

Table of contents

Technical information	2
General specifications	4
MODULAR VALVES	
Modular valve DCV30	23
Modular valve DCV50	24
Modular valve DCV80	25
Modular valve DCV MG	26
Ordering code	27
Inlet section	29
Working sections	32
Intermediate section	47
Outlet section	51

© 2015 Brevini Fluid Power S.p.A. All rights reserved. Hydr-App, SAM Hydraulik, Aron, Brevini Hydraulics, BPE Electronics, VPS Brevini, OT Oiltechnology, logos are trademarks or are registered trademarks of Brevini Fluid Power S.p.A. or other companies of the Brevini Group in Italy and other countries.

The technical features supplied in this catalogue are non binding and no legal action can be taken against such material. Brevini Fluid Power will not be held responsible for information and specifications which may lead to error or incorrect interpretations. Given the continuous technical research aimed at improved technical features of our products, Brevini Fluid Power reserves the right to make change that are considered appropriate without any prior notice. This catalogue cannot be reproduced (in whole or in part) without the prior written consent of Brevini Fluid Power. This catalogue supersedes all previous ones.

Use of the products in this catalogue must comply with the operating limits given in the technical specifications. The type of application and operating conditions must be assessed as normal or in malfunction in order to avoid endangering the safety of people and/or items.

General terms and conditions of sale: see website www.brevinifluidpower.com.

The products shown on this catalog are parts of  **v.p.s.** line.

INTRODUCTION

Read this instructions carefully before installation. All operations must be carried out by qualified personnel following the instructions.

The user must periodically inspect, based on the conditions of use and the substances used, the presence of corrosion, dirt, the state of wear and correct function of the valves.

HYDRAULIC FLUID

Use only mineral oil (HL, HLP) according to DIN 51524. Use of other different fluids may damage the good operation of the valve.

VISCOSITY

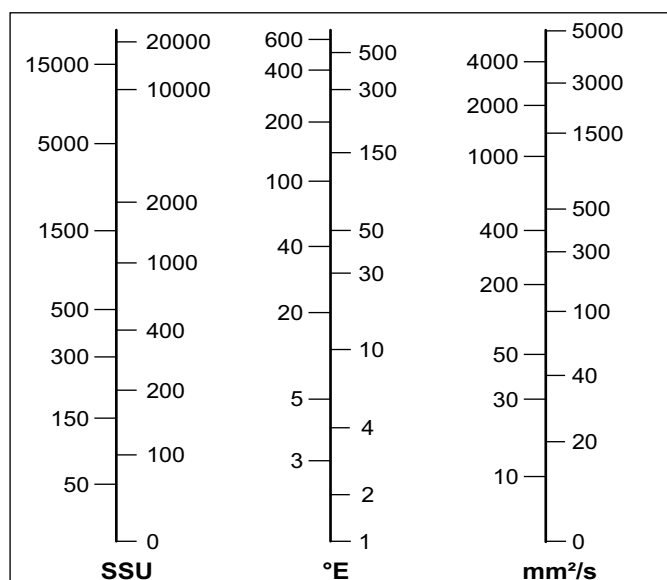
The oil viscosity must be in the range of 10 mm²/s to 500 mm²/s. Recommended oil viscosity 46 mm²/s (32 mm²/s for Cartridge valves)

Table 1: ISO viscosity grades

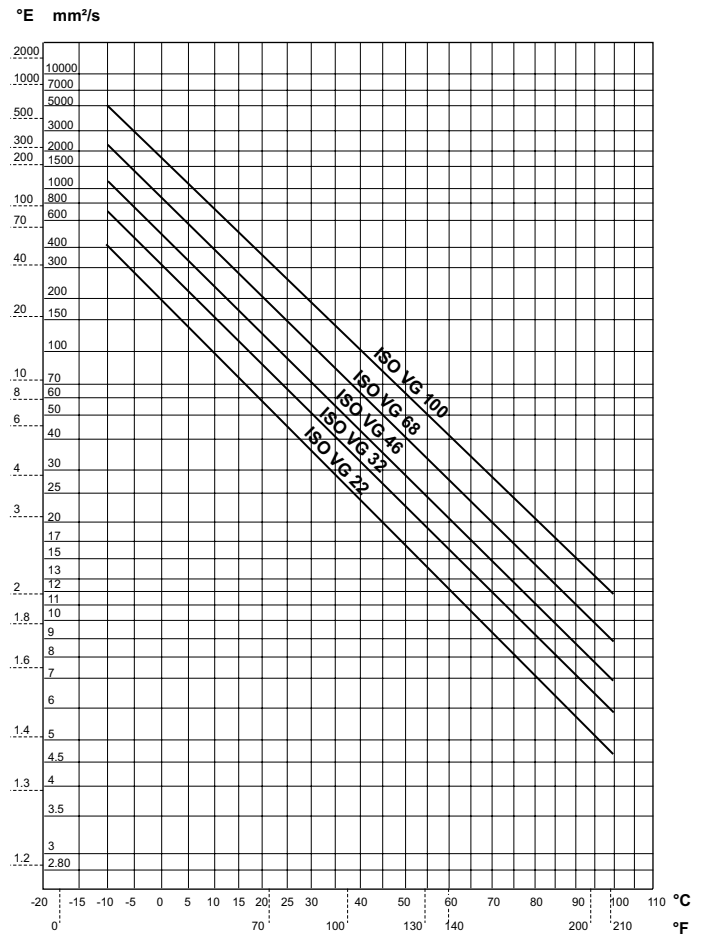
Viscosity grade	Average kinematic viscosity mm ² /s @ 40°C	Kinematic-viscosity limits mm ² /s @ 40°C	
		min.	max.
ISO VG 10	10	9.00	11.0
ISO VG 15	15	13.5	16.5
ISO VG 22	22	19.8	24.2
ISO VG 32	32	28.8	35.2
ISO VG 46	46	41.4	50.6
ISO VG 68	68	61.2	74.8
ISO VG 100	100	90.0	110

= Values used in the chart "Oil viscosity according to temperature"

CONVERSION TABLE SSU / °E / mm²/s



OIL VISCOSITY ACCORDING TO TEMPERATURE



CONTAMINATION

Oil contamination is the main cause of faults and malfunction in hydraulic systems. Abrasive particles in the fluid erode or block moving parts, leading to system malfunction.

The valves we are offering do not require filtering characteristics any higher than those needed for usual hydraulic components such as pumps, motors, etc.

However, accurate filtering does guarantee reliability and a long life to all the system's hydraulic parts. Reliable performance and long working life for all oil-pressure parts is assured by maintaining the level of fluid contamination within the limits specified in the data sheet of the valve.

Hydraulic fluid must also be cleaned properly before filling the hydraulic circuit, especially when commissioning a new system, as this is when the oil contamination generally peaks due to its flushing effect on the components, and the running-in of the pump.

Maximum contamination level is required on datasheet of the valve according to ISO 4406:1999.

In the following table there is the correspondence between ISO 4406:1999 and old standard NAS 1638 for information purpose:

The standard ISO 4406:1999 defines the contamination level with three numbers that relate with the number of particles of average dimension equal or greater than 4 μm, 6 μm e 14 μm, in 1 ml of fluid.

In following table there is a reference to recommended contamination level and correspondence with old NAS 1638 standard.

Table 2: Recommended contamination level.

Type of system Type of valve	Oil filtration recommendations		
	Cleanliness class recommended		Absolute filtration micron rating (**)
	ISO 4406 : 1999	NAS 1638 (*)	
Systems or components operating at HIGH PRESSURE > 250 bar (3600 psi) HIGH DUTY CYCLE APPLICATIONS Systems or components with LOW dirt tolerance	18 / 16 / 13	7 - 8	5
Systems or components operating at MEDIUM / HIGH PRESSURE Systems and components with moderate dirt tolerance	19 / 17 / 14	9	10
Systems or components operating at LOW PRESSURE < 100 bar (1500 psi) LOW DUTY CYCLE APPLICATIONS Systems and components with GOOD dirt tolerance	20 / 18 / 15	10 - 11	20

* Contamination class NAS 1638: it is determined by counting the total particles of different size ranges contained in 100 ml of fluid.

** Absolute filtration: it is a characteristic of each filter, it refers the size (in micron) of the largest spherical particle which may pass through the filter.

WORKING TEMPERATURES

Ambient temperature range: -25°C to +60°C

Fluid temperature range (NBR seals): -25°C to +75°C

Thermal shocks can affect the performance and the expected life of the product, hence it is necessary to protect the product from these conditions.

SEALS

O-rings made in Acrylonitrile Butadiene (NBR) are normally fitted on the valves. The backup rings that protect the O-rings are also made in NBR, or sometimes PTFE. Both the O-rings and the backup rings are suitable for the working temperatures mentioned above.

For different temperatures, contact our sales department.

ELECTRICAL POWER SUPPLY

The combination of permanent overvoltage and very hot temperatures can stress the solenoid. Therefore always a good heat dissipation and voltage level has to be assured.

INSTALLATION

The feet of the valve must always and perfectly rest on a plane surface. Do not tamper the tie rod nuts (control valves) to avoid damaging the distributor.

Observe the size of the fitting threads.

Do not use solvents to avoid damaging the rubber parts of the valves.

USE AND MAINTENANCE

Observe the functional limits indicated in the technical catalogue. On a periodic basis and based on the conditions of use, check for cleanliness, state of wear or fractures and correct performance of the valve.

If the O-rings are damaged, replace them with those supplied by the manufacturer.

To assure the best working conditions at all time, check the oil and replace it periodically (after the first 100 working hours and then after every 2000 working hours or at least once every year).

Attention: all installation and maintenance intervention must be performed by qualified staff.

TRANSPORT AND STORAGE

The valve must be handled with care to avoid damage caused by impact, which could compromise its efficiency.

In the case of storage, keep the valves in a dry place and protect against dust and corrosive substances.

When storing for periods of more than 6 months, fill the valve with preserving oils and seal it.

CONVERSION CHART

Type	SI units		Alternative units		Conversion factor
Force	Newton	(N) [kgm/s ²]	Kilogram force	(kgf)	1 kgf = 9.807 N
			pound force	(lbf) [lbf/s ²]	1 lbf = 4.448 N
Length	millimeter	(mm) [10 m]	inch	(in)	1 in = 25.4 mm
	meter	(km) [1000 m]	yard	(yd) [3ft]	1 m = 1.0936 yd
	kilometer	(km) [1000 m]	mile	(mile) [1760 yd]	1 mile = 1.609 km
Torque	Newton meter	(Nm)	pound force.feet	(lbf.ft)	1 lbf.ft = 1.356 Nm
Power	kiloWatt (kW)	[1000 Nm/s]	horsepower	(hp)	1 kW = 1.341 hp
			metric horsepower	(CV)	1 kW = 1.36 CV
Pressure	MegaPascal	(MPa) [N/mm ²]	bar		1 MPa = 10 bar
			psi (lbf/in ²)		1 MPa = 145 psi
			ton/f/in ²		1 ton/f/in ² = 15.45 MPa
Flow rate	liter/min	(l/min)	UK gal/min		1 UK gal/min = 4.546 l/min
			US gal/min		1 US gal/min = 3.785 l/min
Temperature	Degrees Celsius	(°C)	Fahrenheit	(°F)	1°F = 1.8 °C+32

MAIN CHARACTERISTICS

All the production VPS Brevini want to be a high quality production. Infact the project of each single valve and the choice of the better materials, machined with the highest technologies and under the strongest controls in each process, allow highest characteristics and numerous applications described in the following pages. Furthermore:

1. all the casting are made in Shell-Moulding, in special graphite cast iron. This kind of cast iron is in high resistance, and it allows to have, with the same external overall dimensions, bigger internal gallery, and lower pressure drops;
2. all spools are made in high resistance steel, nichel plated, radial balanced and with special notches in order to have a better sensibility;
3. all springs are made in high resistance steel. Pressure setting springs are pressed before testing;
4. max tolerance of spool housing is 2 micron;
5. internal leakage at 120 bar, 50° C and oil 30 cSt is between 1 and 2 cm³/min, depending from the kind of spool and the kind of valve.

GENERAL CONDITION OF WORK

Working temperature	-25 °C ÷ +75 °C
Max back pressure	20 bar (290 PSI)
Max contamination level	NAS 1638 class 9 (19/16 ISO-4406)
Fluid oil	Mineral oil
Kinematic viscosity	10 ÷ 460 mm ² /s
Filtration	β 12 ≥ 75

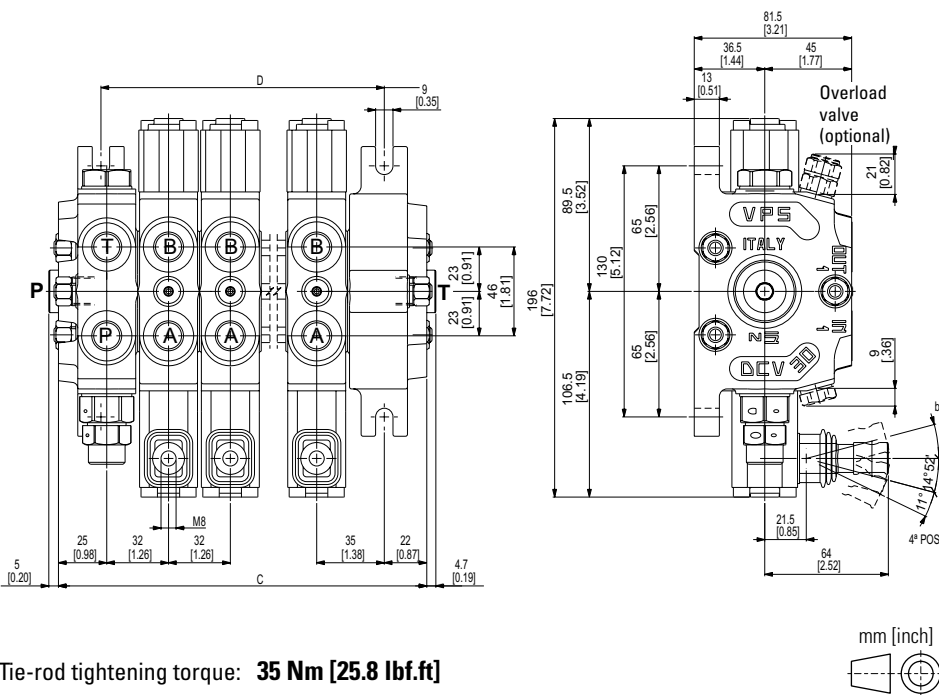
Spool are available with different metering, marine protected, Viton® seals, special spring, etc.

			MONOBLOCK VALVES		MODULAR VALVES			
			DCV 20	DCV 40	DCV 30	DCV 50	DCV 80	DCV MG
Features	Max section	N.o	6	6	12	12	12	10
	Max flow	l/min	40	70	40	70	120	230
		GPM	10.6	18.5	10.6	18.5	31.7	60.7
	Max pressure	BAR	400	400	350	350	350	350
psi		5800	5800	5075	5075	5075	5075	
Circuit	Parallel		●	●	●	●	●	●
	Series				●	●	●	●
	Tandem				●	●	●	●
Main relief valve	Direct		●	●	●			
	Piloted					●	●	●
Port relief valves	Overload		●	●	●	●	●	●
	Anti cavitation				●	●	●	●
	Combined				●	●	●	●
Threads	BSP		3/8"	1/2"	3/8"	1/2"	3/4"	1" - 3/4" ⁽¹⁾
				3/8" ⁽¹⁾			1/2" ⁽¹⁾	
	SAE		9/16" - 18UNF (SAE 6)	3/4" - 16UNF (SAE 8)	9/16" - 18UNF (SAE 6)	7/8" - 1 4UNF (SAE 10)	7/8" - 14UNF (SAE 10)	
				7/8" 14UNF (SAE 10) ⁽¹⁾			1" 5/16 - 12UNF (SAE 12) ⁽¹⁾	
Spool stroke	A ÷ B	mm	± 5	± 5	± 5	± 5	± 7	± 8
		inch	± 0.20	± 0.20	± 0.20	± 0.20	± 0.28	± 0.31
	4a position	mm	- 3.5	- 5	- 3.5	- 5	- 5.5	- 5.5
		inch	- 0.14	- 0.20	- 0.14	- 0.20	- 0.22	- 0.22
	Series	mm	—	—	± 4.5	± 4.5	± 5.5	± 8
		inch			± 0.18	± 0.18	± 0.22	± 0.31

⁽¹⁾ Threads availables on request

Modular valve DCV30

OVERALL DIMENSIONS



Type	C mm [inch]	D mm [inch]	Weight kg [lb]
DCV 30/1	114 [4.49]	70 [2.76]	4.70 [10.34]
DCV 30/2	146 [5.75]	102 [4.02]	6.40 [14.08]
DCV 30/3	178 [7.01]	134 [5.28]	8.10 [17.82]
DCV 30/4	210 [8.27]	166 [6.54]	9.80 [21.56]
DCV 30/5	242 [9.53]	198 [7.80]	11.50 [25.30]
DCV 30/6	274 [10.79]	230 [9.06]	13.20 [29.04]
DCV 30/7	306 [12.05]	262 [10.31]	14.90 [32.78]
DCV 30/8	338 [13.31]	294 [11.57]	16.60 [36.52]
DCV 30/9	370 [14.57]	326 [12.83]	18.30 [40.26]
DCV 30/10	402 [15.83]	358 [14.09]	20.00 [44.00]
DCV 30/11	434 [17.09]	390 [15.35]	21.70 [47.74]
DCV 30/12	466 [18.35]	422 [16.61]	23.40 [51.48]

Tie-rod tightening torque: **35 Nm [25.8 lbf.ft]**

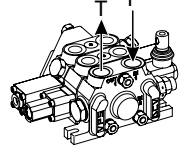
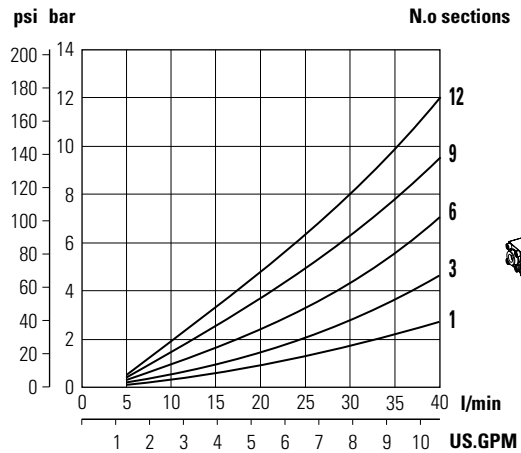
CHARACTERISTIC PRESSURE DROP FLOW CURVES

Technical data

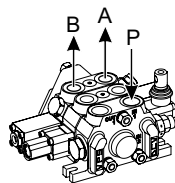
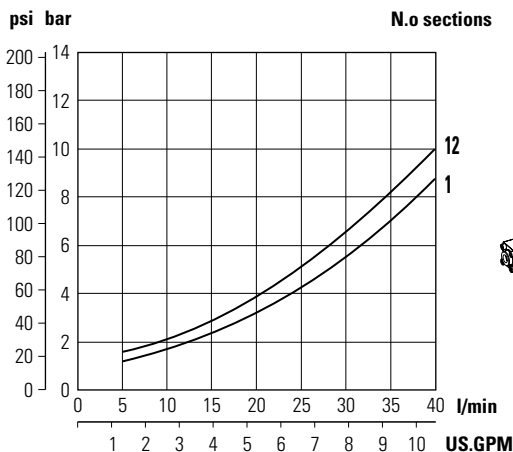
Flow	l/min	40
	GPM	10.6
Max pressure	BAR	350
	psi	5075
Oil viscosity	CST	30
Oil temperature	°C	50

Metering curves are different for each type of spool. Therefore particular curves are supplied on request

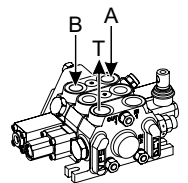
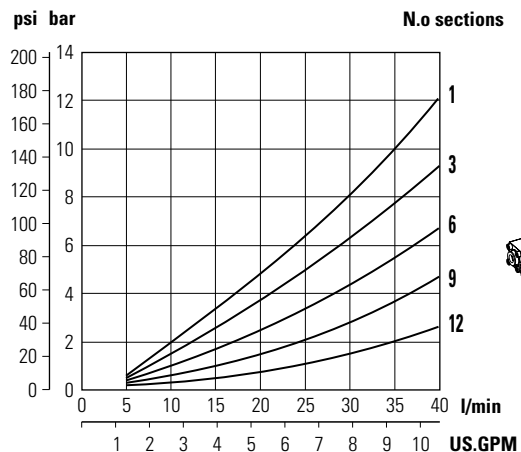
Inlet pressure drop between inlet port (P) and outlet port (T)



Inlet pressure drop between inlet port (P) and work ports (A/B)

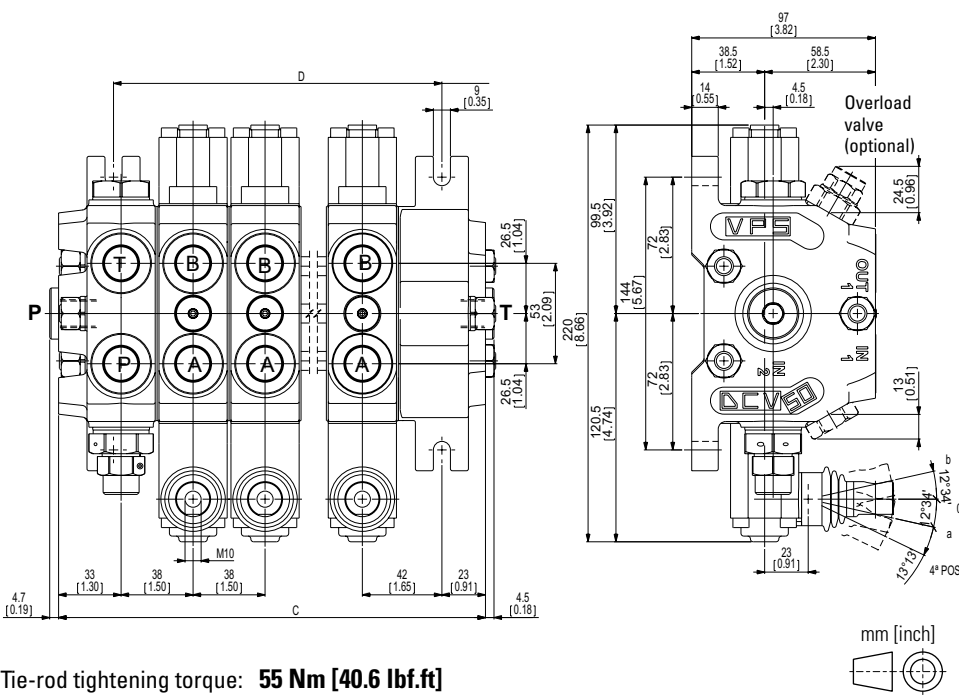


Inlet pressure drop between work ports (A/B) and outlet port (T)



Modular valve DCV50

OVERALL DIMENSIONS



Type	C mm [inch]	D mm [inch]	Weight kg [lb]
DCV 50/1	130 [5.12]	84 [3.31]	7.00 [15.40]
DCV 50/2	168 [6.61]	122 [4.80]	9.60 [21.12]
DCV 50/3	206 [8.11]	160 [6.30]	12.20 [26.84]
DCV 50/4	244 [9.61]	198 [7.80]	14.80 [32.56]
DCV 50/5	282 [11.10]	236 [9.29]	17.40 [38.28]
DCV 50/6	320 [12.60]	274 [10.79]	20.00 [44.00]
DCV 50/7	358 [14.09]	312 [12.28]	22.60 [49.72]
DCV 50/8	396 [15.59]	350 [13.78]	25.20 [55.44]
DCV 50/9	434 [17.09]	388 [15.28]	27.80 [61.16]
DCV 50/10	472 [18.58]	426 [16.77]	30.40 [67.88]
DCV 50/11	510 [20.08]	464 [18.27]	33.00 [72.60]
DCV 50/12	548 [21.57]	502 [19.76]	35.60 [78.32]

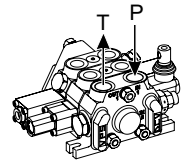
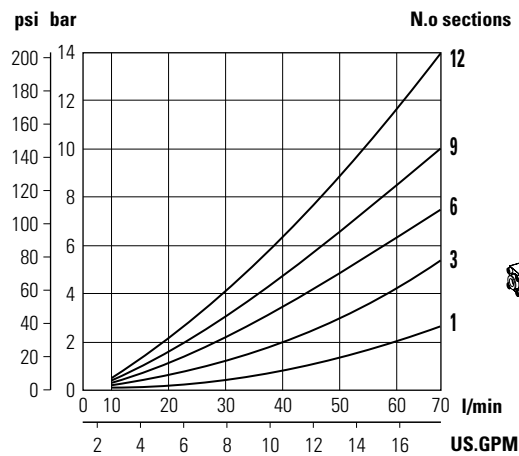
CHARACTERISTIC PRESSURE DROP FLOW CURVES

Technical data

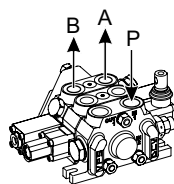
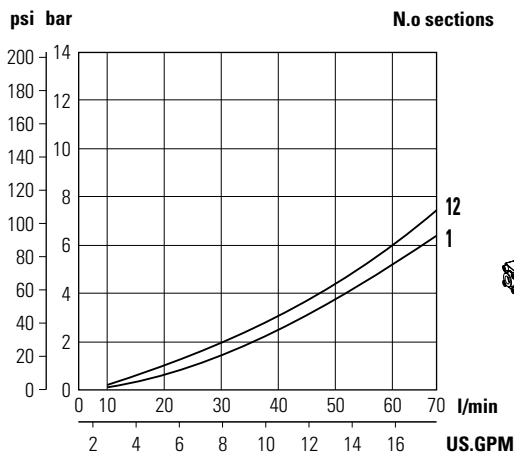
Flow	l/min	70
	GPM	18.5
Max pressure	BAR	350
	psi	5075
Oil viscosity	CST	30
Oil temperature	°C	50

Metering curves are different for each type of spool. Therefore particular curves are supplied on request

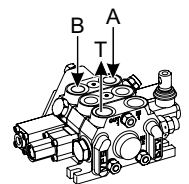
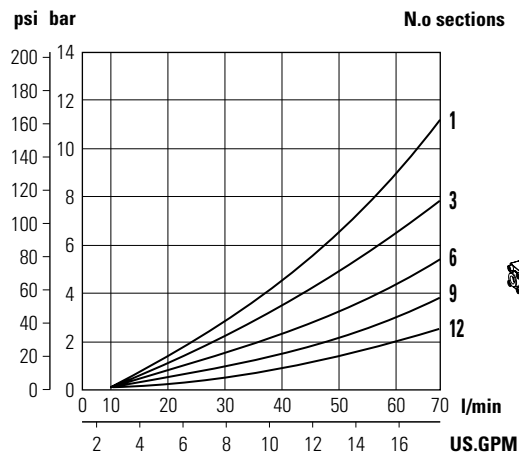
Inlet pressure drop between inlet port (P) and outlet port (T)



Inlet pressure drop between inlet port (P) and work ports (A/B)

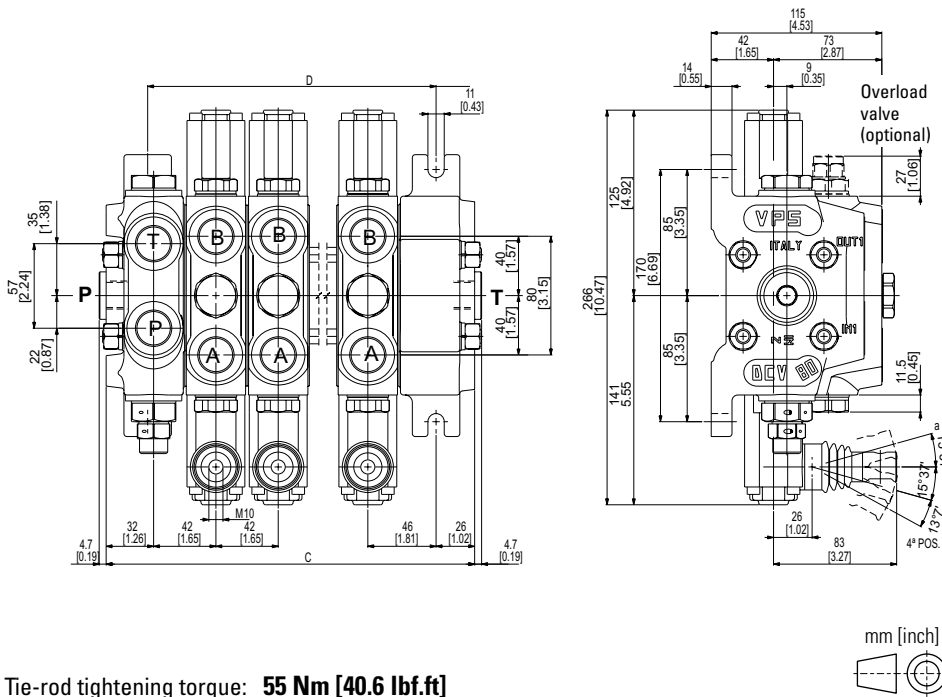


Inlet pressure drop between work ports (A/B) and outlet port (T)



Modular valve DCV80

OVERALL DIMENSIONS



Type	C mm [inch]	D mm [inch]	Weight kg [lb]
DCV 80/1	144 [5.67]	92 [3.62]	9.80 [21.56]
DCV 80/2	186 [7.32]	134 [5.28]	13.70 [30.14]
DCV 80/3	228 [8.98]	176 [6.93]	17.60 [38.72]
DCV 80/4	270 [10.63]	218 [8.58]	21.50 [47.30]
DCV 80/5	312 [12.28]	260 [10.24]	25.40 [55.88]
DCV 80/6	354 [13.94]	302 [11.89]	29.30 [64.46]
DCV 80/7	396 [15.59]	344 [13.54]	32.20 [70.84]
DCV 80/8	438 [17.24]	386 [15.20]	37.10 [81.62]
DCV 80/9	480 [18.90]	428 [16.85]	41.00 [90.20]
DCV 80/10	522 [20.55]	470 [18.50]	44.90 [98.78]
DCV 80/11	564 [22.20]	512 [20.16]	48.80 [107.36]
DCV 80/12	606 [23.86]	554 [21.81]	52.70 [115.94]

Tie-rod tightening torque: **55 Nm [40.6 lbf.ft]**

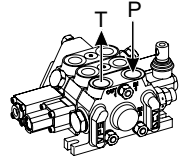
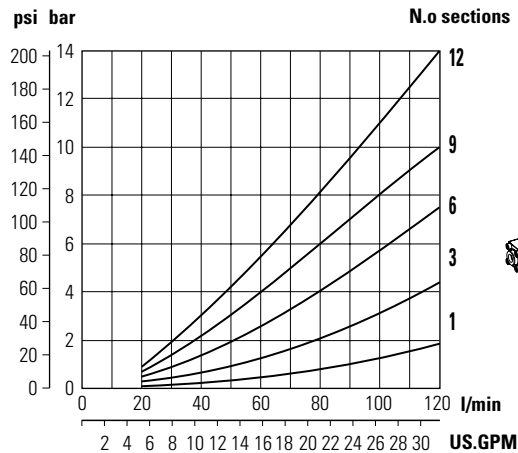
CHARACTERISTIC PRESSURE DROP FLOW CURVES

Technical data

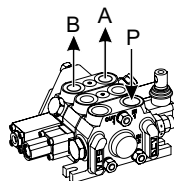
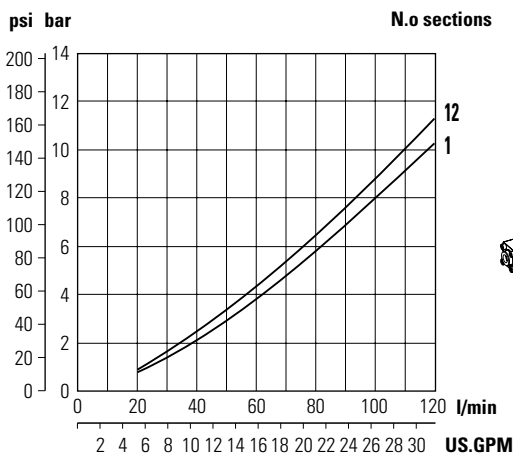
Flow	l/min	120
	GPM	31.7
Max pressure	BAR	350
	psi	5075
Oil viscosity	CST	30
Oil temperature	°C	50

Metering curves are different for each type of spool. Therefore particular curves are supplied on request

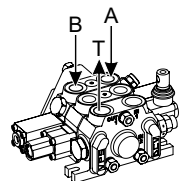
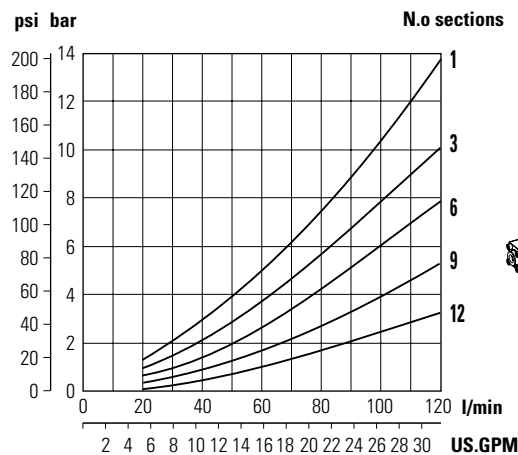
Inlet pressure drop between inlet port (P) and outlet port (T)



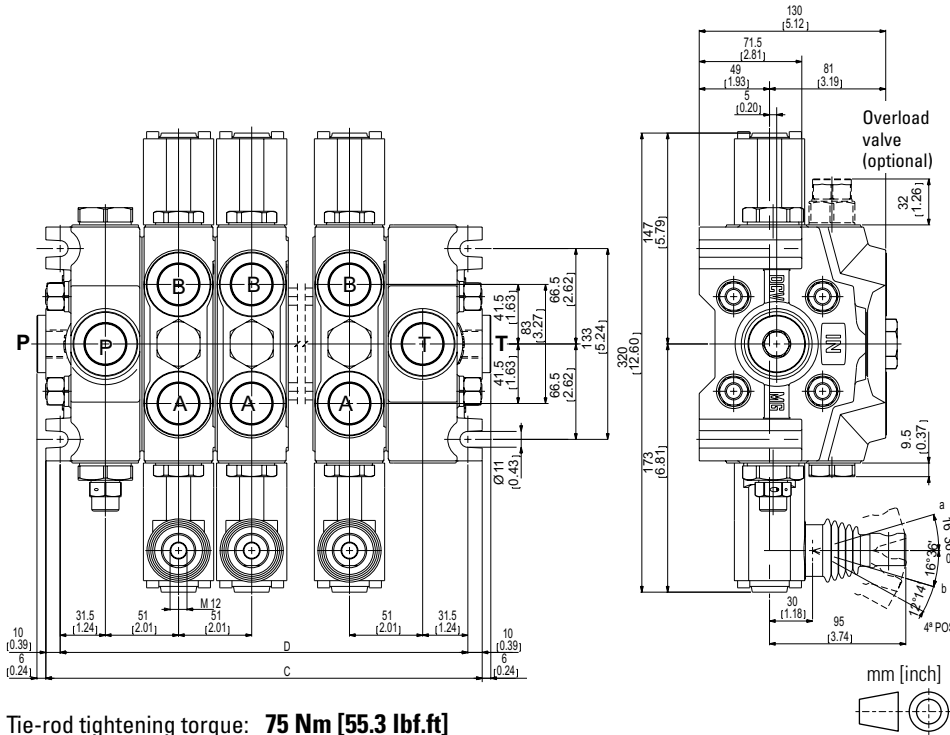
Inlet pressure drop between inlet port (P) and work ports (A/B)



Inlet pressure drop between work ports (A/B) and outlet port (T)



OVERALL DIMENSIONS



Type	C mm [inch]	D mm [inch]	Weight kg [lb]
DCV MG/1	185 [7.28]	165 [6.50]	16.00 [35.20]
DCV MG/2	236 [9.29]	216 [8.50]	22.60 [49.72]
DCV MG/3	287 [11.30]	267 [10.51]	29.20 [64.24]
DCV MG/4	338 [13.31]	318 [12.52]	35.80 [78.76]
DCV MG/5	389 [15.31]	368 [14.49]	42.40 [93.28]
DCV MG/6	440 [17.32]	420 [16.54]	49.00 [107.80]
DCV MG/7	491 [19.33]	461 [18.15]	55.60 [122.32]
DCV MG/8	542 [21.34]	522 [20.55]	62.20 [136.84]
DCV MG/9	593 [23.35]	573 [22.56]	68.80 [151.36]
DCV MG/10	644 [25.35]	624 [24.57]	75.40 [165.88]
DCV MG/11	695 [27.36]	675 [26.57]	82.00 [180.40]
DCV MG/12	746 [29.37]	726 [28.58]	88.60 [194.92]

Tie-rod tightening torque: **75 Nm [55.3 lbf.ft]**

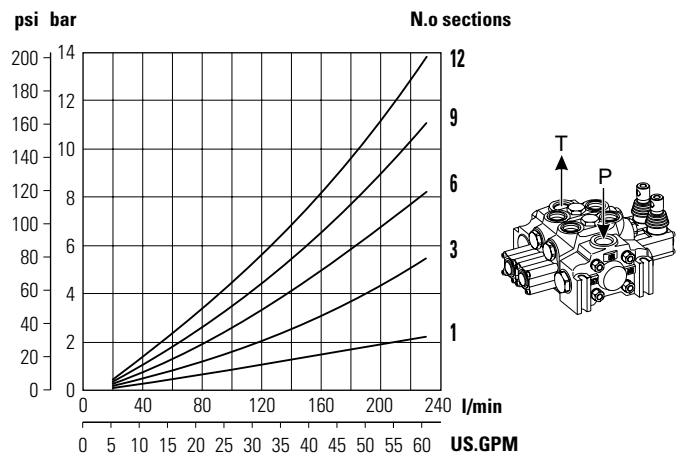
CHARACTERISTIC PRESSURE DROP FLOW CURVES

Technical data

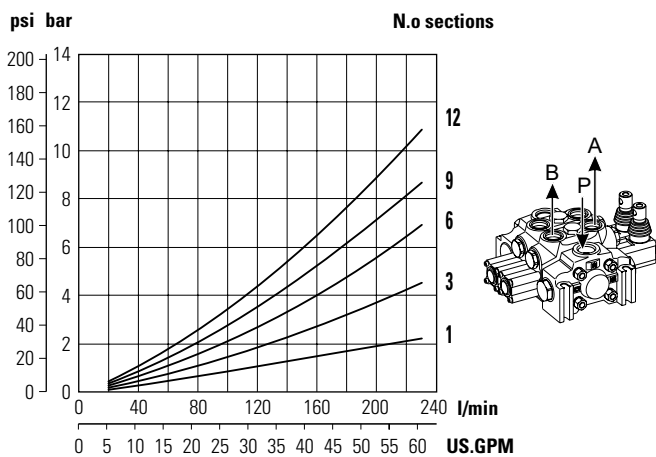
Flow	l/min	230
	GPM	60.7
Max pressure	BAR	350
	psi	5075
Oil viscosity	CST	30
Oil temperature	°C	50

Metering curves are different for each type of spool. Therefore particular curves are supplied on request

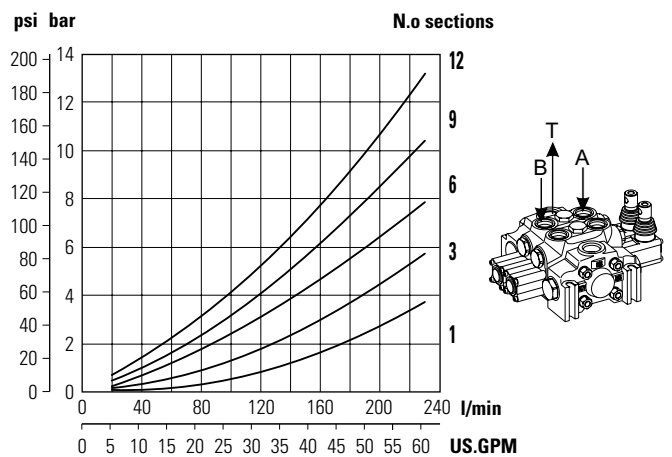
Inlet pressure drop between inlet port (P) and outlet port (T)



Inlet pressure drop between inlet port (P) and work ports (A/B)



Inlet pressure drop between work ports (A/B) and outlet port (T)



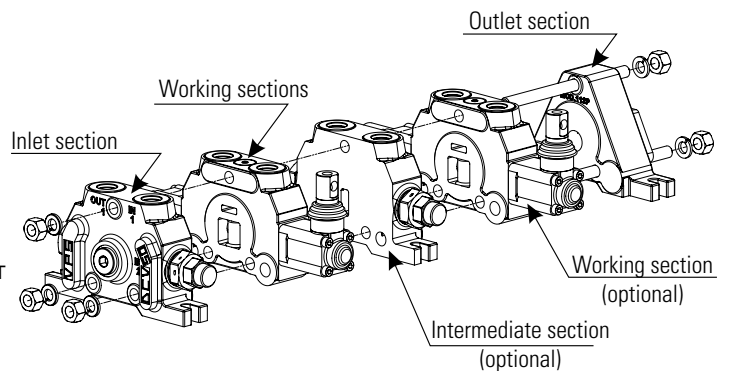
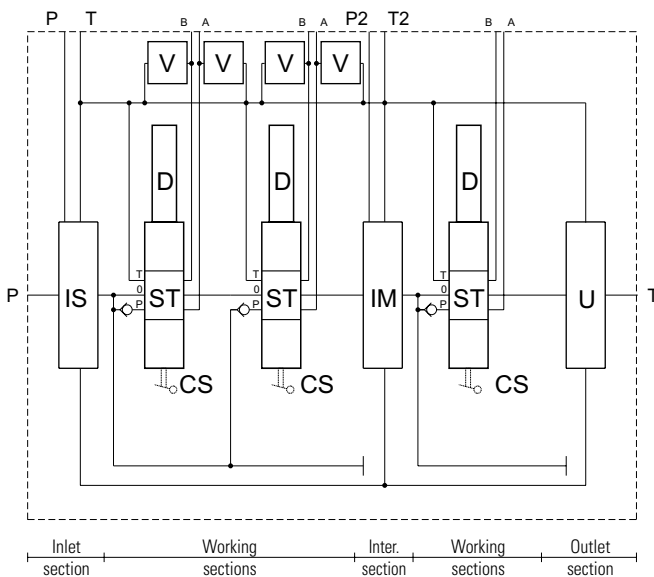
Ordering code

Description	Page	Model	Inlet section	Working sections (repeat for any section)												Intern. section	(1)	Outlet section	
		DCV ** / *	I* *** (***) * F*	ST**	CS**	D**	VA**(**) VB**(**) AP* F* W*	Xn: IM* F*	(1)	U* F*									
Size (30 50 80 MG)	23-24																		
N.o working sections	25-26																		
Inlet type	29																		
Valves arrangement	30																		
Main relief valve setting	30																		
Port location	31																		
Threads	31																		
Spool	32																		
Spool control handle side	33																		
Spool control cap side	33																		
Auxiliary valve on port A	43																		
Auxiliary valve on port B	43																		
Circuit	44																		
Threads	46																		
Hand lever	46																		
Working section repeated for n. times	46																		
Intermediate (opzional)	47																		
Threads	50																		
(1) Others working section (optional)	—																		
Outlet	51																		
Threads	52																		

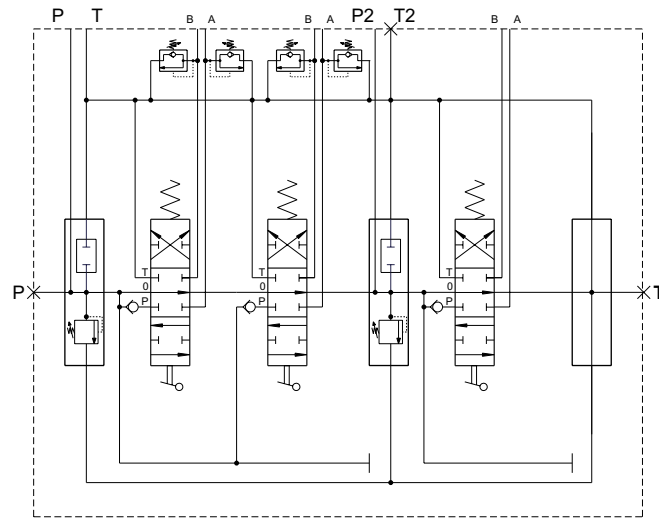
----- Optional fields

MODULAR

HYDRAULIC SCHEME



ORDERING CODE EXAMPLE



- DCV 30/3** - Distributore componibile DCV30 3 sezioni
- IS** - Left hand inlet
- 001** - Valves arrangement : Pilot-operated main relief valve (handle side) + Valve seat with plug (cap side)
- (200)** - Valve setting 200 BAR
- S** - Top inlet
- F3** - Threads 3/8" BSP
- ST1** - Spool 3 positions, double acting
- CS1** - Spool control handle side standard
- D4** - Spool control cap side. 3 positions, spring centred spool, detent in "b"
- VA3** - Service port valves - Combined valve in "A" port
- (150)** - Valve setting 150 BAR
- VB3** - Service port valves - Combined valve in "B" port
- (150)** - Valve setting 150 bar
- AP1** - Parallel circuit
- F3** - Threads 3/8" BSP
- X2** - Working section repeated for n. 2 times
- IME** - Intermediate section - parallel circuit
- 001** - Valves arrangement : Pilot-operated main relief valve (handle side) + Valve seat with plug (cap side)
- (200)** - Valve setting 200 BAR
- F3** - Threads 3/8" BSP
- ST1** - Spool 3 positions, double acting
- CS1** - Spool control handle side standard
- D1** - Spool control cap side. 3 positions, spring centred spool
- AP1** - Parallel circuit
- F3** - Threads 3/8" BSP
- US** - Top outlet
- F3** - Threads 3/8" BSP

Inlet type

DCV ** / * **I*** *** (***) * F* ST** CS** D** VA**(**) VB**(**) AP* F* W* Xn IM* F* .. U* F*

I* Inlet type

*	Description	Drawing
IS	Left hand inlet	
ID	Right hand inlet	

MODULAR

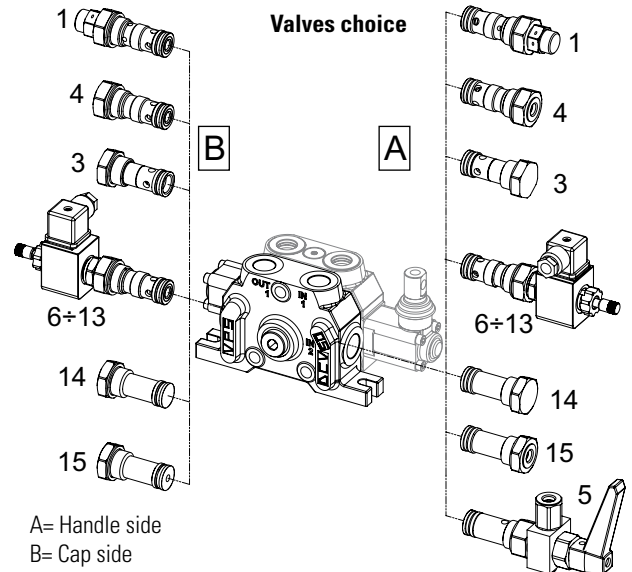
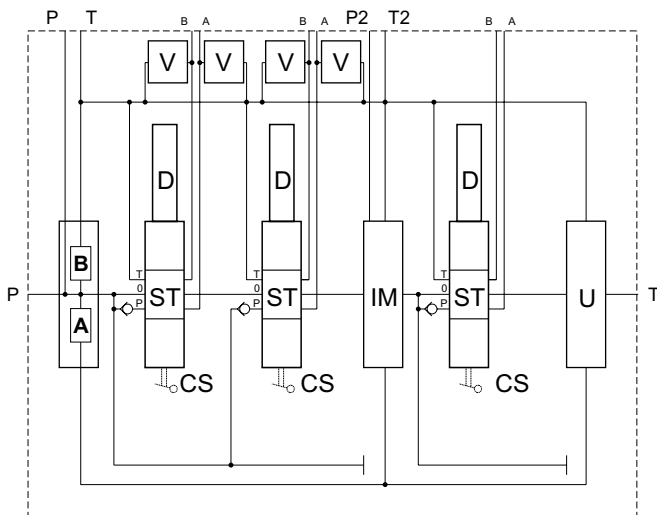
Valves arrangement
Main relief valve setting (bar)

DCV ** / * | * | *** | (***) | * | F* | ST** | CS** | D** | VA**(**) | VB**(**) | AP* | F* | W* | Xn | IM* | F* | .. | U* | F*

***** (***)** Valves arrangements and main relief valve setting

***	(***)	Arrangements		***	(***)	Arrangements	
		A*	B*			A*	B*
060	(1)	A1	B3	036	(1)	A10	B1
057	(1)	A1	B4	037	(1)	A11	B1
002	(1)	A1	B6 (2)	038	(1)	A12	B1
003	(1)	A1	B7 (2)	039	(1)	A13	B1
004	(1)	A1	B8 (2)	059	(1)	A14	B1
005	(1)	A1	B9 (2)	013	—	A14	B6 (2)
006	(1)	A1	B10 (2)	014	—	A14	B7 (2)
007	(1)	A1	B11 (2)	015	—	A14	B8 (2)
008	(1)	A1	B12 (2)	016	—	A14	B9 (2)
009	(1)	A1	B13 (2)	017	—	A14	B10 (2)
001	(1)	A1	B14	018	—	A14	B11 (2)
010	(1)	A1	B15	019	—	A14	B12 (2)
021	—	A4	B3	020	—	A14	B13 (2)
022	—	A4	B6 (2)	011	—	A14	B14
023	—	A4	B7 (2)	012	—	A14	B15
024	—	A4	B8 (2)	040	(1)	A15	B1
025	—	A4	B9 (2)	042	—	A15	B3
026	—	A4	B10 (2)	041	—	A15	B4
027	—	A4	B11 (2)	043	—	A15	B6 (2)
028	—	A4	B12 (2)	044	—	A15	B7 (2)
029	—	A4	B13 (2)	045	—	A15	B8 (2)
030	—	A4	B14	046	—	A15	B9 (2)
031	—	A4	B15	047	—	A15	B10 (2)
051	—	A5	B1	048	—	A15	B11 (2)
052	—	A5	B14	049	—	A15	B12 (2)
053	—	A5	B15	050	—	A15	B13 (2)
032	(1)	A6	B1	058	—	A15	B14
033	(1)	A7	B1				
034	(1)	A8	B1				
035	(1)	A9	B1				

(1) Specify pressure relief valve setting (from 20 to 350 bar)
(2) Can not be used with electro-hydraulic control D15 ÷ D18. Mount the electric valve on side A.



1 (3)	Pilot-operated main relief valve	
3	Anticavitation valve	
4	External pilot-operated valve	
5	Cross or hydraulic brakes lock valve	
6	Solenoid dump valve 12V work NORMALLY OPEN	
8	Solenoid dump valve 24V work NORMALLY OPEN	
10	Solenoid dump valve 26V work NORMALLY OPEN	
12	Solenoid dump valve 30V work NORMALLY OPEN	
7	Solenoid dump valve 12V work NORMALLY CLOSED	
9	Solenoid dump valve 24V work NORMALLY CLOSED	
11	Solenoid dump valve 26V work NORMALLY CLOSED	
13	Solenoid dump valve 30V work NORMALLY CLOSED	
14	Valve seat with plug	
15	Pressure gauge connection	

(3) Direct operated main valve only for DCV30

(4) Solenoid features

	12V	24V	26V
Resistance ohm (±7%)	8.7	32	37.5
Connector	DIN 43650 ISO 4400		
Protection degree	IP65		
Ambient temperature	-30 +60 °C		
Power	20 W		

Inlet section

Port location

DCV ** / * | * *** (***) * F* ST** CS** D** VA**(**) VB**(**) AP* F* W* Xn IM* F* .. U* F*

* Port type

*	Description	Drawing
S	Top inlet	<p style="text-align: center;">Scheme with left hand inlet</p>
L	Side inlet	<p style="text-align: center;">Scheme with left hand inlet</p>

..... (1) Only DCV30 - DCV50 - DCV80 (2) Only DCVMG

Threads

DCV ** / * | * *** (***) * F* ST** CS** D** VA**(**) VB**(**) AP* F* W* Xn IM* F* .. U* F*

F* Threads

**	Description	DCV 30	DCV 50	DCV 80	DCV MG
F3	3/8" BSP	•			
F4	1/2" BSP		•	•	
F5	3/4" BSP			•	
F6	1" BSP				•
F31	9/16" - 18 (SAE6)	•			
F33	7/8" - 14 (SAE10)		•	•	
F34	1" 1/16 - 16 (SAE12)			•	
F36	1" 5/16 - 12 (SAE16)				•

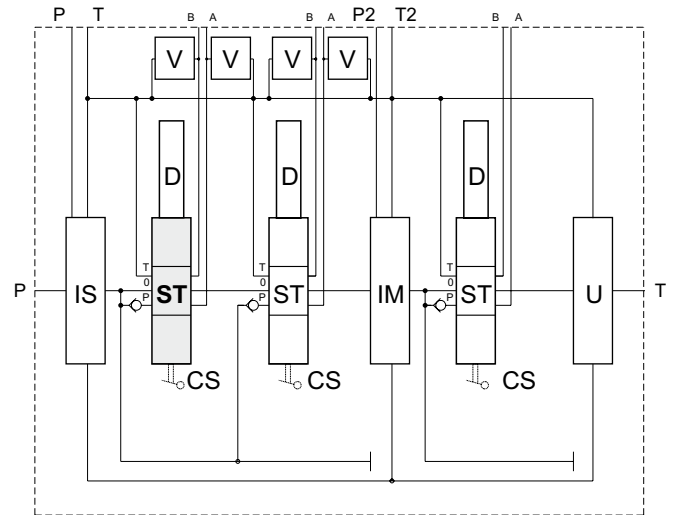
MODULAR

Spool

DCV ** / * | * *** (***) * F* **ST**** CS** D** VA**(**) VB**(**) AP* F* W* Xn IM* F* .. U* F*

ST** Spool

**	Description	Symbol
ST1 ST1G (1/2)	3 positions, double acting	
ST2	3 positions, double acting, - no passage in 0 - A and B open	
ST3	3 positions, double acting, - no passage in 0 - A and B blocked	
ST4 ST4G (1)	3 positions, double acting, - A and B open	
ST5 ST5G (1)	3 positions, double acting, - A open - B blocked	
ST6 ST6G (1)	3 positions, double acting, - A blocked - B open	
ST7	3 positions, single acting in A	
ST8	3 positions, single acting in B	
ST9	3 positions, single acting in A - A open	
ST10	3 positions, single acting in B - B open	
ST11	3 positions, double acting regenerative in A (not standard)	
ST12	4 positions, double acting with 4th float position	

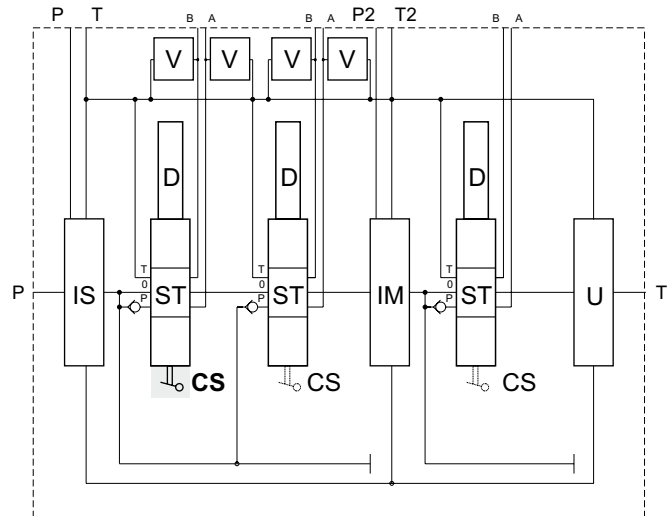


**	Description	Symbol
ST23	2 positions with function dead man (unactivated) in "a" position ; working position in "0"	
ST24	2 positions with function dead man (unactivated) in "b" position ; working position in "0"	
ST27	2 positions with function dead man (unactivated) in "0" position ; working position in "b"	
ST28	2 positions with function dead man (unactivated) in "0" position ; working position in "a"	
ST13	3 positions, series circuit double-acting	
ST14	3 positions, series circuit double-acting - A open - B blocked	
ST15	3 positions, series circuit double-acting - A and B open	
ST16	3 positions, series circuit double-acting - A blocked - B open	

(1) STG = Extra metering

Spool control handle side

DCV ** / * I* *** (***) * F* ST** **CS**** D** VA**(**) VB**(**) AP* F* W* Xn IM* F* .. U* F*



CS** Spool control handle side

**	Description	Drawing																																															
CS1 CSA1 <small>(1)</small>	Standard handle 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> <th rowspan="2">B</th> <th colspan="4">C</th> </tr> <tr> <th>mm</th> <th>inch</th> <th colspan="2">CS1</th> <th colspan="2">CSA1</th> </tr> <tr> <th>DCV 30</th> <td>64</td> <td>2.52</td> <td>M8</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> </tr> <tr> <th>DCV 50</th> <td>68</td> <td>2.68</td> <td>M10</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> </tr> <tr> <th>DCV 80</th> <td>83</td> <td>3.27</td> <td>M10</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> </tr> <tr> <th>DCV MG</th> <td>95</td> <td>3.74</td> <td>M12</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> </tr> </thead> </table>		A		B	C				mm	inch	CS1		CSA1		DCV 30	64	2.52	M8	55	2.17	—	—	DCV 50	68	2.68	M10	62.5	2.46	67.5	2.66	DCV 80	83	3.27	M10	74	2.91	79.5	3.13	DCV MG	95	3.74	M12	90	3.54	—	—
	A		B		C																																												
	mm	inch		CS1		CSA1																																											
DCV 30	64	2.52	M8	55	2.17	—	—																																										
DCV 50	68	2.68	M10	62.5	2.46	67.5	2.66																																										
DCV 80	83	3.27	M10	74	2.91	79.5	3.13																																										
DCV MG	95	3.74	M12	90	3.54	—	—																																										
CS2 CSA2 <small>(1)</small>	Handle at 180° 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> <th rowspan="2">B</th> <th colspan="4">C</th> </tr> <tr> <th>mm</th> <th>inch</th> <th colspan="2">CS2</th> <th colspan="2">CSA2</th> </tr> <tr> <th>DCV 30</th> <td>64</td> <td>2.52</td> <td>M8</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> </tr> <tr> <th>DCV 50</th> <td>68</td> <td>2.68</td> <td>M10</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> </tr> <tr> <th>DCV 80</th> <td>83</td> <td>3.27</td> <td>M10</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> </tr> <tr> <th>DCV MG</th> <td>95</td> <td>3.74</td> <td>M12</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> </tr> </thead> </table>		A		B	C				mm	inch	CS2		CSA2		DCV 30	64	2.52	M8	55	2.17	—	—	DCV 50	68	2.68	M10	62.5	2.46	67.5	2.66	DCV 80	83	3.27	M10	74	2.91	79.5	3.13	DCV MG	95	3.74	M12	90	3.54	—	—
	A		B		C																																												
	mm	inch		CS2		CSA2																																											
DCV 30	64	2.52	M8	55	2.17	—	—																																										
DCV 50	68	2.68	M10	62.5	2.46	67.5	2.66																																										
DCV 80	83	3.27	M10	74	2.91	79.5	3.13																																										
DCV MG	95	3.74	M12	90	3.54	—	—																																										
CS3	Without handle 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> <th colspan="2">B</th> <th colspan="2">C</th> </tr> <tr> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> <tr> <th>DCV 30</th> <td>41</td> <td>1.61</td> <td>11</td> <td>0.43</td> <td>6</td> <td>0.24</td> </tr> <tr> <th>DCV 50</th> <td>50</td> <td>1.97</td> <td>16</td> <td>0.63</td> <td>9</td> <td>0.35</td> </tr> <tr> <th>DCV 80</th> <td>59.5</td> <td>2.34</td> <td>17.5</td> <td>0.69</td> <td>9</td> <td>0.35</td> </tr> <tr> <th>DCV MG</th> <td>72</td> <td>2.83</td> <td>0.69</td> <td>0.75</td> <td>9</td> <td>0.35</td> </tr> </thead> </table>		A		B		C		mm	inch	mm	inch	mm	inch	DCV 30	41	1.61	11	0.43	6	0.24	DCV 50	50	1.97	16	0.63	9	0.35	DCV 80	59.5	2.34	17.5	0.69	9	0.35	DCV MG	72	2.83	0.69	0.75	9	0.35					
	A		B		C																																												
	mm	inch	mm	inch	mm	inch																																											
DCV 30	41	1.61	11	0.43	6	0.24																																											
DCV 50	50	1.97	16	0.63	9	0.35																																											
DCV 80	59.5	2.34	17.5	0.69	9	0.35																																											
DCV MG	72	2.83	0.69	0.75	9	0.35																																											
CS4	Hydraulic control - Max pilot pressure 35 bar 508 psi 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> <th rowspan="2">B</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> <tr> <th>DCV 30</th> <td>59</td> <td>2.32</td> <td>1/4" BSP</td> </tr> <tr> <th>DCV 50</th> <td>68</td> <td>2.32</td> <td>1/4" BSP</td> </tr> <tr> <th>DCV 80</th> <td>87</td> <td>3.43</td> <td>1/4" BSP</td> </tr> <tr> <th>DCV MG</th> <td>80</td> <td>3.15</td> <td>1/4" BSP</td> </tr> </thead> </table>		A		B	mm	inch	DCV 30	59	2.32	1/4" BSP	DCV 50	68	2.32	1/4" BSP	DCV 80	87	3.43	1/4" BSP	DCV MG	80	3.15	1/4" BSP																								
	A		B																																														
	mm	inch																																															
DCV 30	59	2.32	1/4" BSP																																														
DCV 50	68	2.32	1/4" BSP																																														
DCV 80	87	3.43	1/4" BSP																																														
DCV MG	80	3.15	1/4" BSP																																														
CS53	Hydraulic lever control 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> <th colspan="2">B</th> <th rowspan="2">C</th> <th rowspan="2">D</th> </tr> <tr> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> <tr> <th>DCV 30</th> <td>59</td> <td>2.32</td> <td>109</td> <td>4.29</td> <td>1/4" BSP</td> <td>64</td> <td>2.52</td> </tr> <tr> <th>DCV 80</th> <td>101</td> <td>3.98</td> <td>119</td> <td>4.69</td> <td>1/4" BSP</td> <td>83</td> <td>3.27</td> </tr> </thead> </table>		A		B		C	D	mm	inch	mm	inch	DCV 30	59	2.32	109	4.29	1/4" BSP	64	2.52	DCV 80	101	3.98	119	4.69	1/4" BSP	83	3.27																			
	A		B		C	D																																											
	mm	inch	mm	inch																																													
DCV 30	59	2.32	109	4.29	1/4" BSP	64	2.52																																										
DCV 80	101	3.98	119	4.69	1/4" BSP	83	3.27																																										

(1) **CSA**. = Aluminium version (only DCV50 - DCV80)

MODULAR

CS** Spool control handle side

**	Description	Drawing																														
CS5 CSA5 <i>(1)</i>	Safety handle locked in neutral position 	 <table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>200</td> <td>7.87</td> <td>73</td> <td>2.87</td> </tr> <tr> <td>DCV 50</td> <td>220</td> <td>8.66</td> <td>81</td> <td>3.19</td> </tr> <tr> <td>DCV 80</td> <td>245</td> <td>9.65</td> <td>102</td> <td>4.02</td> </tr> <tr> <td>DCV MG</td> <td>260</td> <td>10.24</td> <td>119.5</td> <td>4.70</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	200	7.87	73	2.87	DCV 50	220	8.66	81	3.19	DCV 80	245	9.65	102	4.02	DCV MG	260	10.24	119.5	4.70
	A		B																													
	mm	inch	mm	inch																												
DCV 30	200	7.87	73	2.87																												
DCV 50	220	8.66	81	3.19																												
DCV 80	245	9.65	102	4.02																												
DCV MG	260	10.24	119.5	4.70																												
CS6 CSA6 <i>(1)</i>	Safety handle locked in position "a" 	 <table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>200</td> <td>7.87</td> <td>73</td> <td>2.87</td> </tr> <tr> <td>DCV 50</td> <td>220</td> <td>8.66</td> <td>81</td> <td>3.19</td> </tr> <tr> <td>DCV 80</td> <td>245</td> <td>9.65</td> <td>102</td> <td>4.02</td> </tr> <tr> <td>DCV MG</td> <td>260</td> <td>10.24</td> <td>119.5</td> <td>4.70</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	200	7.87	73	2.87	DCV 50	220	8.66	81	3.19	DCV 80	245	9.65	102	4.02	DCV MG	260	10.24	119.5	4.70
	A		B																													
	mm	inch	mm	inch																												
DCV 30	200	7.87	73	2.87																												
DCV 50	220	8.66	81	3.19																												
DCV 80	245	9.65	102	4.02																												
DCV MG	260	10.24	119.5	4.70																												
CS7 CSA7 <i>(1)</i>	Security handle locked in position "b" 	 <table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>200</td> <td>7.87</td> <td>73</td> <td>2.87</td> </tr> <tr> <td>DCV 50</td> <td>220</td> <td>8.66</td> <td>81</td> <td>3.19</td> </tr> <tr> <td>DCV 80</td> <td>245</td> <td>9.65</td> <td>102</td> <td>4.02</td> </tr> <tr> <td>DCV MG</td> <td>260</td> <td>10.24</td> <td>119.5</td> <td>4.70</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	200	7.87	73	2.87	DCV 50	220	8.66	81	3.19	DCV 80	245	9.65	102	4.02	DCV MG	260	10.24	119.5	4.70
	A		B																													
	mm	inch	mm	inch																												
DCV 30	200	7.87	73	2.87																												
DCV 50	220	8.66	81	3.19																												
DCV 80	245	9.65	102	4.02																												
DCV MG	260	10.24	119.5	4.70																												
CS8 CSA8 <i>(1)</i>	Security handle locked in position "a" and "b" 	 <table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>200</td> <td>7.87</td> <td>73</td> <td>2.87</td> </tr> <tr> <td>DCV 50</td> <td>220</td> <td>8.66</td> <td>81</td> <td>3.19</td> </tr> <tr> <td>DCV 80</td> <td>245</td> <td>9.65</td> <td>102</td> <td>4.02</td> </tr> <tr> <td>DCV MG</td> <td>260</td> <td>10.24</td> <td>119.5</td> <td>4.70</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	200	7.87	73	2.87	DCV 50	220	8.66	81	3.19	DCV 80	245	9.65	102	4.02	DCV MG	260	10.24	119.5	4.70
	A		B																													
	mm	inch	mm	inch																												
DCV 30	200	7.87	73	2.87																												
DCV 50	220	8.66	81	3.19																												
DCV 80	245	9.65	102	4.02																												
DCV MG	260	10.24	119.5	4.70																												
CS9 CSA9 <i>(1)</i>	Security handle locked in 4th position 	 <table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>200</td> <td>7.87</td> <td>73</td> <td>2.87</td> </tr> <tr> <td>DCV 50</td> <td>220</td> <td>8.66</td> <td>81</td> <td>3.19</td> </tr> <tr> <td>DCV 80</td> <td>245</td> <td>9.65</td> <td>102</td> <td>4.02</td> </tr> <tr> <td>DCV MG</td> <td>260</td> <td>10.24</td> <td>119.5</td> <td>4.70</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	200	7.87	73	2.87	DCV 50	220	8.66	81	3.19	DCV 80	245	9.65	102	4.02	DCV MG	260	10.24	119.5	4.70
	A		B																													
	mm	inch	mm	inch																												
DCV 30	200	7.87	73	2.87																												
DCV 50	220	8.66	81	3.19																												
DCV 80	245	9.65	102	4.02																												
DCV MG	260	10.24	119.5	4.70																												
CS40 CSA40 <i>(1)</i>	Lever with clutch 	 <table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 50</td> <td>269</td> <td>10.59</td> <td>77</td> <td>3.03</td> </tr> <tr> <td>DCV 80</td> <td>284</td> <td>11.18</td> <td>102</td> <td>4.01</td> </tr> <tr> <td>DCV MG</td> <td>299</td> <td>11.77</td> <td>119.5</td> <td>4.70</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 50	269	10.59	77	3.03	DCV 80	284	11.18	102	4.01	DCV MG	299	11.77	119.5	4.70					
	A		B																													
	mm	inch	mm	inch																												
DCV 50	269	10.59	77	3.03																												
DCV 80	284	11.18	102	4.01																												
DCV MG	299	11.77	119.5	4.70																												

(1) CSA. = Aluminium version (only DCV50 - DCV80)

CS** *Spool control handle side*

**	Description	Drawing																													
CS12 (CX) <i>(1)</i>	Cloche control at 90° with fulcrum on the upstream for left inlet section and downstream for right inlet section (not available on DCV MG)	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">L</th> <th colspan="2">D</th> </tr> <tr> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>285</td> <td>11.22</td> <td>3.5</td> <td>0.13</td> </tr> <tr> <td>DCV 50</td> <td>290</td> <td>11.42</td> <td>3</td> <td>0.11</td> </tr> <tr> <td>DCV 80</td> <td>308.5</td> <td>12.15</td> <td>4</td> <td>0.15</td> </tr> <tr> <td>DCV MG</td> <td>324</td> <td>12.76</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		L		D		mm	inch	mm	inch	DCV 30	285	11.22	3.5	0.13	DCV 50	290	11.42	3	0.11	DCV 80	308.5	12.15	4	0.15	DCV MG	324	12.76	0	0
	L			D																											
	mm	inch	mm	inch																											
DCV 30	285	11.22	3.5	0.13																											
DCV 50	290	11.42	3	0.11																											
DCV 80	308.5	12.15	4	0.15																											
DCV MG	324	12.76	0	0																											
CS13 (CX) <i>(1)</i>	Cloche control at 90° with fulcrum on the downstream for left inlet section and upstream for right inlet section (not available on DCV MG)	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">L</th> <th colspan="2">D</th> </tr> <tr> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>285</td> <td>11.22</td> <td>3.5</td> <td>0.13</td> </tr> <tr> <td>DCV 50</td> <td>290</td> <td>11.42</td> <td>3</td> <td>0.11</td> </tr> <tr> <td>DCV 80</td> <td>308.5</td> <td>12.15</td> <td>4</td> <td>0.15</td> </tr> <tr> <td>DCV MG</td> <td>324</td> <td>12.76</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		L		D		mm	inch	mm	inch	DCV 30	285	11.22	3.5	0.13	DCV 50	290	11.42	3	0.11	DCV 80	308.5	12.15	4	0.15	DCV MG	324	12.76	0	0
	L			D																											
	mm	inch	mm	inch																											
DCV 30	285	11.22	3.5	0.13																											
DCV 50	290	11.42	3	0.11																											
DCV 80	308.5	12.15	4	0.15																											
DCV MG	324	12.76	0	0																											
CS14	Flexible cable control	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>285</td> <td>11.22</td> <td>(2)</td> <td>(2)</td> </tr> <tr> <td>DCV 50</td> <td>290</td> <td>11.42</td> <td>(2)</td> <td>(2)</td> </tr> <tr> <td>DCV 80</td> <td>308.5</td> <td>12.15</td> <td>(2)</td> <td>(2)</td> </tr> <tr> <td>DCV MG</td> <td>324</td> <td>12.76</td> <td>(2)</td> <td>(2)</td> </tr> </tbody> </table>		A		B		mm	inch	mm	inch	DCV 30	285	11.22	(2)	(2)	DCV 50	290	11.42	(2)	(2)	DCV 80	308.5	12.15	(2)	(2)	DCV MG	324	12.76	(2)	(2)
	A			B																											
	mm	inch	mm	inch																											
DCV 30	285	11.22	(2)	(2)																											
DCV 50	290	11.42	(2)	(2)																											
DCV 80	308.5	12.15	(2)	(2)																											
DCV MG	324	12.76	(2)	(2)																											
CS15 CSA15 <i>(3)</i>	Spool stroke adjustment	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>78</td> <td>3.07</td> </tr> <tr> <td>DCV 50</td> <td>82</td> <td>3.23</td> </tr> <tr> <td>DCV 80</td> <td>99.5</td> <td>99.5</td> </tr> <tr> <td>DCV MG</td> <td>112</td> <td>4.41</td> </tr> </tbody> </table>		A		mm	inch	DCV 30	78	3.07	DCV 50	82	3.23	DCV 80	99.5	99.5	DCV MG	112	4.41												
	A																														
	mm	inch																													
DCV 30	78	3.07																													
DCV 50	82	3.23																													
DCV 80	99.5	99.5																													
DCV MG	112	4.41																													
CS16 CSA16 <i>(3)</i>	Spool stroke adjustment, handle at 180°	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>78</td> <td>3.07</td> </tr> <tr> <td>DCV 50</td> <td>82</td> <td>3.23</td> </tr> <tr> <td>DCV 80</td> <td>99.5</td> <td>99.5</td> </tr> <tr> <td>DCV MG</td> <td>112</td> <td>4.41</td> </tr> </tbody> </table>		A		mm	inch	DCV 30	78	3.07	DCV 50	82	3.23	DCV 80	99.5	99.5	DCV MG	112	4.41												
	A																														
	mm	inch																													
DCV 30	78	3.07																													
DCV 50	82	3.23																													
DCV 80	99.5	99.5																													
DCV MG	112	4.41																													

(1) (CX) code required to use on 2th section
 (2) Length cable and control, contact our commercial dept
 (3) **CSA** = Aluminium version (only DCV50 - DCV80)

MODULAR

CS** Spool control handle side

**	Description	Drawing																																																
CS17 CSA17 (1)	Standard handle with microswitch in "a" and "b" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> <th colspan="2">B</th> </tr> <tr> <th colspan="2">CS17</th> <th colspan="2">CSA17</th> <th>mm</th> <th>inch</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> <td>50.5</td> <td>1.99</td> </tr> <tr> <td>DCV 50</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> <td>51.5</td> <td>2.03</td> </tr> <tr> <td>DCV 80</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> <td>53</td> <td>2.09</td> </tr> <tr> <td>DCV MG</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> <td>58</td> <td>2.28</td> </tr> </tbody> </table>		A				B		CS17		CSA17		mm	inch		mm	inch	mm	inch	mm	inch	DCV 30	55	2.17	—	—	50.5	1.99	DCV 50	62.5	2.46	67.5	2.66	51.5	2.03	DCV 80	74	2.91	79.5	3.13	53	2.09	DCV MG	90	3.54	—	—	58	2.28
	A				B																																													
	CS17		CSA17		mm	inch																																												
	mm	inch	mm	inch	mm	inch																																												
DCV 30	55	2.17	—	—	50.5	1.99																																												
DCV 50	62.5	2.46	67.5	2.66	51.5	2.03																																												
DCV 80	74	2.91	79.5	3.13	53	2.09																																												
DCV MG	90	3.54	—	—	58	2.28																																												
CS18 CSA18 (1)	Standard handle with microswitch in "a" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> <th colspan="2">B</th> </tr> <tr> <th colspan="2">CS18</th> <th colspan="2">CSA18</th> <th>mm</th> <th>inch</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> <td>50.5</td> <td>1.99</td> </tr> <tr> <td>DCV 50</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> <td>51.5</td> <td>2.03</td> </tr> <tr> <td>DCV 80</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> <td>53</td> <td>2.09</td> </tr> <tr> <td>DCV MG</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> <td>58</td> <td>2.28</td> </tr> </tbody> </table>		A				B		CS18		CSA18		mm	inch		mm	inch	mm	inch	mm	inch	DCV 30	55	2.17	—	—	50.5	1.99	DCV 50	62.5	2.46	67.5	2.66	51.5	2.03	DCV 80	74	2.91	79.5	3.13	53	2.09	DCV MG	90	3.54	—	—	58	2.28
	A				B																																													
	CS18		CSA18		mm	inch																																												
	mm	inch	mm	inch	mm	inch																																												
DCV 30	55	2.17	—	—	50.5	1.99																																												
DCV 50	62.5	2.46	67.5	2.66	51.5	2.03																																												
DCV 80	74	2.91	79.5	3.13	53	2.09																																												
DCV MG	90	3.54	—	—	58	2.28																																												
CS19 CSA19 (1)	Standard handle with microswitch in "b" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> <th colspan="2">B</th> </tr> <tr> <th colspan="2">CS19</th> <th colspan="2">CSA19</th> <th>mm</th> <th>inch</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> <td>50.5</td> <td>1.99</td> </tr> <tr> <td>DCV 50</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> <td>51.5</td> <td>2.03</td> </tr> <tr> <td>DCV 80</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> <td>53</td> <td>2.09</td> </tr> <tr> <td>DCV MG</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> <td>58</td> <td>2.28</td> </tr> </tbody> </table>		A				B		CS19		CSA19		mm	inch		mm	inch	mm	inch	mm	inch	DCV 30	55	2.17	—	—	50.5	1.99	DCV 50	62.5	2.46	67.5	2.66	51.5	2.03	DCV 80	74	2.91	79.5	3.13	53	2.09	DCV MG	90	3.54	—	—	58	2.28
	A				B																																													
	CS19		CSA19		mm	inch																																												
	mm	inch	mm	inch	mm	inch																																												
DCV 30	55	2.17	—	—	50.5	1.99																																												
DCV 50	62.5	2.46	67.5	2.66	51.5	2.03																																												
DCV 80	74	2.91	79.5	3.13	53	2.09																																												
DCV MG	90	3.54	—	—	58	2.28																																												
CS20 CSA20 (1)	Standard handle with microswitch in 4th position Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> <th colspan="2">B</th> </tr> <tr> <th colspan="2">CS20</th> <th colspan="2">CSA20</th> <th>mm</th> <th>inch</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> <td>50.5</td> <td>1.99</td> </tr> <tr> <td>DCV 50</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> <td>51.5</td> <td>2.03</td> </tr> <tr> <td>DCV 80</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> <td>53</td> <td>2.09</td> </tr> <tr> <td>DCV MG</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> <td>58</td> <td>2.28</td> </tr> </tbody> </table>		A				B		CS20		CSA20		mm	inch		mm	inch	mm	inch	mm	inch	DCV 30	55	2.17	—	—	50.5	1.99	DCV 50	62.5	2.46	67.5	2.66	51.5	2.03	DCV 80	74	2.91	79.5	3.13	53	2.09	DCV MG	90	3.54	—	—	58	2.28
	A				B																																													
	CS20		CSA20		mm	inch																																												
	mm	inch	mm	inch	mm	inch																																												
DCV 30	55	2.17	—	—	50.5	1.99																																												
DCV 50	62.5	2.46	67.5	2.66	51.5	2.03																																												
DCV 80	74	2.91	79.5	3.13	53	2.09																																												
DCV MG	90	3.54	—	—	58	2.28																																												
CS21 CSA21 (1)	Handle 180° with microswitch in "a" and "b" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> <th colspan="2">B</th> </tr> <tr> <th colspan="2">CS21</th> <th colspan="2">CSA21</th> <th>mm</th> <th>inch</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> <td>50.5</td> <td>1.99</td> </tr> <tr> <td>DCV 50</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> <td>51.5</td> <td>2.03</td> </tr> <tr> <td>DCV 80</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> <td>53</td> <td>2.09</td> </tr> <tr> <td>DCV MG</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> <td>58</td> <td>2.28</td> </tr> </tbody> </table>		A				B		CS21		CSA21		mm	inch		mm	inch	mm	inch	mm	inch	DCV 30	55	2.17	—	—	50.5	1.99	DCV 50	62.5	2.46	67.5	2.66	51.5	2.03	DCV 80	74	2.91	79.5	3.13	53	2.09	DCV MG	90	3.54	—	—	58	2.28
	A				B																																													
	CS21		CSA21		mm	inch																																												
	mm	inch	mm	inch	mm	inch																																												
DCV 30	55	2.17	—	—	50.5	1.99																																												
DCV 50	62.5	2.46	67.5	2.66	51.5	2.03																																												
DCV 80	74	2.91	79.5	3.13	53	2.09																																												
DCV MG	90	3.54	—	—	58	2.28																																												
CS22 CSA22 (1)	Handle 180° with microswitch in "a" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> <th colspan="2">B</th> </tr> <tr> <th colspan="2">CS22</th> <th colspan="2">CSA22</th> <th>mm</th> <th>inch</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> <td>50.5</td> <td>1.99</td> </tr> <tr> <td>DCV 50</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> <td>51.5</td> <td>2.03</td> </tr> <tr> <td>DCV 80</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> <td>53</td> <td>2.09</td> </tr> <tr> <td>DCV MG</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> <td>58</td> <td>2.28</td> </tr> </tbody> </table>		A				B		CS22		CSA22		mm	inch		mm	inch	mm	inch	mm	inch	DCV 30	55	2.17	—	—	50.5	1.99	DCV 50	62.5	2.46	67.5	2.66	51.5	2.03	DCV 80	74	2.91	79.5	3.13	53	2.09	DCV MG	90	3.54	—	—	58	2.28
	A				B																																													
	CS22		CSA22		mm	inch																																												
	mm	inch	mm	inch	mm	inch																																												
DCV 30	55	2.17	—	—	50.5	1.99																																												
DCV 50	62.5	2.46	67.5	2.66	51.5	2.03																																												
DCV 80	74	2.91	79.5	3.13	53	2.09																																												
DCV MG	90	3.54	—	—	58	2.28																																												

(1) CSA. = Aluminium version (only DCV50 - DCV80)

MODULAR

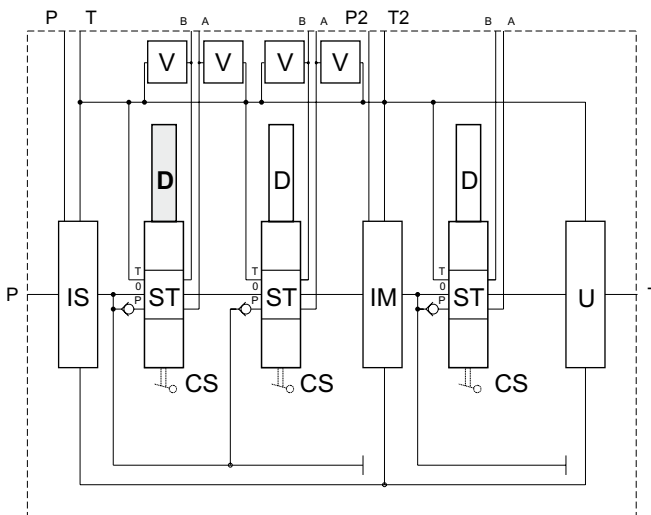
CS** Spool control handle side

**	Description	Drawing																																																
CS23 CSA23 <i>(1)</i>	Handle 180° with microswitch in "b" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	<p>Cable length: 50 cm</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> <th colspan="2">B</th> </tr> <tr> <th colspan="2">CS23</th> <th colspan="2">CSA23</th> <th>mm</th> <th>inch</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> <td>50.5</td> <td>1.99</td> </tr> <tr> <td>DCV 50</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> <td>51.5</td> <td>2.03</td> </tr> <tr> <td>DCV 80</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> <td>53</td> <td>2.09</td> </tr> <tr> <td>DCV MG</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> <td>58</td> <td>2.28</td> </tr> </tbody> </table>		A				B		CS23		CSA23		mm	inch		mm	inch	mm	inch	mm	inch	DCV 30	55	2.17	—	—	50.5	1.99	DCV 50	62.5	2.46	67.5	2.66	51.5	2.03	DCV 80	74	2.91	79.5	3.13	53	2.09	DCV MG	90	3.54	—	—	58	2.28
	A				B																																													
	CS23		CSA23		mm	inch																																												
	mm	inch	mm	inch	mm	inch																																												
DCV 30	55	2.17	—	—	50.5	1.99																																												
DCV 50	62.5	2.46	67.5	2.66	51.5	2.03																																												
DCV 80	74	2.91	79.5	3.13	53	2.09																																												
DCV MG	90	3.54	—	—	58	2.28																																												
CS24 CSA24 <i>(1)</i>	Handle 180° with microswitch in 4th position Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	<p>Cable length: 50 cm</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> <th colspan="2">B</th> </tr> <tr> <th colspan="2">CS24</th> <th colspan="2">CSA24</th> <th>mm</th> <th>inch</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>55</td> <td>2.17</td> <td>—</td> <td>—</td> <td>50.5</td> <td>1.99</td> </tr> <tr> <td>DCV 50</td> <td>62.5</td> <td>2.46</td> <td>67.5</td> <td>2.66</td> <td>51.5</td> <td>2.03</td> </tr> <tr> <td>DCV 80</td> <td>74</td> <td>2.91</td> <td>79.5</td> <td>3.13</td> <td>53</td> <td>2.09</td> </tr> <tr> <td>DCV MG</td> <td>90</td> <td>3.54</td> <td>—</td> <td>—</td> <td>58</td> <td>2.28</td> </tr> </tbody> </table>		A				B		CS24		CSA24		mm	inch		mm	inch	mm	inch	mm	inch	DCV 30	55	2.17	—	—	50.5	1.99	DCV 50	62.5	2.46	67.5	2.66	51.5	2.03	DCV 80	74	2.91	79.5	3.13	53	2.09	DCV MG	90	3.54	—	—	58	2.28
	A				B																																													
	CS24		CSA24		mm	inch																																												
	mm	inch	mm	inch	mm	inch																																												
DCV 30	55	2.17	—	—	50.5	1.99																																												
DCV 50	62.5	2.46	67.5	2.66	51.5	2.03																																												
DCV 80	74	2.91	79.5	3.13	53	2.09																																												
DCV MG	90	3.54	—	—	58	2.28																																												

(1) **CSA**. = Aluminium version (only DCV50 - DCV80)

Spool control cap side

DCV ** / * I* *** (***) * F* ST** CS** **D**** VA*(**) VB*(**) AP* F* W* Xn IM* F* .. U* F*



D** Spool control cap side

**	Description	Drawing																																			
D1 DA1 (1)	3 positions, spring centred spool 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D1</th> <th colspan="2">DA1</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>36.5</td> <td>1.03</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>41.5</td> <td>1.63</td> <td>42</td> <td>1.65</td> </tr> <tr> <td>DCV 80</td> <td>58</td> <td>2.28</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>65</td> <td>2.56</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D1		DA1			mm	inch	mm	inch	DCV 30	36.5	1.03	—	—	DCV 50	41.5	1.63	42	1.65	DCV 80	58	2.28	—	—	DCV MG	65	2.56	—	—
	A																																				
	D1		DA1																																		
	mm	inch	mm	inch																																	
DCV 30	36.5	1.03	—	—																																	
DCV 50	41.5	1.63	42	1.65																																	
DCV 80	58	2.28	—	—																																	
DCV MG	65	2.56	—	—																																	
D2 DA2 (1)	3 positions, spring centred spool, detent in "a" and "b" 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D2</th> <th colspan="2">DA2</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>63.5</td> <td>2.5</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>72.5</td> <td>2.85</td> <td>72.5</td> <td>2.85</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D2		DA2			mm	inch	mm	inch	DCV 30	63.5	2.5	—	—	DCV 50	72.5	2.85	72.5	2.85	DCV 80	91	3.58	—	—	DCV MG	110	4.33	—	—
	A																																				
	D2		DA2																																		
	mm	inch	mm	inch																																	
DCV 30	63.5	2.5	—	—																																	
DCV 50	72.5	2.85	72.5	2.85																																	
DCV 80	91	3.58	—	—																																	
DCV MG	110	4.33	—	—																																	
D3 DA3 (1)	3 positions, spring centred spool, detent in "a" 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D3</th> <th colspan="2">DA3</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>63.5</td> <td>2.5</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>72.5</td> <td>2.85</td> <td>72.5</td> <td>2.85</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D3		DA3			mm	inch	mm	inch	DCV 30	63.5	2.5	—	—	DCV 50	72.5	2.85	72.5	2.85	DCV 80	91	3.58	—	—	DCV MG	110	4.33	—	—
	A																																				
	D3		DA3																																		
	mm	inch	mm	inch																																	
DCV 30	63.5	2.5	—	—																																	
DCV 50	72.5	2.85	72.5	2.85																																	
DCV 80	91	3.58	—	—																																	
DCV MG	110	4.33	—	—																																	
D4 DA4 (1)	3 positions, spring centred spool, detent in "b" 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D4</th> <th colspan="2">DA4</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>63.5</td> <td>2.5</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>72.5</td> <td>2.85</td> <td>72.5</td> <td>2.85</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D4		DA4			mm	inch	mm	inch	DCV 30	63.5	2.5	—	—	DCV 50	72.5	2.85	72.5	2.85	DCV 80	91	3.58	—	—	DCV MG	110	4.33	—	—
	A																																				
	D4		DA4																																		
	mm	inch	mm	inch																																	
DCV 30	63.5	2.5	—	—																																	
DCV 50	72.5	2.85	72.5	2.85																																	
DCV 80	91	3.58	—	—																																	
DCV MG	110	4.33	—	—																																	
D5 DA5 (1)	4 positions, spring centred spool, detent in 4th position 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D5</th> <th colspan="2">DA2</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>63.5</td> <td>2.5</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>72.5</td> <td>2.85</td> <td>72.5</td> <td>2.85</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D5		DA2			mm	inch	mm	inch	DCV 30	63.5	2.5	—	—	DCV 50	72.5	2.85	72.5	2.85	DCV 80	91	3.58	—	—	DCV MG	110	4.33	—	—
	A																																				
	D5		DA2																																		
	mm	inch	mm	inch																																	
DCV 30	63.5	2.5	—	—																																	
DCV 50	72.5	2.85	72.5	2.85																																	
DCV 80	91	3.58	—	—																																	
DCV MG	110	4.33	—	—																																	

(1) **DA.** = Aluminium version (only DCV50 - DCV80)

D** Spool control cap side

**	Description	Drawing																																			
D6 DA6 (1)	4 positions, spring centred spool, sensitive 4th position, without detent 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D6</th> <th colspan="2">DA6</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>63.5</td> <td>2.5</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>72.5</td> <td>2.85</td> <td>72.5</td> <td>2.85</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D6		DA6			mm	inch	mm	inch	DCV 30	63.5	2.5	—	—	DCV 50	72.5	2.85	72.5	2.85	DCV 80	91	3.58	—	—	DCV MG	110	4.33	—	—
	A																																				
	D6		DA6																																		
	mm	inch	mm	inch																																	
DCV 30	63.5	2.5	—	—																																	
DCV 50	72.5	2.85	72.5	2.85																																	
DCV 80	91	3.58	—	—																																	
DCV MG	110	4.33	—	—																																	
D7 DA7 (1)	3 positions, spring centred spool, detent in "a" - "0" - "b" 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D7</th> <th colspan="2">DA7</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>36.5</td> <td>1.03</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>41.5</td> <td>1.63</td> <td>42</td> <td>1.65</td> </tr> <tr> <td>DCV 80</td> <td>58</td> <td>2.28</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>65</td> <td>2.56</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D7		DA7			mm	inch	mm	inch	DCV 30	36.5	1.03	—	—	DCV 50	41.5	1.63	42	1.65	DCV 80	58	2.28	—	—	DCV MG	65	2.56	—	—
	A																																				
	D7		DA7																																		
	mm	inch	mm	inch																																	
DCV 30	36.5	1.03	—	—																																	
DCV 50	41.5	1.63	42	1.65																																	
DCV 80	58	2.28	—	—																																	
DCV MG	65	2.56	—	—																																	
D8 DA8 (1)	2 positions ("0" - "b"), spring centred spool 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D8</th> <th colspan="2">DA8</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>36.5</td> <td>1.03</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>41.5</td> <td>1.63</td> <td>42</td> <td>1.65</td> </tr> <tr> <td>DCV 80</td> <td>58</td> <td>2.28</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>65</td> <td>2.56</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D8		DA8			mm	inch	mm	inch	DCV 30	36.5	1.03	—	—	DCV 50	41.5	1.63	42	1.65	DCV 80	58	2.28	—	—	DCV MG	65	2.56	—	—
	A																																				
	D8		DA8																																		
	mm	inch	mm	inch																																	
DCV 30	36.5	1.03	—	—																																	
DCV 50	41.5	1.63	42	1.65																																	
DCV 80	58	2.28	—	—																																	
DCV MG	65	2.56	—	—																																	
D9 DA9 (1)	2 positions ("0" - "a"), spring centred spool 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D9</th> <th colspan="2">DA9</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>36.5</td> <td>1.03</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>41.5</td> <td>1.63</td> <td>42</td> <td>1.65</td> </tr> <tr> <td>DCV 80</td> <td>58</td> <td>2.28</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>65</td> <td>2.56</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D9		DA9			mm	inch	mm	inch	DCV 30	36.5	1.03	—	—	DCV 50	41.5	1.63	42	1.65	DCV 80	58	2.28	—	—	DCV MG	65	2.56	—	—
	A																																				
	D9		DA9																																		
	mm	inch	mm	inch																																	
DCV 30	36.5	1.03	—	—																																	
DCV 50	41.5	1.63	42	1.65																																	
DCV 80	58	2.28	—	—																																	
DCV MG	65	2.56	—	—																																	
D10 DA10 (1)	2 positions ("0" - "b"), spring centred spool, detent in "b" 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D10</th> <th colspan="2">DA10</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>63.5</td> <td>2.5</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>72.5</td> <td>2.85</td> <td>72.5</td> <td>2.85</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D10		DA10			mm	inch	mm	inch	DCV 30	63.5	2.5	—	—	DCV 50	72.5	2.85	72.5	2.85	DCV 80	91	3.58	—	—	DCV MG	110	4.33	—	—
	A																																				
	D10		DA10																																		
	mm	inch	mm	inch																																	
DCV 30	63.5	2.5	—	—																																	
DCV 50	72.5	2.85	72.5	2.85																																	
DCV 80	91	3.58	—	—																																	
DCV MG	110	4.33	—	—																																	
D11 DA11 (1)	2 positions ("0" - "a"), spring centred spool, detent in "a" 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D11</th> <th colspan="2">DA11</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>63.5</td> <td>2.5</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>72.5</td> <td>2.85</td> <td>72.5</td> <td>2.85</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D11		DA11			mm	inch	mm	inch	DCV 30	63.5	2.5	—	—	DCV 50	72.5	2.85	72.5	2.85	DCV 80	91	3.58	—	—	DCV MG	110	4.33	—	—
	A																																				
	D11		DA11																																		
	mm	inch	mm	inch																																	
DCV 30	63.5	2.5	—	—																																	
DCV 50	72.5	2.85	72.5	2.85																																	
DCV 80	91	3.58	—	—																																	
DCV MG	110	4.33	—	—																																	
D12 DA12 (1)	3 positions free (without spring) 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">A</th> </tr> <tr> <th colspan="2">D12</th> <th colspan="2">DA12</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>36.5</td> <td>1.03</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV 50</td> <td>41.5</td> <td>1.63</td> <td>42</td> <td>1.65</td> </tr> <tr> <td>DCV 80</td> <td>58</td> <td>2.28</td> <td>—</td> <td>—</td> </tr> <tr> <td>DCV MG</td> <td>65</td> <td>2.56</td> <td>—</td> <td>—</td> </tr> </tbody> </table>		A				D12		DA12			mm	inch	mm	inch	DCV 30	36.5	1.03	—	—	DCV 50	41.5	1.63	42	1.65	DCV 80	58	2.28	—	—	DCV MG	65	2.56	—	—
	A																																				
	D12		DA12																																		
	mm	inch	mm	inch																																	
DCV 30	36.5	1.03	—	—																																	
DCV 50	41.5	1.63	42	1.65																																	
DCV 80	58	2.28	—	—																																	
DCV MG	65	2.56	—	—																																	
D13 DA13 (1)	Prearranged for double control 		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> <th rowspan="2">B</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>58</td> <td>2.28</td> <td>M6</td> </tr> <tr> <td>DCV 50</td> <td>71</td> <td>2.80</td> <td>M8</td> </tr> <tr> <td>DCV 80</td> <td>99</td> <td>3.90</td> <td>M8</td> </tr> <tr> <td>DCV MG</td> <td>103.5</td> <td>4.07</td> <td>M8</td> </tr> </tbody> </table>		A		B	mm	inch	DCV 30	58	2.28	M6	DCV 50	71	2.80	M8	DCV 80	99	3.90	M8	DCV MG	103.5	4.07	M8												
	A		B																																		
	mm	inch																																			
DCV 30	58	2.28	M6																																		
DCV 50	71	2.80	M8																																		
DCV 80	99	3.90	M8																																		
DCV MG	103.5	4.07	M8																																		

(1) DA. = Aluminium version (only DCV50 - DCV80)

MODULAR

D** Spool control cap side

**	Description	Drawing																															
D14	ON-OFF pneumatic control - Pilot pressure 5-10 bar 72.5-145 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>111</td> <td>4.37</td> <td>1/8" BSP</td> <td></td> </tr> <tr> <td>DCV 50</td> <td>119.5</td> <td>4.70</td> <td>1/8" BSP</td> <td></td> </tr> <tr> <td>DCV 80</td> <td>143</td> <td>5.63</td> <td>1/8" BSP</td> <td></td> </tr> <tr> <td>DCV MG</td> <td>148</td> <td>5.83</td> <td>1/8" BSP</td> <td></td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	111	4.37	1/8" BSP		DCV 50	119.5	4.70	1/8" BSP		DCV 80	143	5.63	1/8" BSP		DCV MG	148	5.83	1/8" BSP	
				A		B																											
	mm	inch	mm	inch																													
DCV 30	111	4.37	1/8" BSP																														
DCV 50	119.5	4.70	1/8" BSP																														
DCV 80	143	5.63	1/8" BSP																														
DCV MG	148	5.83	1/8" BSP																														
D15 (1)	Electrohydraulic ON-OFF control. Voltage 12Vdc with pressure reducing valve - Pilot pressure 20 bar 290 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>105.5</td> <td>4.15</td> <td>122</td> <td>4.80</td> </tr> <tr> <td>DCV 50</td> <td>110.5</td> <td>4.35</td> <td>124</td> <td>4.88</td> </tr> <tr> <td>DCV 80</td> <td>127</td> <td>5.00</td> <td>127.5</td> <td>5.02</td> </tr> <tr> <td>DCV MG</td> <td>131</td> <td>5.16</td> <td>134.5</td> <td>5.30</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	105.5	4.15	122	4.80	DCV 50	110.5	4.35	124	4.88	DCV 80	127	5.00	127.5	5.02	DCV MG	131	5.16	134.5	5.30
				A		B																											
	mm	inch	mm	inch																													
DCV 30	105.5	4.15	122	4.80																													
DCV 50	110.5	4.35	124	4.88																													
DCV 80	127	5.00	127.5	5.02																													
DCV MG	131	5.16	134.5	5.30																													
D16 (1)	Electrohydraulic ON-OFF control. Voltage 12Vdc without pressure reducing valve - Pilot pressure 20 bar 290 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>105.5</td> <td>4.15</td> <td>122</td> <td>4.80</td> </tr> <tr> <td>DCV 50</td> <td>110.5</td> <td>4.35</td> <td>124</td> <td>4.88</td> </tr> <tr> <td>DCV 80</td> <td>127</td> <td>5.00</td> <td>127.5</td> <td>5.02</td> </tr> <tr> <td>DCV MG</td> <td>131</td> <td>5.16</td> <td>134.5</td> <td>5.30</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	105.5	4.15	122	4.80	DCV 50	110.5	4.35	124	4.88	DCV 80	127	5.00	127.5	5.02	DCV MG	131	5.16	134.5	5.30
				A		B																											
	mm	inch	mm	inch																													
DCV 30	105.5	4.15	122	4.80																													
DCV 50	110.5	4.35	124	4.88																													
DCV 80	127	5.00	127.5	5.02																													
DCV MG	131	5.16	134.5	5.30																													
D17 (1)	Electrohydraulic ON-OFF control. Voltage 24Vdc with pressure reducing valve - Pilot pressure 20 bar 290 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>105.5</td> <td>4.15</td> <td>122</td> <td>4.80</td> </tr> <tr> <td>DCV 50</td> <td>110.5</td> <td>4.35</td> <td>124</td> <td>4.88</td> </tr> <tr> <td>DCV 80</td> <td>127</td> <td>5.00</td> <td>127.5</td> <td>5.02</td> </tr> <tr> <td>DCV MG</td> <td>131</td> <td>5.16</td> <td>134.5</td> <td>5.30</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	105.5	4.15	122	4.80	DCV 50	110.5	4.35	124	4.88	DCV 80	127	5.00	127.5	5.02	DCV MG	131	5.16	134.5	5.30
				A		B																											
	mm	inch	mm	inch																													
DCV 30	105.5	4.15	122	4.80																													
DCV 50	110.5	4.35	124	4.88																													
DCV 80	127	5.00	127.5	5.02																													
DCV MG	131	5.16	134.5	5.30																													
D18 (1)	Electrohydraulic ON-OFF control. Voltage 24Vdc without pressure reducing valve - Pilot pressure 20 bar 290 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>105.5</td> <td>4.15</td> <td>122</td> <td>4.80</td> </tr> <tr> <td>DCV 50</td> <td>110.5</td> <td>4.35</td> <td>124</td> <td>4.88</td> </tr> <tr> <td>DCV 80</td> <td>127</td> <td>5.00</td> <td>127.5</td> <td>5.02</td> </tr> <tr> <td>DCV MG</td> <td>131</td> <td>5.16</td> <td>134.5</td> <td>5.30</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	105.5	4.15	122	4.80	DCV 50	110.5	4.35	124	4.88	DCV 80	127	5.00	127.5	5.02	DCV MG	131	5.16	134.5	5.30
				A		B																											
	mm	inch	mm	inch																													
DCV 30	105.5	4.15	122	4.80																													
DCV 50	110.5	4.35	124	4.88																													
DCV 80	127	5.00	127.5	5.02																													
DCV MG	131	5.16	134.5	5.30																													

(1) Valid only for the first section

D** Spool control cap side

**	Description	Drawing																															
D19 (3)	Electrohydraulic ON-OFF control. Voltage 12Vdc - Pilot pressure 20 bar 290 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>105.5</td> <td>4.15</td> <td>122</td> <td>4.80</td> </tr> <tr> <td>DCV 50</td> <td>110.5</td> <td>4.35</td> <td>124</td> <td>4.88</td> </tr> <tr> <td>DCV 80</td> <td>127</td> <td>5.00</td> <td>127.5</td> <td>5.02</td> </tr> <tr> <td>DCV MG</td> <td>131</td> <td>5.16</td> <td>134.5</td> <td>5.30</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	105.5	4.15	122	4.80	DCV 50	110.5	4.35	124	4.88	DCV 80	127	5.00	127.5	5.02	DCV MG	131	5.16	134.5	5.30
				A		B																											
				mm	inch	mm	inch																										
DCV 30	105.5	4.15	122	4.80																													
DCV 50	110.5	4.35	124	4.88																													
DCV 80	127	5.00	127.5	5.02																													
DCV MG	131	5.16	134.5	5.30																													
<table border="1"> <tr> <td>Connector</td> <td>wires 30 cm</td> </tr> <tr> <td>Protection degree</td> <td>IP65</td> </tr> <tr> <td>Ambient temperature</td> <td>-30 +60 °C</td> </tr> <tr> <td>Power</td> <td>7 W</td> </tr> <tr> <td>Resistance at 20 °C</td> <td>14 ohm</td> </tr> </table>	Connector	wires 30 cm	Protection degree	IP65	Ambient temperature	-30 +60 °C	Power	7 W	Resistance at 20 °C	14 ohm																							
Connector	wires 30 cm																																
Protection degree	IP65																																
Ambient temperature	-30 +60 °C																																
Power	7 W																																
Resistance at 20 °C	14 ohm																																
D20 (3)	Electrohydraulic ON-OFF control. Voltage 24Vdc - Pilot pressure 20 bar 290 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>105.5</td> <td>4.15</td> <td>122</td> <td>4.80</td> </tr> <tr> <td>DCV 50</td> <td>110.5</td> <td>4.35</td> <td>124</td> <td>4.88</td> </tr> <tr> <td>DCV 80</td> <td>127</td> <td>5.00</td> <td>127.5</td> <td>5.02</td> </tr> <tr> <td>DCV MG</td> <td>131</td> <td>5.16</td> <td>134.5</td> <td>5.30</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	105.5	4.15	122	4.80	DCV 50	110.5	4.35	124	4.88	DCV 80	127	5.00	127.5	5.02	DCV MG	131	5.16	134.5	5.30
				A		B																											
				mm	inch	mm	inch																										
DCV 30	105.5	4.15	122	4.80																													
DCV 50	110.5	4.35	124	4.88																													
DCV 80	127	5.00	127.5	5.02																													
DCV MG	131	5.16	134.5	5.30																													
<table border="1"> <tr> <td>Connector</td> <td>wires 30 cm</td> </tr> <tr> <td>Protection degree</td> <td>IP65</td> </tr> <tr> <td>Ambient temperature</td> <td>-30 +60 °C</td> </tr> <tr> <td>Power</td> <td>7 W</td> </tr> <tr> <td>Resistance at 20 °C</td> <td>30 ohm</td> </tr> </table>	Connector	wires 30 cm	Protection degree	IP65	Ambient temperature	-30 +60 °C	Power	7 W	Resistance at 20 °C	30 ohm																							
Connector	wires 30 cm																																
Protection degree	IP65																																
Ambient temperature	-30 +60 °C																																
Power	7 W																																
Resistance at 20 °C	30 ohm																																
D21	ON-OFF electro pneumatic control. Voltage 12Vdc - Pilot pressure 5-10 bar 72.5-145 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>111</td> <td>4.37</td> <td>119</td> <td>4.69</td> </tr> <tr> <td>DCV 50</td> <td>119.5</td> <td>4.70</td> <td>121</td> <td>4.76</td> </tr> <tr> <td>DCV 80</td> <td>143</td> <td>5.63</td> <td>132</td> <td>5.20</td> </tr> <tr> <td>DCV MG</td> <td>148</td> <td>5.83</td> <td>139</td> <td>5.47</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	111	4.37	119	4.69	DCV 50	119.5	4.70	121	4.76	DCV 80	143	5.63	132	5.20	DCV MG	148	5.83	139	5.47
				A		B																											
				mm	inch	mm	inch																										
DCV 30	111	4.37	119	4.69																													
DCV 50	119.5	4.70	121	4.76																													
DCV 80	143	5.63	132	5.20																													
DCV MG	148	5.83	139	5.47																													
<table border="1"> <tr> <td>Connector</td> <td>DIN 43650-B ISO6952</td> </tr> <tr> <td>Protection degree</td> <td>IP65</td> </tr> <tr> <td>Ambient temperature</td> <td>-20 +40 °C</td> </tr> <tr> <td>Power</td> <td>6 W</td> </tr> </table>	Connector	DIN 43650-B ISO6952	Protection degree	IP65	Ambient temperature	-20 +40 °C	Power	6 W																									
Connector	DIN 43650-B ISO6952																																
Protection degree	IP65																																
Ambient temperature	-20 +40 °C																																
Power	6 W																																
D22	ON-OFF electro pneumatic control. Voltage 24Vdc - Pilot pressure 5-10 bar 72.5-145 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>111</td> <td>4.37</td> <td>119</td> <td>4.69</td> </tr> <tr> <td>DCV 50</td> <td>119.5</td> <td>4.70</td> <td>121</td> <td>4.76</td> </tr> <tr> <td>DCV 80</td> <td>143</td> <td>5.63</td> <td>132</td> <td>5.20</td> </tr> <tr> <td>DCV MG</td> <td>148</td> <td>5.83</td> <td>139</td> <td>5.47</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	111	4.37	119	4.69	DCV 50	119.5	4.70	121	4.76	DCV 80	143	5.63	132	5.20	DCV MG	148	5.83	139	5.47
				A		B																											
				mm	inch	mm	inch																										
DCV 30	111	4.37	119	4.69																													
DCV 50	119.5	4.70	121	4.76																													
DCV 80	143	5.63	132	5.20																													
DCV MG	148	5.83	139	5.47																													
<table border="1"> <tr> <td>Connector</td> <td>DIN 43650-B ISO6952</td> </tr> <tr> <td>Protection degree</td> <td>IP65</td> </tr> <tr> <td>Ambient temperature</td> <td>-20 +40 °C</td> </tr> <tr> <td>Power</td> <td>6 W</td> </tr> </table>	Connector	DIN 43650-B ISO6952	Protection degree	IP65	Ambient temperature	-20 +40 °C	Power	6 W																									
Connector	DIN 43650-B ISO6952																																
Protection degree	IP65																																
Ambient temperature	-20 +40 °C																																
Power	6 W																																
D23	ON-OFF electro pneumatic control. Voltage 26Vdc - Pilot pressure 5-10 bar 72.5-145 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>111</td> <td>4.37</td> <td>119</td> <td>4.69</td> </tr> <tr> <td>DCV 50</td> <td>119.5</td> <td>4.70</td> <td>121</td> <td>4.76</td> </tr> <tr> <td>DCV 80</td> <td>143</td> <td>5.63</td> <td>132</td> <td>5.20</td> </tr> <tr> <td>DCV MG</td> <td>148</td> <td>5.83</td> <td>139</td> <td>5.47</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	111	4.37	119	4.69	DCV 50	119.5	4.70	121	4.76	DCV 80	143	5.63	132	5.20	DCV MG	148	5.83	139	5.47
				A		B																											
				mm	inch	mm	inch																										
DCV 30	111	4.37	119	4.69																													
DCV 50	119.5	4.70	121	4.76																													
DCV 80	143	5.63	132	5.20																													
DCV MG	148	5.83	139	5.47																													
<table border="1"> <tr> <td>Connector</td> <td>DIN 43650-B ISO6952</td> </tr> <tr> <td>Protection degree</td> <td>IP65</td> </tr> <tr> <td>Ambient temperature</td> <td>-20 +40 °C</td> </tr> <tr> <td>Power</td> <td>6 W</td> </tr> </table>	Connector	DIN 43650-B ISO6952	Protection degree	IP65	Ambient temperature	-20 +40 °C	Power	6 W																									
Connector	DIN 43650-B ISO6952																																
Protection degree	IP65																																
Ambient temperature	-20 +40 °C																																
Power	6 W																																
D24	ON-OFF electro pneumatic control. Voltage 28Vdc - Pilot pressure 5-10 bar 72.5-145 psi 		<table border="1"> <thead> <tr> <th></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th></th> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>111</td> <td>4.37</td> <td>119</td> <td>4.69</td> </tr> <tr> <td>DCV 50</td> <td>119.5</td> <td>4.70</td> <td>121</td> <td>4.76</td> </tr> <tr> <td>DCV 80</td> <td>143</td> <td>5.63</td> <td>132</td> <td>5.20</td> </tr> <tr> <td>DCV MG</td> <td>148</td> <td>5.83</td> <td>139</td> <td>5.47</td> </tr> </tbody> </table>		A		B			mm	inch	mm	inch	DCV 30	111	4.37	119	4.69	DCV 50	119.5	4.70	121	4.76	DCV 80	143	5.63	132	5.20	DCV MG	148	5.83	139	5.47
				A		B																											
				mm	inch	mm	inch																										
DCV 30	111	4.37	119	4.69																													
DCV 50	119.5	4.70	121	4.76																													
DCV 80	143	5.63	132	5.20																													
DCV MG	148	5.83	139	5.47																													
<table border="1"> <tr> <td>Connector</td> <td>DIN 43650-B ISO6952</td> </tr> <tr> <td>Protection degree</td> <td>IP65</td> </tr> <tr> <td>Ambient temperature</td> <td>-20 +40 °C</td> </tr> <tr> <td>Power</td> <td>6 W</td> </tr> </table>	Connector	DIN 43650-B ISO6952	Protection degree	IP65	Ambient temperature	-20 +40 °C	Power	6 W																									
Connector	DIN 43650-B ISO6952																																
Protection degree	IP65																																
Ambient temperature	-20 +40 °C																																
Power	6 W																																

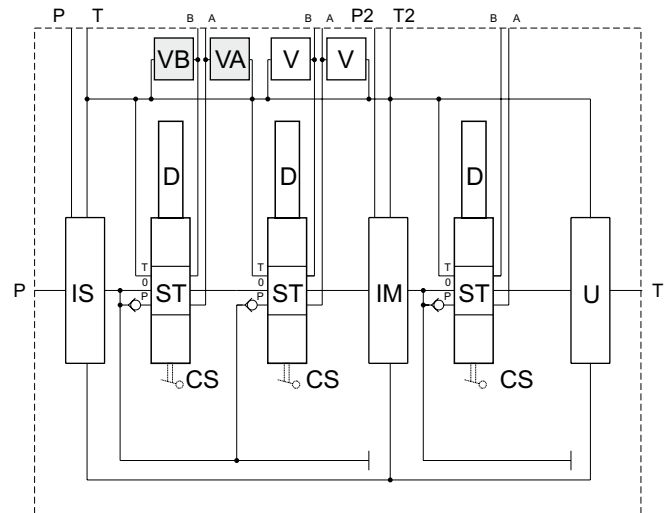
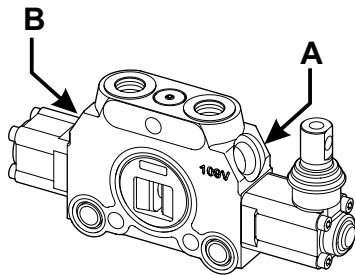
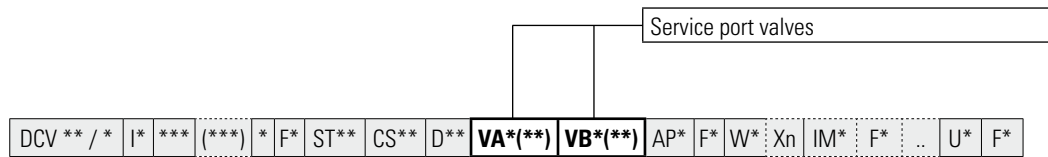
(3) Valid only for the section following the first one

D** Spool control cap side

**	Description	Drawing																													
D25 DA25 <i>(1)</i>	Micro-switch in "a" and "b" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	 Cable length: 50 cm																													
		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 50</td> <td>70</td> <td>2.76</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> </tr> </tbody> </table>		A		mm	inch	DCV 50	70	2.76	DCV 80	91	3.58	DCV MG	110	4.33															
	A																														
	mm	inch																													
DCV 50	70	2.76																													
DCV 80	91	3.58																													
DCV MG	110	4.33																													
D26 DA26 <i>(1)</i>	Micro-switch in "a" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	 Cable length: 50 cm																													
		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 50</td> <td>70</td> <td>2.76</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> </tr> </tbody> </table>		A		mm	inch	DCV 50	70	2.76	DCV 80	91	3.58	DCV MG	110	4.33															
	A																														
	mm	inch																													
DCV 50	70	2.76																													
DCV 80	91	3.58																													
DCV MG	110	4.33																													
D27 DA27 <i>(1)</i>	Micro-switch in "b" Protection degree: IP67 Nominal rating: 0.1 ÷ 10 A / 250VAC Minimum rating: 1 mA / 4 VDC Operating temperature: -20 ÷ +85°C	 Cable length: 50 cm																													
		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 50</td> <td>70</td> <td>2.76</td> </tr> <tr> <td>DCV 80</td> <td>91</td> <td>3.58</td> </tr> <tr> <td>DCV MG</td> <td>110</td> <td>4.33</td> </tr> </tbody> </table>		A		mm	inch	DCV 50	70	2.76	DCV 80	91	3.58	DCV MG	110	4.33															
	A																														
	mm	inch																													
DCV 50	70	2.76																													
DCV 80	91	3.58																													
DCV MG	110	4.33																													
D29	Detent with adjustable automatic hydraulic release in "a" and "b"	 Cable length: 50 cm																													
		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 50</td> <td>115</td> <td>4.52</td> </tr> <tr> <td>DCV 80</td> <td>135</td> <td>5.31</td> </tr> <tr> <td>DCV MG</td> <td>147</td> <td>5.78</td> </tr> </tbody> </table>		A		mm	inch	DCV 50	115	4.52	DCV 80	135	5.31	DCV MG	147	5.78															
	A																														
	mm	inch																													
DCV 50	115	4.52																													
DCV 80	135	5.31																													
DCV MG	147	5.78																													
D30 DA30 <i>(1)</i>	Spool stroke adjustment	 Cable length: 50 cm																													
		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> </tr> <tr> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>57</td> <td>2.24</td> </tr> <tr> <td>DCV 50</td> <td>62</td> <td>2.44</td> </tr> <tr> <td>DCV 80</td> <td>77</td> <td>3.03</td> </tr> <tr> <td>DCV MG</td> <td>86</td> <td>3.39</td> </tr> </tbody> </table>		A		mm	inch	DCV 30	57	2.24	DCV 50	62	2.44	DCV 80	77	3.03	DCV MG	86	3.39												
	A																														
	mm	inch																													
DCV 30	57	2.24																													
DCV 50	62	2.44																													
DCV 80	77	3.03																													
DCV MG	86	3.39																													
D40	Flexible cable control																														
		<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A</th> <th colspan="2">B</th> </tr> <tr> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>81</td> <td>3.19</td> <td>(2)</td> <td>(2)</td> </tr> <tr> <td>DCV 50</td> <td>93</td> <td>3.66</td> <td>(2)</td> <td>(2)</td> </tr> <tr> <td>DCV 80</td> <td>108</td> <td>4.25</td> <td>(2)</td> <td>(2)</td> </tr> <tr> <td>DCV MG</td> <td>134</td> <td>5.28</td> <td>(2)</td> <td>(2)</td> </tr> </tbody> </table>		A		B		mm	inch	mm	inch	DCV 30	81	3.19	(2)	(2)	DCV 50	93	3.66	(2)	(2)	DCV 80	108	4.25	(2)	(2)	DCV MG	134	5.28	(2)	(2)
	A			B																											
	mm	inch	mm	inch																											
DCV 30	81	3.19	(2)	(2)																											
DCV 50	93	3.66	(2)	(2)																											
DCV 80	108	4.25	(2)	(2)																											
DCV MG	134	5.28	(2)	(2)																											

(1) **DA.** = Aluminium version (only DCV50 - DCV80)

(2) Length cable and control, contact our commercial dept



VA* Service port valves

VA1 (1)	Overload valve in position "A"	
VA2 (2)	Anti-cavitation "A" port	
VA3 (1)	Combined valve in "A" port	
VA4 (2)	Prearranged for auxiliary valve in "A" with plug	

VB1 (1)	Overload valve in position "B"	
VB2 (2)	Anti-cavitation "B" port	
VB3 (1)	Combined valve in "B" port	
VB4 (2)	Prearranged for auxiliary valve in "B" with plug	

(1) Specificare la taratura della valvola (da 20 a 350 bar)

(2) VDV30 and DCV50, omit this field if it is not required the machining of the seat valve

Circuit

DCV ** / * | * *** (***) * F* ST** CS** D** VA**(**) VB**(**) **AP*** F* W* : Xn IM* F* .. U* F*

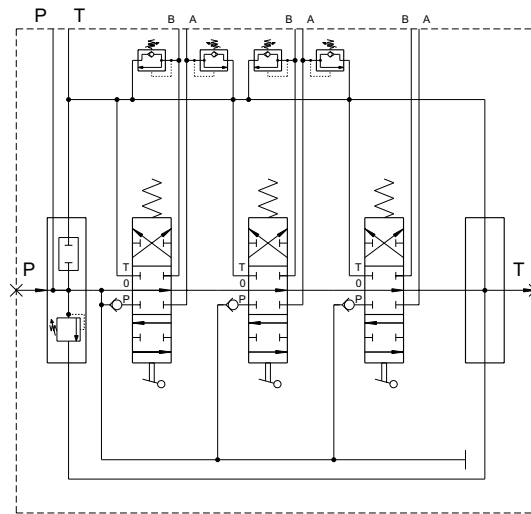
AP* *Circuit*

*	Description	Hydraulic circuit
AP1	<p>Parallel circuit (standard). All sections are fed in parallel. The section working with lower pressure has priority over the others; are possible simultaneous movements of two or more functions by reducing the oil flow on the others.</p>	
AP2	<p>Serie circuit (use with spool ST13 - ST14 - ST15 - ST16, see page 32). The oil returning from the actuator of the section SERIES can be used to feed the next working sections allowing the simultaneous handling of multiple sections. Working pressures of the individual sections are added together.</p>	
AP3 + AP32 + AP4 <i>(1)</i>	<p>Tandem circuit. It's composed of two or more working sections. The use of a first section (tandem upstream code AP3) has priority over all subsequent (if any other section upstream code AP32 or tandem downstream code AP4), preventing operation even with the spool activated.</p>	

(1) AP32 optional section.

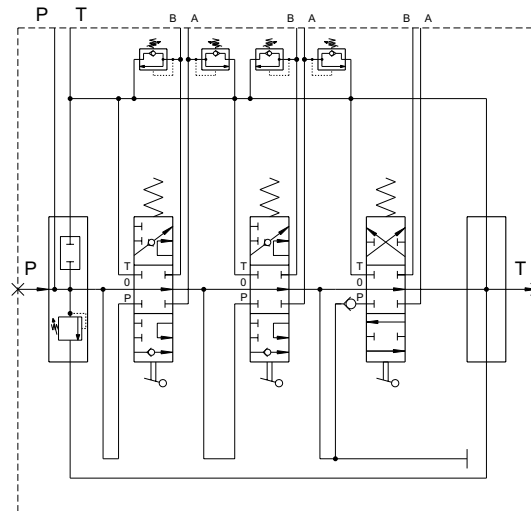
Example PARALLEL circuit

AP1 (+ AP1 + AP1)



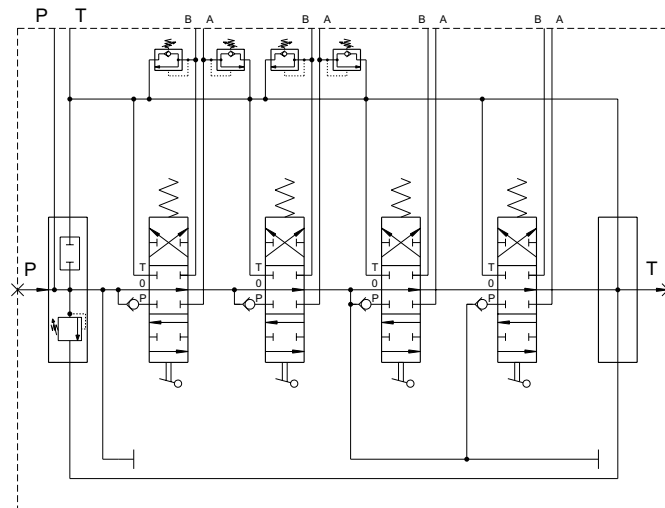
Example SERIE circuit

AP2 (+ AP2 + AP1)

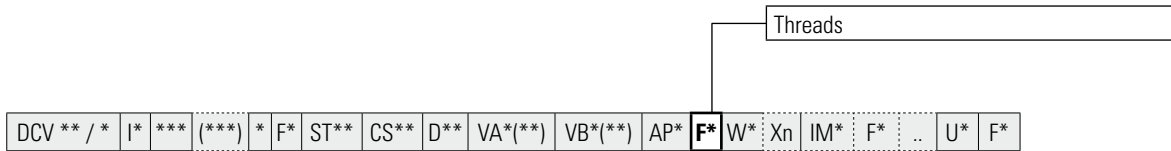


Example TANDEM circuit

AP3 + AP3* + AP4 (+ AP1)



MODULAR

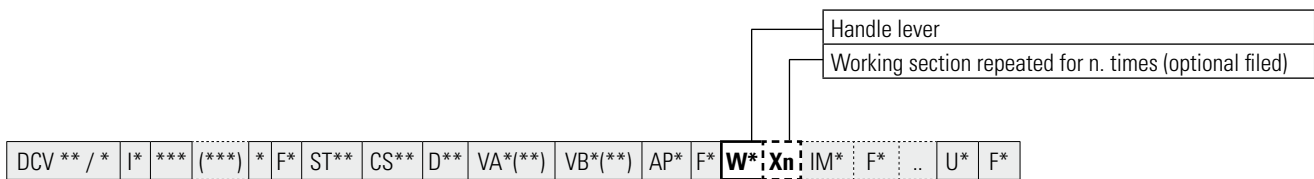


F* Threads

**	Description	DCV 30	DCV 50	DCV 80	DCV MG
F3	3/8" BSP	•			
F4	1/2" BSP		•	• (1)	
F5	3/4" BSP			•	
F6	1" BSP				•
F31	9/16" -18UNF (SAE 6)	•			
F33	7/8" -14UNF (SAE 10)		•	• (1)	
F34	1" 1/16-12UN (SAE 12)			•	
F36	1" 5/16-12UN (SAE 16)				•

(1) Threads availables on request

MODULAR



W* Handle lever

**	Description	Drawing
W1	Standard DCV 30 (For cloche control use W2)	
W2	Standard DCV 50 - DCV 80	
W3	Standard DCV MG	

Circuit

DCV ** / * I* *** (***) * F* ST** CS** D** VA**(**) VB**(**) AP* F* W* Xn **IM*** F* .. U* F*

IM* *Circuito*

*	Description	Hydraulic circuit																																																																		
IME	<p>Intermediate section with two solenoid valves (page 29)</p>	 <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>DCV30</p> </div> <div style="text-align: center;"> <p>DCV80</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>DCV50</p> </div> <div style="text-align: center;"> <p>DCVMG</p> </div> </div> <table border="1" style="width: 100%; margin-top: 20px;"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>B1</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>G min</th> <th>G max</th> <th>H</th> </tr> <tr> <th></th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>60 [2.56]</td> <td>23 [0.91]</td> <td>—</td> <td>11 [0.43]</td> <td>9 [0.35]</td> <td>14 [0.55]</td> <td>16 [0.63]</td> <td>63 [2.48]</td> <td>89.5 [3.52]</td> <td>81.5 [3.21]</td> </tr> <tr> <td>DCV 50</td> <td>72 [2.83]</td> <td>26.5 [1.04]</td> <td>—</td> <td>13 [0.51]</td> <td>9 [0.35]</td> <td>17 [0.67]</td> <td>19 [0.75]</td> <td>70 [2.76]</td> <td>95.5 [3.76]</td> <td>97 [3.82]</td> </tr> <tr> <td>DCV 80</td> <td>85 [3.35]</td> <td>22 [0.87]</td> <td>35 [1.38]</td> <td>15 [0.59]</td> <td>11 [0.43]</td> <td>19 [0.75]</td> <td>21 [0.83]</td> <td>81 [3.19]</td> <td>106.5 [4.19]</td> <td>103 [4.06]</td> </tr> <tr> <td>DCVMG</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>23 [0.91]</td> <td>25.5 [1.00]</td> <td>95 [3.74]</td> <td>116.5 [4.59]</td> <td>116 [4.57]</td> </tr> </tbody> </table>		A	B	B1	C	D	E	F	G min	G max	H		mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	DCV 30	60 [2.56]	23 [0.91]	—	11 [0.43]	9 [0.35]	14 [0.55]	16 [0.63]	63 [2.48]	89.5 [3.52]	81.5 [3.21]	DCV 50	72 [2.83]	26.5 [1.04]	—	13 [0.51]	9 [0.35]	17 [0.67]	19 [0.75]	70 [2.76]	95.5 [3.76]	97 [3.82]	DCV 80	85 [3.35]	22 [0.87]	35 [1.38]	15 [0.59]	11 [0.43]	19 [0.75]	21 [0.83]	81 [3.19]	106.5 [4.19]	103 [4.06]	DCVMG	—	—	—	—	—	23 [0.91]	25.5 [1.00]	95 [3.74]	116.5 [4.59]	116 [4.57]
	A	B	B1	C	D	E	F	G min	G max	H																																																										
	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]																																																										
DCV 30	60 [2.56]	23 [0.91]	—	11 [0.43]	9 [0.35]	14 [0.55]	16 [0.63]	63 [2.48]	89.5 [3.52]	81.5 [3.21]																																																										
DCV 50	72 [2.83]	26.5 [1.04]	—	13 [0.51]	9 [0.35]	17 [0.67]	19 [0.75]	70 [2.76]	95.5 [3.76]	97 [3.82]																																																										
DCV 80	85 [3.35]	22 [0.87]	35 [1.38]	15 [0.59]	11 [0.43]	19 [0.75]	21 [0.83]	81 [3.19]	106.5 [4.19]	103 [4.06]																																																										
DCVMG	—	—	—	—	—	23 [0.91]	25.5 [1.00]	95 [3.74]	116.5 [4.59]	116 [4.57]																																																										

MODULAR

*	Description	Hydraulic circuit																																				
IMD	Adjustable flow divider, pressure compensated with exceeding flow to tank (setting and characteristics please contact our Commercial Department)																																					
	<p>DCV30</p>	<p>DCV80</p>																																				
	<p>DCV50</p>																																					
		<table border="1"> <thead> <tr> <th></th> <th style="text-align: center;">X</th> <th style="text-align: center;">Y</th> <th style="text-align: center;">S</th> <th style="text-align: center;">H</th> <th style="text-align: center;">I</th> </tr> <tr> <th></th> <th style="text-align: center;">mm [inch]</th> <th style="text-align: center;">mm [inch]</th> <th style="text-align: center;">mm [inch]</th> <th style="text-align: center;">mm [inch]</th> <th style="text-align: center;">mm [inch]</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td style="text-align: center;">51.5 [2.03]</td> <td style="text-align: center;">63.5 [2.50]</td> <td style="text-align: center;">32 [1.26]</td> <td style="text-align: center;">82 [3.23]</td> <td style="text-align: center;">36.5 [1.44]</td> </tr> <tr> <td>DCV 50</td> <td style="text-align: center;">58 [2.28]</td> <td style="text-align: center;">60 [2.35]</td> <td style="text-align: center;">38 [1.5]</td> <td style="text-align: center;">108.5 [4.27]</td> <td style="text-align: center;">38.5 [1.52]</td> </tr> <tr> <td>DCV 80</td> <td style="text-align: center;">80 [3.15]</td> <td style="text-align: center;">91 [3.58]</td> <td style="text-align: center;">42 [1.65]</td> <td style="text-align: center;">105.5 [4.15]</td> <td style="text-align: center;">51.5 [2.03]</td> </tr> <tr> <td>DCV MG</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> </tr> </tbody> </table>		X	Y	S	H	I		mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	DCV 30	51.5 [2.03]	63.5 [2.50]	32 [1.26]	82 [3.23]	36.5 [1.44]	DCV 50	58 [2.28]	60 [2.35]	38 [1.5]	108.5 [4.27]	38.5 [1.52]	DCV 80	80 [3.15]	91 [3.58]	42 [1.65]	105.5 [4.15]	51.5 [2.03]	DCV MG	—	—	—	—	—
	X	Y	S	H	I																																	
	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]																																	
DCV 30	51.5 [2.03]	63.5 [2.50]	32 [1.26]	82 [3.23]	36.5 [1.44]																																	
DCV 50	58 [2.28]	60 [2.35]	38 [1.5]	108.5 [4.27]	38.5 [1.52]																																	
DCV 80	80 [3.15]	91 [3.58]	42 [1.65]	105.5 [4.15]	51.5 [2.03]																																	
DCV MG	—	—	—	—	—																																	

*	Description	Hydraulic circuit																																																						
IMU	Intermediate outlet section																																																							
<p style="text-align: center;">DCV30</p>		<p style="text-align: center;">DCV80</p>																																																						
<p style="text-align: center;">DCV50</p>		<p style="text-align: center;">DCVMG</p>																																																						
		<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>A</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>F1</th> <th>G</th> <th>H</th> </tr> <tr> <th></th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> <th>mm [inch]</th> </tr> </thead> <tbody> <tr> <td>DCV 30</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>32 [1.26]</td> <td>51.5 [2.03]</td> <td>80.5 [3.17]</td> </tr> <tr> <td>DCV 50</td> <td>72 [2.83]</td> <td>13.5 [0.53]</td> <td>9 [0.35]</td> <td>17 [0.67]</td> <td>—</td> <td>36.5 [1.44]</td> <td>83 [3.27]</td> <td>97 [3.82]</td> </tr> <tr> <td>DCV 80</td> <td>85 [3.35]</td> <td>16 [0.63]</td> <td>11 [0.43]</td> <td>19 [0.75]</td> <td>—</td> <td>41 [1.61]</td> <td>95 [3.74]</td> <td>87.5 [3.44]</td> </tr> <tr> <td>DCV MG</td> <td>—</td> <td>—</td> <td>—</td> <td>23 [0.91]</td> <td>25.5 [1.00]</td> <td>—</td> <td>83 [3.27]</td> <td>116 [4.57]</td> </tr> </tbody> </table>		A	C	D	E	F	F1	G	H		mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	DCV 30	—	—	—	—	—	32 [1.26]	51.5 [2.03]	80.5 [3.17]	DCV 50	72 [2.83]	13.5 [0.53]	9 [0.35]	17 [0.67]	—	36.5 [1.44]	83 [3.27]	97 [3.82]	DCV 80	85 [3.35]	16 [0.63]	11 [0.43]	19 [0.75]	—	41 [1.61]	95 [3.74]	87.5 [3.44]	DCV MG	—	—	—	23 [0.91]	25.5 [1.00]	—	83 [3.27]	116 [4.57]
	A	C	D	E	F	F1	G	H																																																
	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]	mm [inch]																																																
DCV 30	—	—	—	—	—	32 [1.26]	51.5 [2.03]	80.5 [3.17]																																																
DCV 50	72 [2.83]	13.5 [0.53]	9 [0.35]	17 [0.67]	—	36.5 [1.44]	83 [3.27]	97 [3.82]																																																
DCV 80	85 [3.35]	16 [0.63]	11 [0.43]	19 [0.75]	—	41 [1.61]	95 [3.74]	87.5 [3.44]																																																
DCV MG	—	—	—	23 [0.91]	25.5 [1.00]	—	83 [3.27]	116 [4.57]																																																

MODULAR

Threads

DCV ** / * I* *** (***) * F* ST** CS** D** VA**(**) VB**(**) AP* F* W* Xn IM* **F*** .. U* F*

F* *Threads for IME intermediate section*

**	Description	DCV 30	DCV 50	DCV 80	DCV MG
F3	3/8" BSP	•			
F4	1/2" BSP		•	• (1)	
F5	3/4" BSP			•	
F6	1" BSP				•
F31	9/16"-18UNF (SAE 6)	•			
F33	7/8"-14UNF (SAE 10)		•	•	
F36	1" 5/16-12UN (SAE 16)				•

(1) Threads availables on request

F* *Threads for IMU intermediate section*

**	Description	DCV 30	DCV 50	DCV 80	DCV MG
F3	3/8" BSP	•			
F4	1/2" BSP		•	• (1)	
F5	3/4" BSP			•	
F6	1" BSP				•
F31	9/16"-18UNF (SAE 6)	•			
F36	1" 5/16-12UN (SAE 16)				•

(1) Threads availables on request

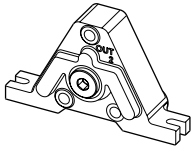
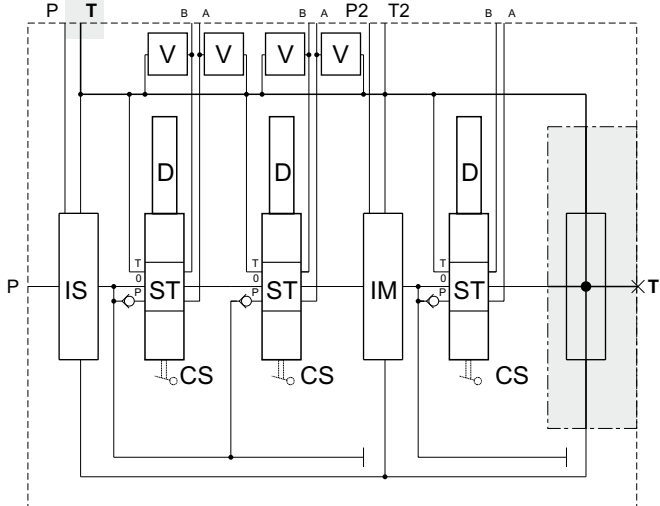
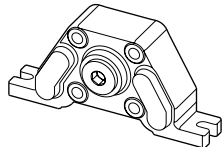
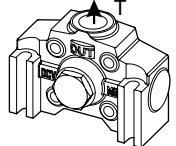
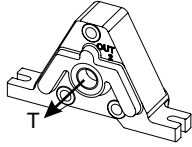
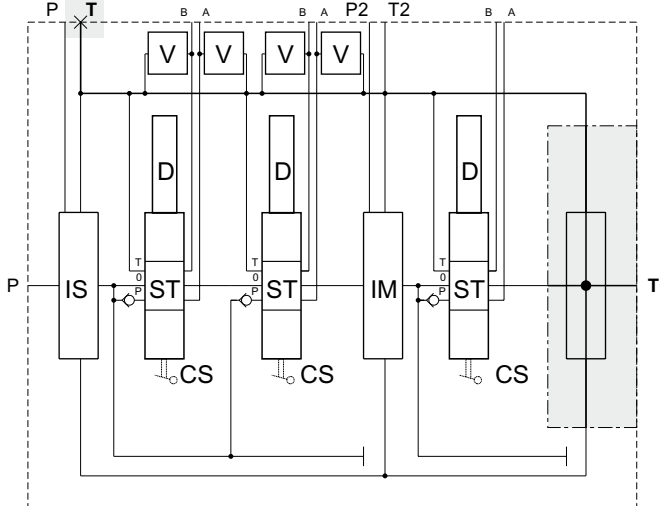
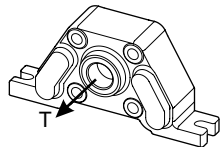
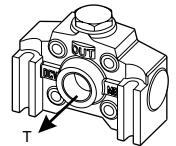
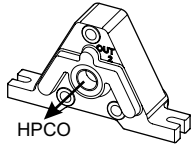
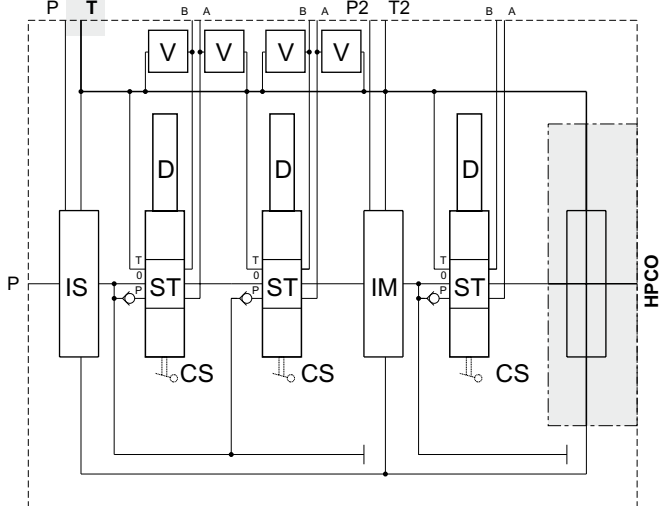
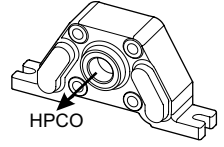
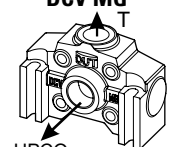
MODULAR

Outlet section

Outlet section

DCV ** / * I* *** (***) * F* ST** CS** D** VA*(**) VB*(**) AP* F* W* Xn IM* F* .. **U*** F*

U* *Circuit*

*	Description	Type	Hydraulic circuit
US	Standard outlet section	DCV 30 / DCV 50 	
		DCV 80 	
		DCV MG 	
UL	Lateral outlet section	DCV 30 / DCV 50 	
		DCV 80 	
		DCV MG 	
UL2	HPCO outlet section	DCV 30 / DCV 50 	
		DCV 80 	
		DCV MG 	

MODULAR

Threads

DCV ** / * | I* | *** (***)* | F* | ST** | CS** | D** | VA*(**) | VB*(**) | AP* | F* | W* | Xn | IM* | F* | .. | U* | **F***

F* **Threads**

**	Description	DCV 30	DCV 50	DCV 80	DCV MG
F3	3/8" BSP	•			
F4	1/2" BSP		•	• ⁽¹⁾	
F5	3/4" BSP			•	
F6	1" BSP				•
F31	9/16"-18UNF (SAE 6)	•			
F33	7/8"-14UNF (SAE 10)		•	• ⁽¹⁾	
F34	1" 1/16-12UN (SAE 12)			•	
F36	1" 5/16-12UN (SAE 16)				•

⁽¹⁾ Threads availables on request



V.P.S. BREVINI S.p.A.
Via Matteotti, 47
40064 Ozzano Emilia (Bologna) - Italy
Tel. +39 051 6511530 - Fax +39 051 6511529
sales@vpsbrevini.com
www.vpsbrevini.com

Code DOC00066 - Rev.02



Brevini Fluid Power S.p.A.
Via Moscova, 6
42124 Reggio Emilia - Italy
Tel. +39 0522 270711
Fax +39 0522 270660
www.brevinifluidpower.com
info@brevinifluidpower.com

