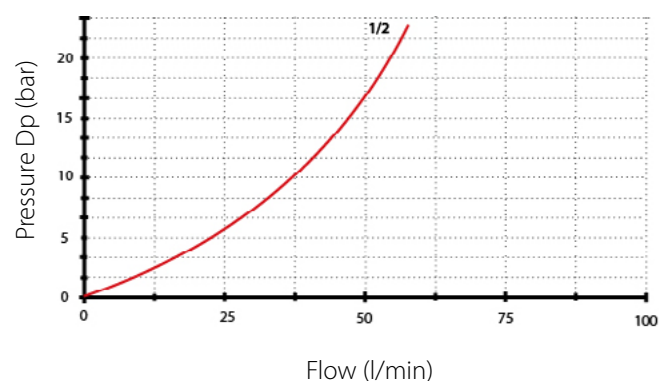


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>2</sup>/s (3,5 °E) - Temperature 50°C

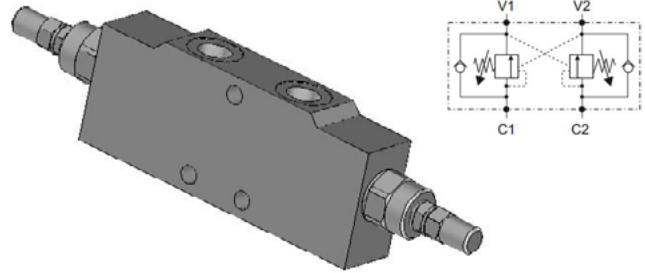


Standard code	Thread	L	L1	L2	L3	L4	L5	L6	L7	H	S	ØF	Weight (kg)	Q max (l/min)
K-OVCDLV-12	1/2	100	50	36	65	57.5	10	44	153.5	60	30	8.5	1.20	60

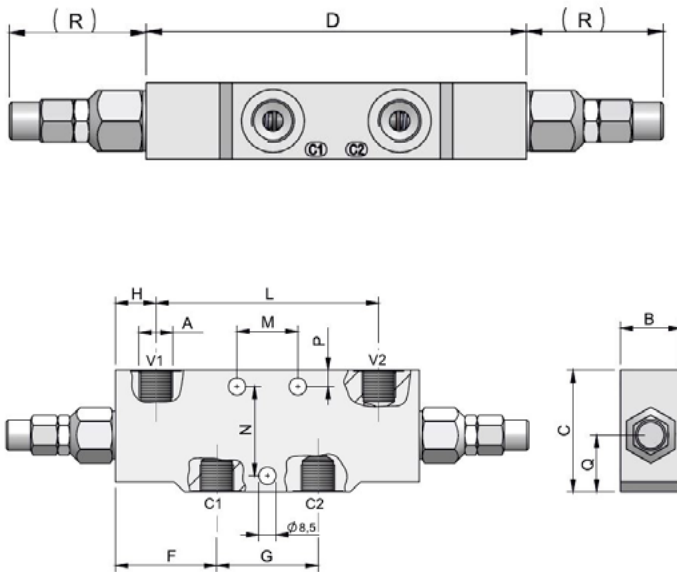
## LOAD CONTROL DOUBLE INTERNAL PILOT

### SPECIFICATIONS

Fluid viscosity:	10-550mm <sup>2</sup> /s
Filtration:	ISO 16/13
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Setting at:	5 l/min
Pilot ratio:	4.25 : 1
Range:	60-350
Std Range:	280
Material:	Zinc plated steel

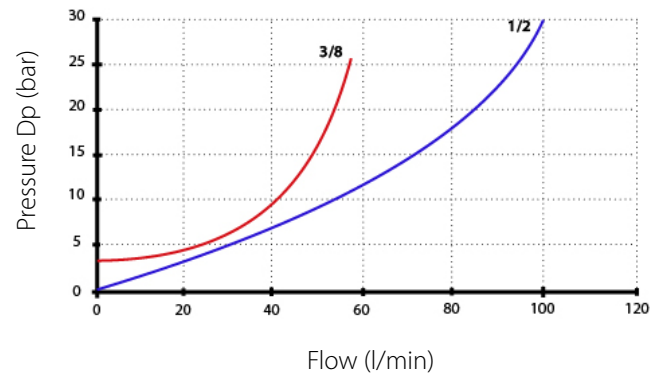


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>2</sup>/s (3,5 °E) - Temperature 50°C



### ADJUSTMENT

M  
Standard      Leakproof hex. socket  
screw and cap

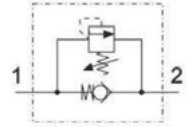
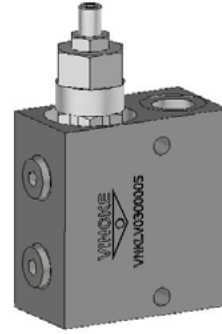


Standard code	Thread	B	C	D	F	G	H	L	M	N	P	Q	R	kg	l/min
K-OVCDLV-38	3/8	30	60	150	45	50	20	110	30	44	8	28	54	2.1	40
K-OVCDLV-12	1/2	30	60	150	45	50	20	110	30	44	8	28	54	2	60

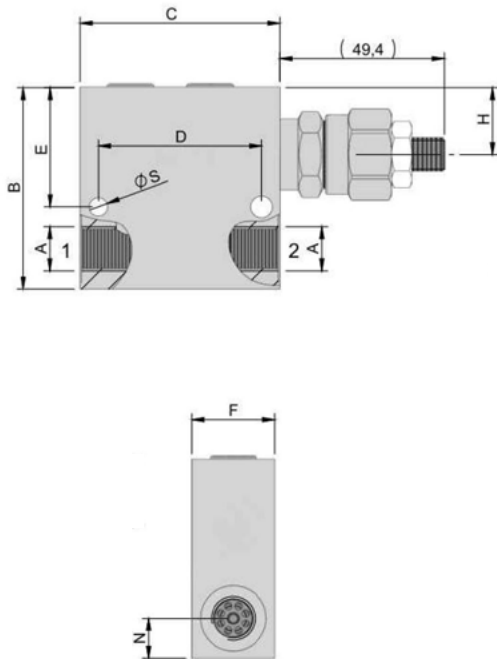
## SEQUENCE VALVES

### SPECIFICATIONS

Fluid viscosity:	10-550 mm <sup>2</sup> /s
Filtration:	ISO 16/13
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Setting at:	5 l/min
Material:	Zinc plated steel

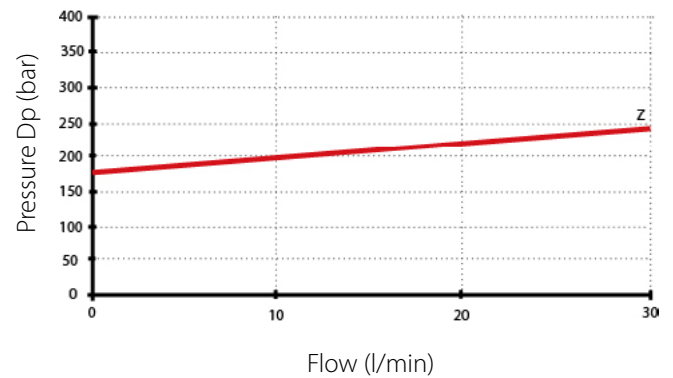


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C



	Range	Standard Calibration	Pressure increase (bar/turn)
Z	50-210	200	65

### ADJUSTMENT

M Leackproof hex. socket screw

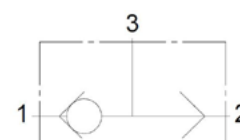
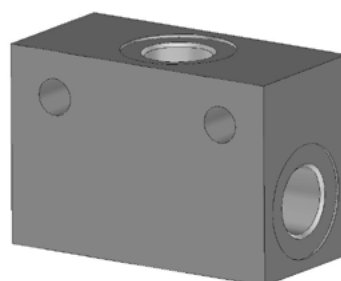


Standard code	Thread	B	C	D	E	F	H	N	ØS	Weight (kg)	Q max (l/min)
K-SQLV-38	3/8	60	70	58	32.5	30	17	13	6.5	0.7	20
K-SQLV-12	1/2	70	70	58	35	30	17	17	6.5	0.9	40

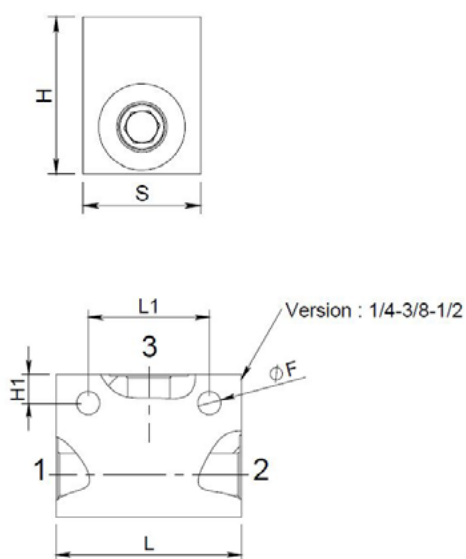
## SHUTTLE VALVES

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
External surfaces:	Zinc plated steel

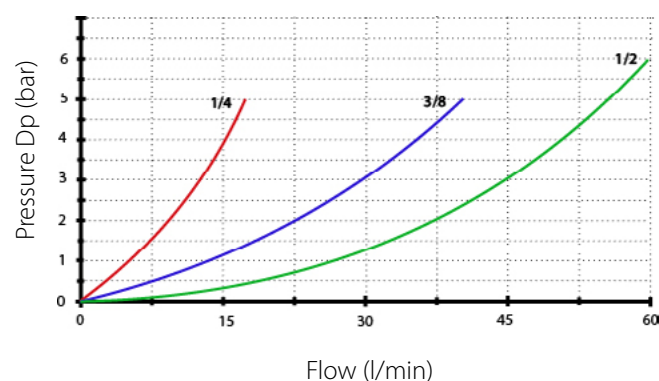


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>2</sup>/s (3,5 °E) - Temperature 50°C

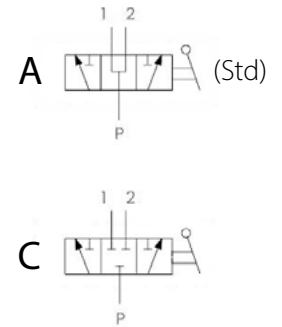


Standard code	Thread	L	L1	H	H1	S	ØF	Weight (kg)	Q max (l/min)
K-SHLV-14	1/4	52	34	40	8	30	6.5	0.30	20
K-SHLV-38	3/8	60	44	40	8	30	6.5	0.35	40
K-SHLV-12	1/2	70	50	60	10	30	8.5	0.66	60

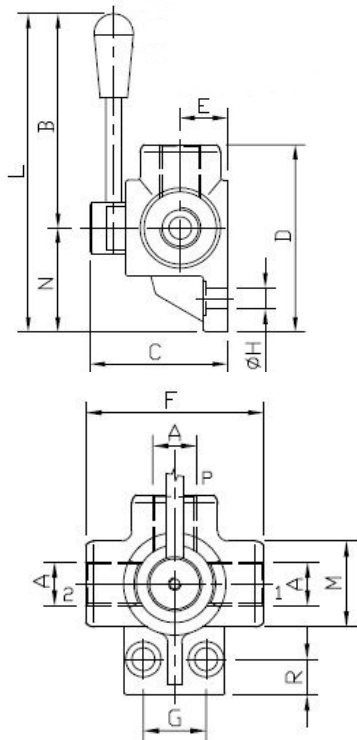
## 3-WAYS MEDIUM PRESSURE MANUAL DIVERTER VALVES

### SPECIFICATIONS

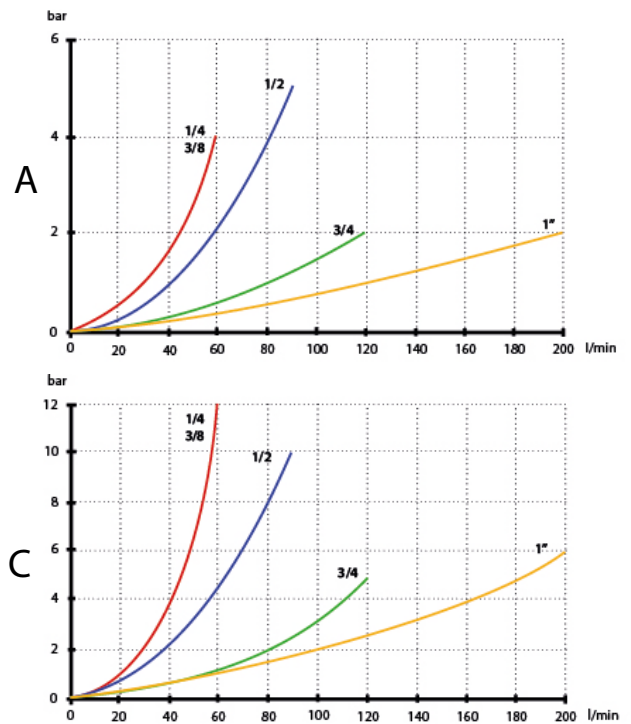
Fluid viscosity:	15-250mm <sup>2</sup> /s
Filtration:	ISO 4406
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C



### DIMENSIONS (mm)



### PERFORMANCE

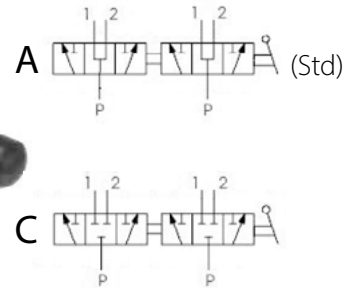


Standard code	Thread	Func	B	C	D	E	F	G	H	L	M	N	R	Q max (l/min)	Max Pres	kg
DDF3140-A	1/4	A/C	128	62	78.5	21	73	24	8.5	169	35	42	11	40	315	0.95
DDF3380-A	3/8	A/C	128	62	78.5	21	73	24	8.5	169	35	42	11	60	315	0.89
DDF3120-A	1/2	A/C	128	70	96	25	85	30	11	182	42	53	17	90	280	1.45
DDF3340-A	3/4	A/C	125	80	100	28	91	32	11	180	47	54	13	120	250	1.82
DDF3100-A	1"	A/C	140	90	113	32.5	98	32	11	207	56	64	14	200	220	2.50

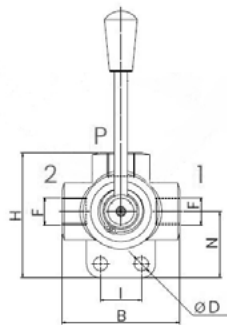
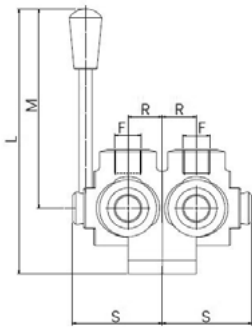
## 6-WAYS MEDIUM PRESSURE MANUAL DIVERTER VALVES

### SPECIFICATIONS

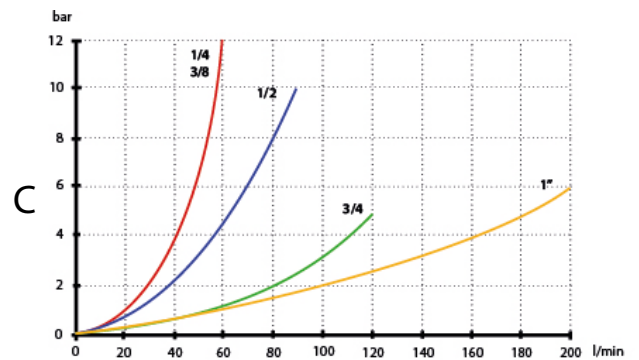
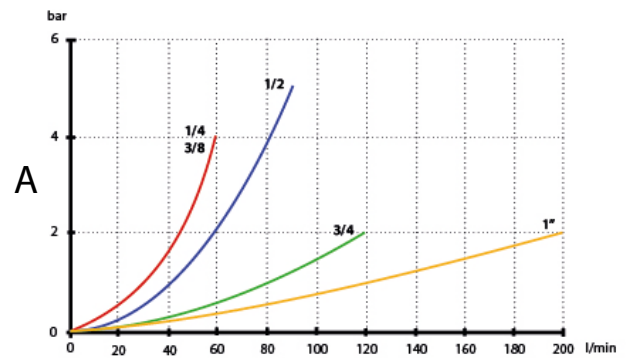
Fluid viscosity:	15-250mm <sup>2</sup> /s
Filtration:	ISO 4406
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C



### DIMENSIONS (mm)



### PERFORMANCE

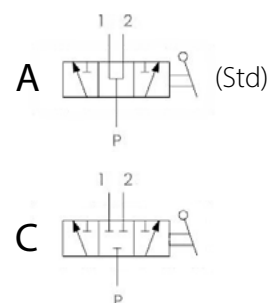


Standard code	Thread	Func	B	H	L	D	I	M	N	S	R	Q max (l/min)	Max Pres	kg
DDF6140-A	1/4	A/C	70	75.5	155.5	8.5	25	115	32	57	21	60+60	350	1.5
DDF6380-A	3/8	A/C	70	75.5	155.5	8.5	25	115	32	57	21	60+60	350	1.5
DDF6120-A	1/2	A/C	80	86	161	8.5	32	115	35	63	24	90+90	350	2.3
DDF6340-A	3/4	A/C	90	98.5	168.5	10.5	32	115	42	67	26	120+120	350	3.5
DDF6100-A	1"	A/C	98	110	176.5	10.5	32	115	50	77	31	200+200	300	5.3

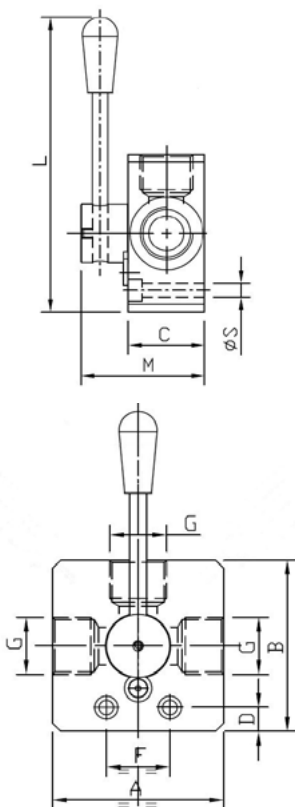
## 3-WAYS HIGH PRESSURE MANUAL DIVERTER VALVES

### SPECIFICATIONS

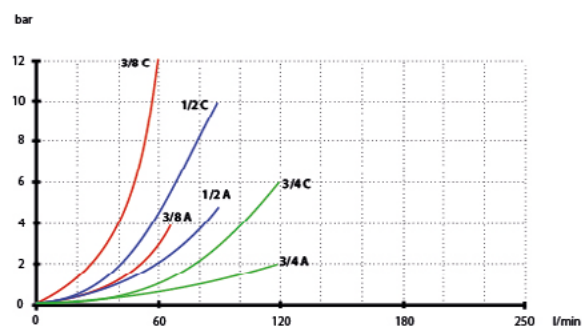
Fluid viscosity:	15-250mm <sup>2</sup> /s
Filtration:	ISO 4406
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C



### DIMENSIONS (mm)



### PERFORMANCE

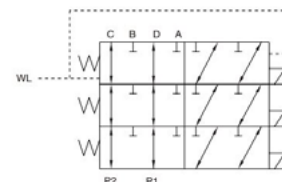
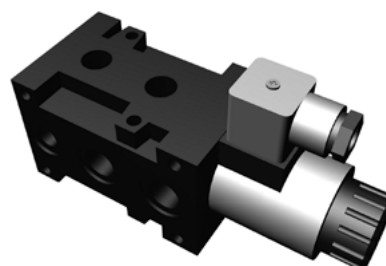


Standard code	Thread	Func	A	B	C	D	F	L	M	S	Q max (l/min)	Max Pres	kg
DDFA3140-A	1/4	A/C	60	60	40	10.5	30	167	68	8.5	50	400	1.10
DDFA3380-A	3/8	A/C	60	60	40	10.5	30	167	68	8.5	60	400	1.10
DDFA3120-A	1/2	A/C	60	60	40	10.5	30	167	68	8.5	90	400	1.05
DDFA3340-A	3/4	A/C	80	80	40	14	32	177	68	8.5	120	400	1.75

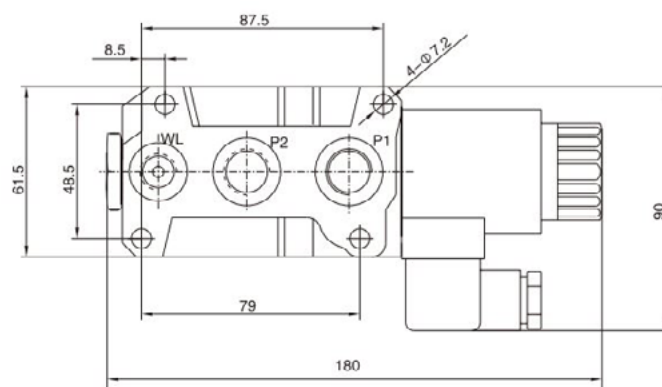
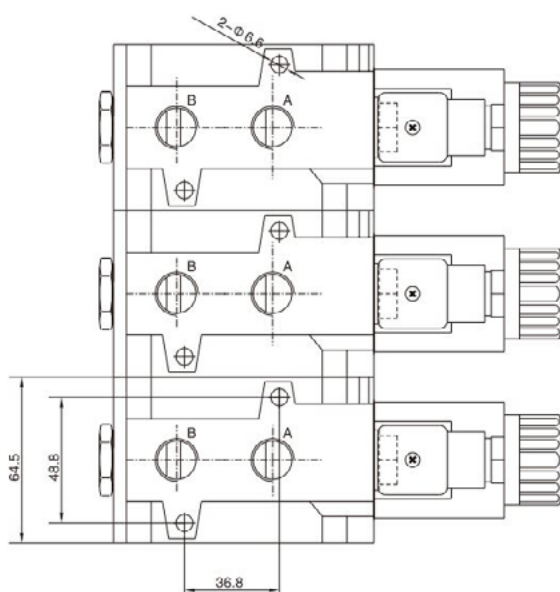
## DIRECTIONAL VALVES 3/8 210 BAR (315 BAR WITH DRAIN)

### SPECIFICATIONS

Fluid viscosity:	-2.8 +500 mm <sup>2</sup> /s
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	210 Bar
Weight:	3.1
Max. flow (l/min):	50



### DIMENSIONS (mm)

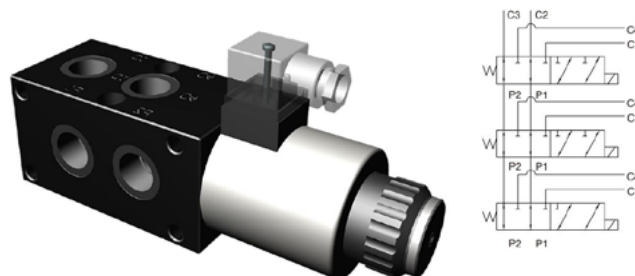


Standard code	Thread	Element Number	Voltage
VNK-6/2-6-3/8-1	3/8	1	12 dc
VNK-6/2-6-3/8-2	3/8	2	12 dc
VNK-6/2-6-3/8-3	3/8	3	12 dc
VNK-6/2-6-3/8-4	3/8	4	12 dc
VNK-6/2-6-3/8-5	3/8	5	12 dc
VNK-6/2-6-3/8-1	3/8	1	24 dc
VNK-6/2-6-3/8-2	3/8	2	24 dc
VNK-6/2-6-3/8-3	3/8	3	24 dc
VNK-6/2-6-3/8-4	3/8	4	24 dc
VNK-6/2-6-3/8-5	3/8	5	24 dc

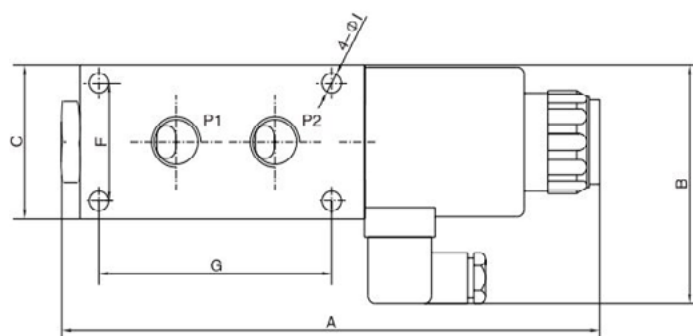
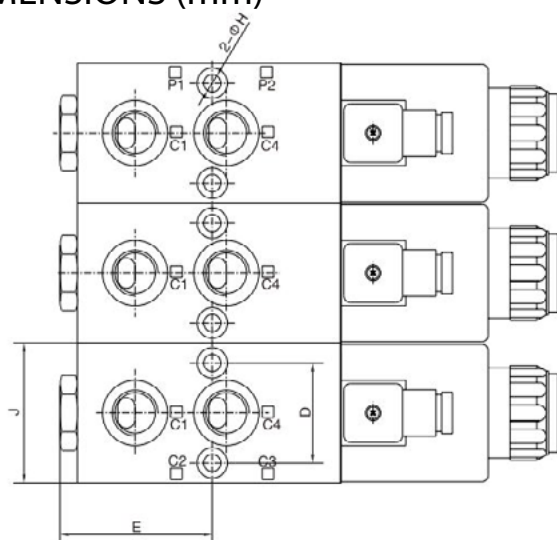
## VINCKE DIRECTIONAL VALVES 1/2 210 BAR

### SPECIFICATIONS

Fluid viscosity:	-2.8 +500 mm <sup>2</sup> /s
Fluid temperature:	-20°C + 80°C
Ambient temperature:	-20°C + 50°C
Working pressure:	21 MPa
Weight:	5
Max. flow (l/min):	60



### DIMENSIONS (mm)



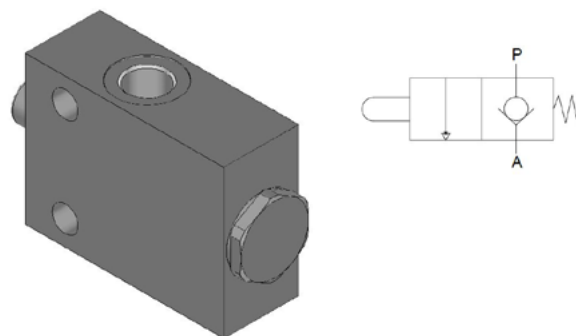
A	B	C	D	E	F	G	H	I	J
229	100.6	65	46	70	50	99	8	8.4	65

Standard code	Thread	Element Number	Voltage
SW 6/2-G-12dc-1	1/2	1	12 dc
SW 6/2-G-12dc-2	1/2	2	12 dc
SW 6/2-G-12dc-3	1/2	3	12 dc
SW 6/2-G-24dc-1	1/2	1	24 dc
SW 6/2-G-24dc-2	1/2	2	24 dc
SW 6/2-G-24dc-3	1/2	3	24 dc

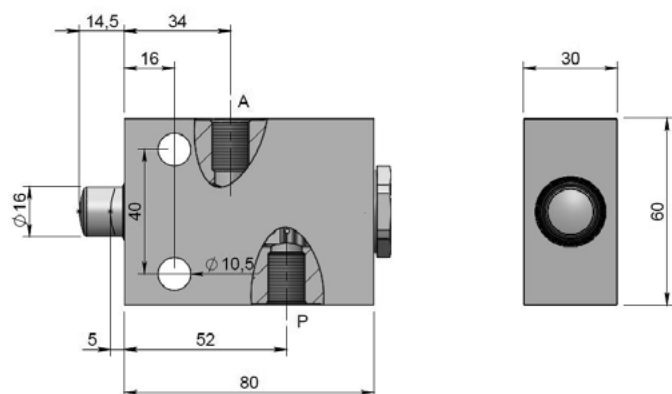
## END STROKE

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
External surfaces:	Zinc plated steel

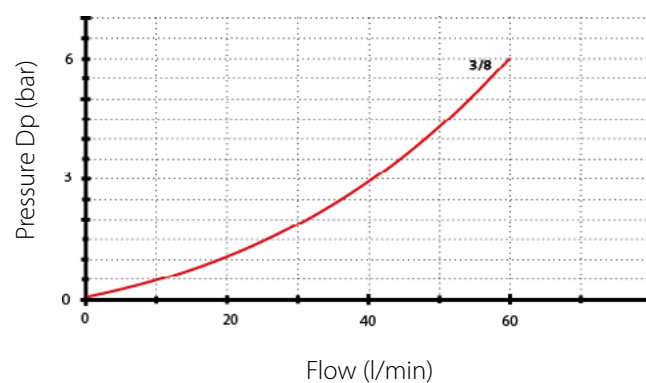


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>3</sup>/s (3,5 °E) - Temperature 50°C

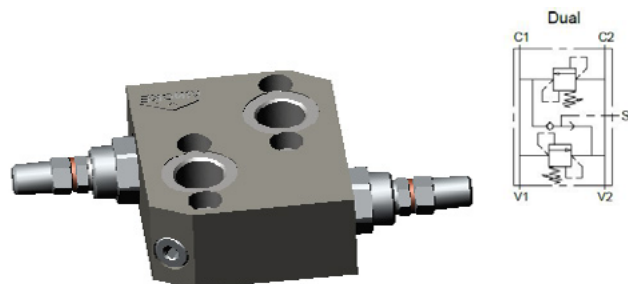


Standard code	Thread	Q max (l/min)	Max Pressure	Weight (kg)
K-ES-38	3/8	40	350	1.00

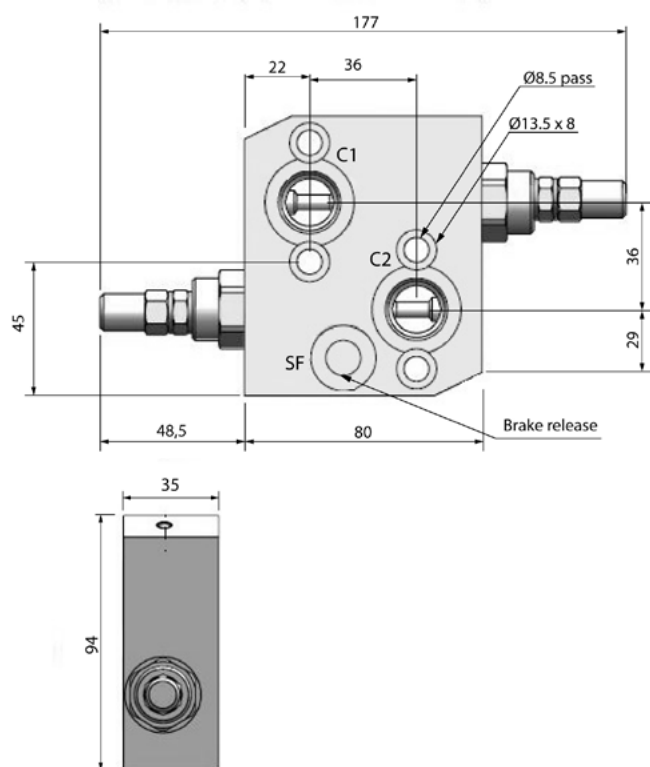
## RELIEF MOTOR VALVES VNKP/VNKR

### SPECIFICATIONS

Fluid viscosity:	ISO 3448
Filtration:	ISO 4406
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Max. operating pressure:	350 Bar
Standard seals:	NBR
Manifold material:	Zinc plated steel

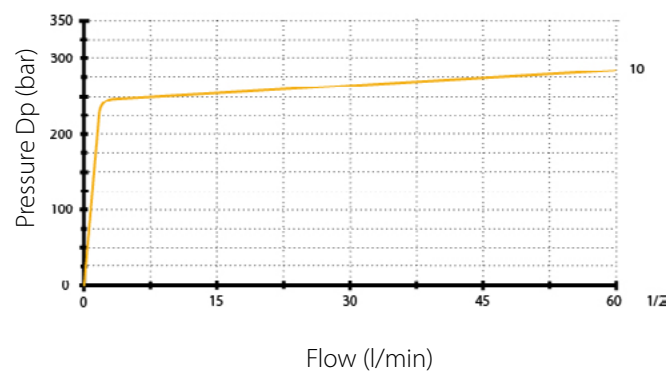


### DIMENSIONS (mm)



### PERFORMANCE

Oil viscosity 24 mm<sup>2</sup>/s (3,5 °E) - Temperature 50°C



Std setting at 5 l/min

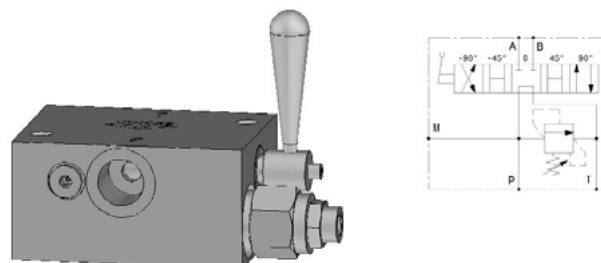
10 = 50 - 250 bar      130 bar

Standard code	Thread	Weight (kg)	Q max (l/min)
K-FPR-DRLVD	1/2	1.7	60

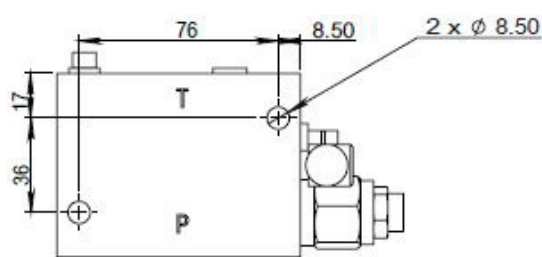
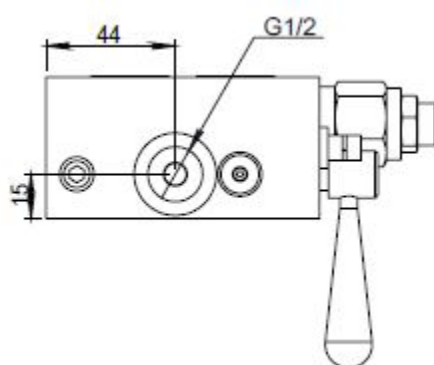
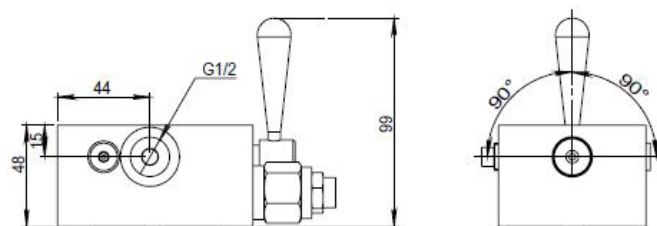
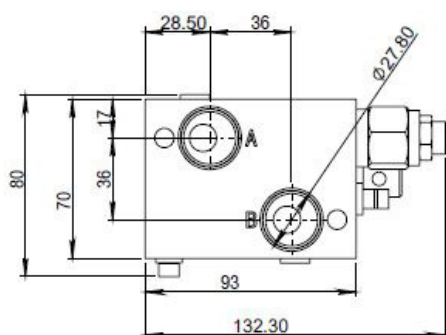
## MANUAL ROTARY DIRECTIONAL CONTROL MOTOR VALVES VNKP/VNKR

### SPECIFICATIONS

Max. flow	70L/min
Max. pressure	250 bar



### DIMENSIONS (mm)

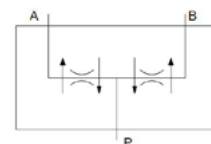


Standard code	Thread	Range	Body material
RMV-A-P-R-250-S	1/2	85-250	Zinc plated steel
RMV-A-P-R-250-B	1/2	85-250	brass

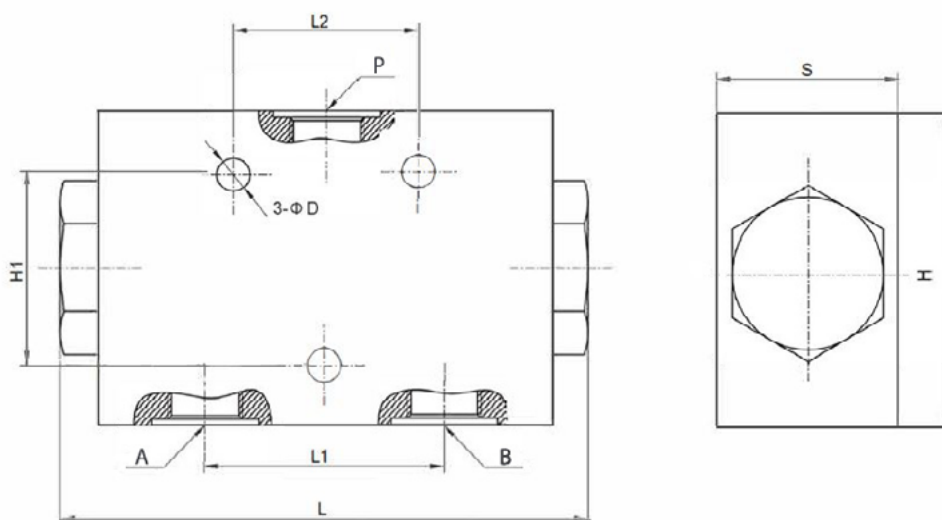
## SPOOL FLOW DIVIDERS

### SPECIFICATIONS

Fluid viscosity:	10-550mm <sup>2</sup> /s
Filtration:	ISO code 16/13
Fluid temperature:	-20°C + 90°C
Ambient temperature:	-20°C + 50°C
Standard seals:	NBR
External surfaces:	Zinc plated steel

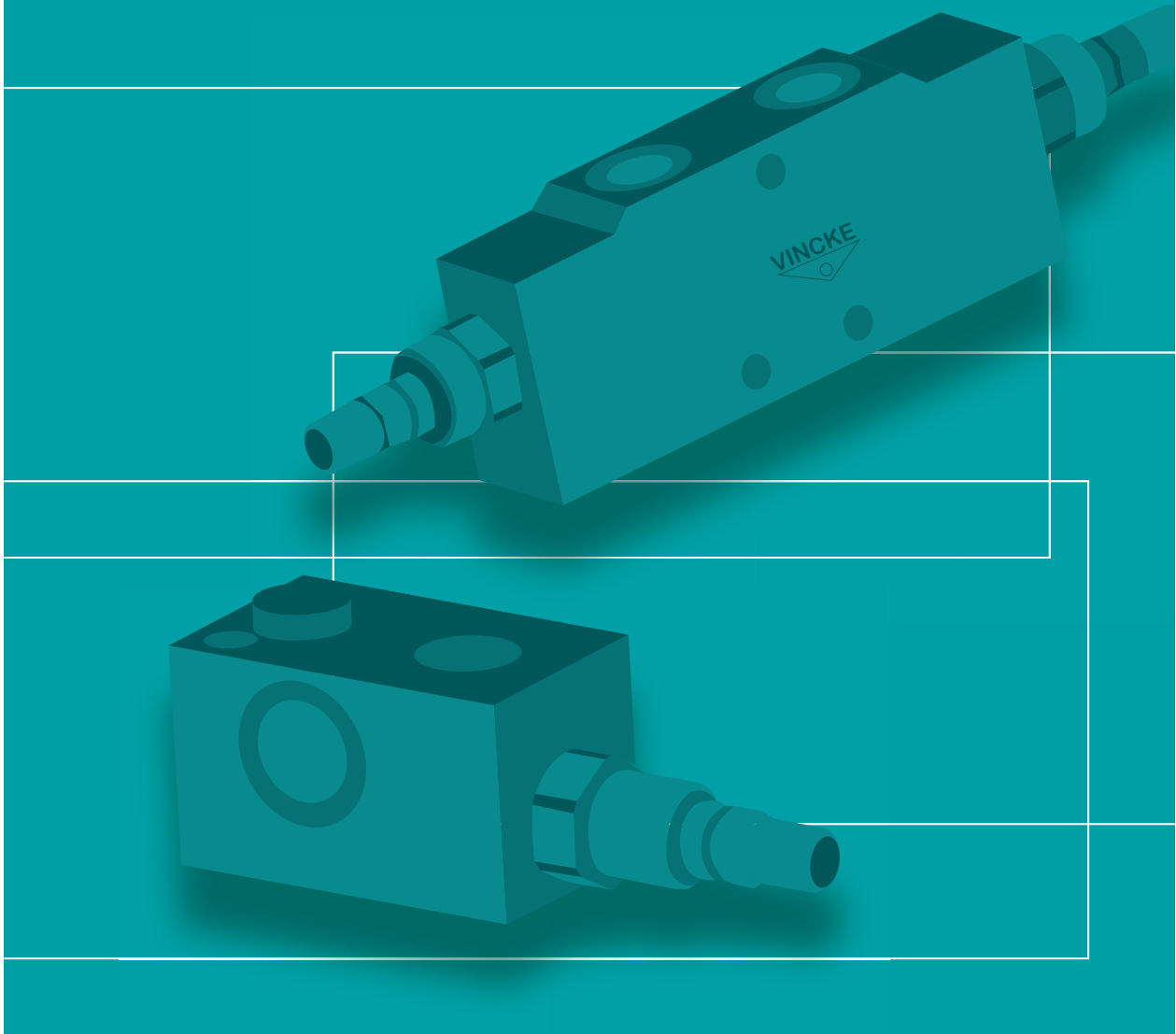


### DIMENSIONS (mm)



Standard code	Flow/Portata	P	A-B	L	L1	L2	H	H1	S	Max. Pressure	Weight (kg)
K-FDLV-6/10	6-10	3/8	3/8	117	53	40	70	45	40	250	2
K-FDLV-10/20	10-20	3/8	3/8	117	53	40	70	45	40	250	2
K-FDLV-25/40	25-40	1/2	3/8	117	53	40	70	45	40	250	2
K-FDLV-40/60	40-60	1/2	3/8	117	53	40	70	45	40	300	2
K-FDLV-60/80	60-80	1/2	3/8	117	53	40	70	45	40	300	2

# IN-LINE VALVES



# VINCKE

Your Hydraulic Brand

