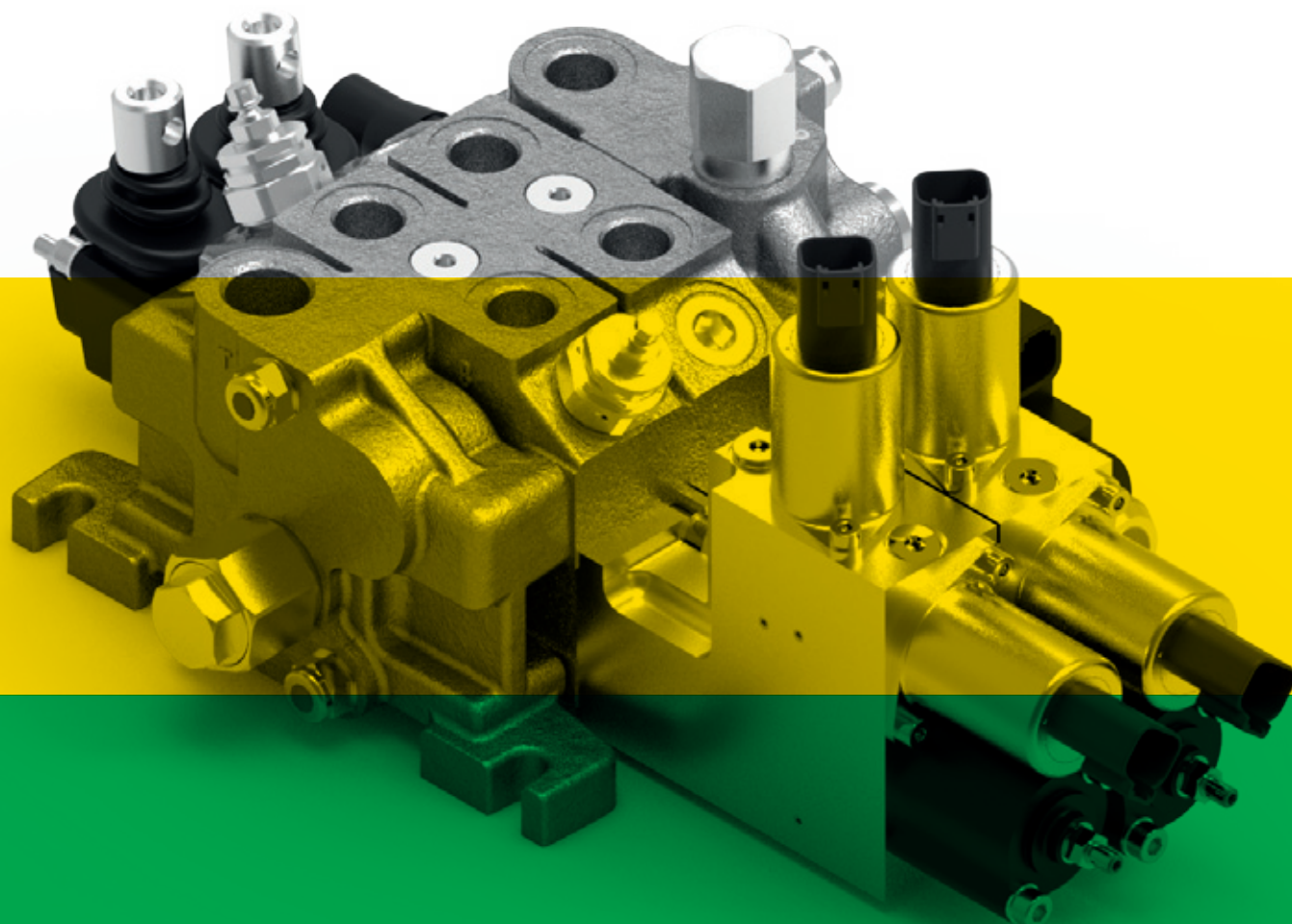


VD6 Series

Directional Control Valve

Technical Brochure

E0.254.0226.11.00IM01



VD6Z
sectional control valve
electro-hydraulic
proportional control



VD6LS
load sensing sectional
control valve



VD6ZLS
load sensing sectional control
valve and electro-hydraulic
proportional control



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001



Final revised edition - February 2026

Information and data in this catalogue are all referring to the standard product.
Salami's policy consists of a continuous product development; therefore, we reserve the rights to change product's specifications and data performances at any time and without any prior notice.

Contents

VD6Z.....	4
VD6LS	14
VD6ZLS	22



Technical Data

Nominal Flow	Qn	45 l/min - (12 gpm US)
Max Flow	Q	60 l/min - (16 gpm US)
Max Pressure	port P	350 bar - (5070 psi)
	ports A/B	350 bar - (5070 psi)
	port T	25 bar - (360 psi)
	Pilot drain port Tp	5 bar - (70 psi)
Spool Stroke (Positions 1 And 2)	± 6 mm - (0.236 in.)	
Number of sections	From 1 To 10	

Main Features

- Sectional design
- Parallel, Serie and Tandem Circuit
- Electro – hydraulic proportional spool control
- High metering spools
- Manual lever dual command
- Remote pilot pressure port
- Solenoid unloading valve
- Back pressure valve
- Power Beyond HPCO
- Stackable with VD6A standard sections

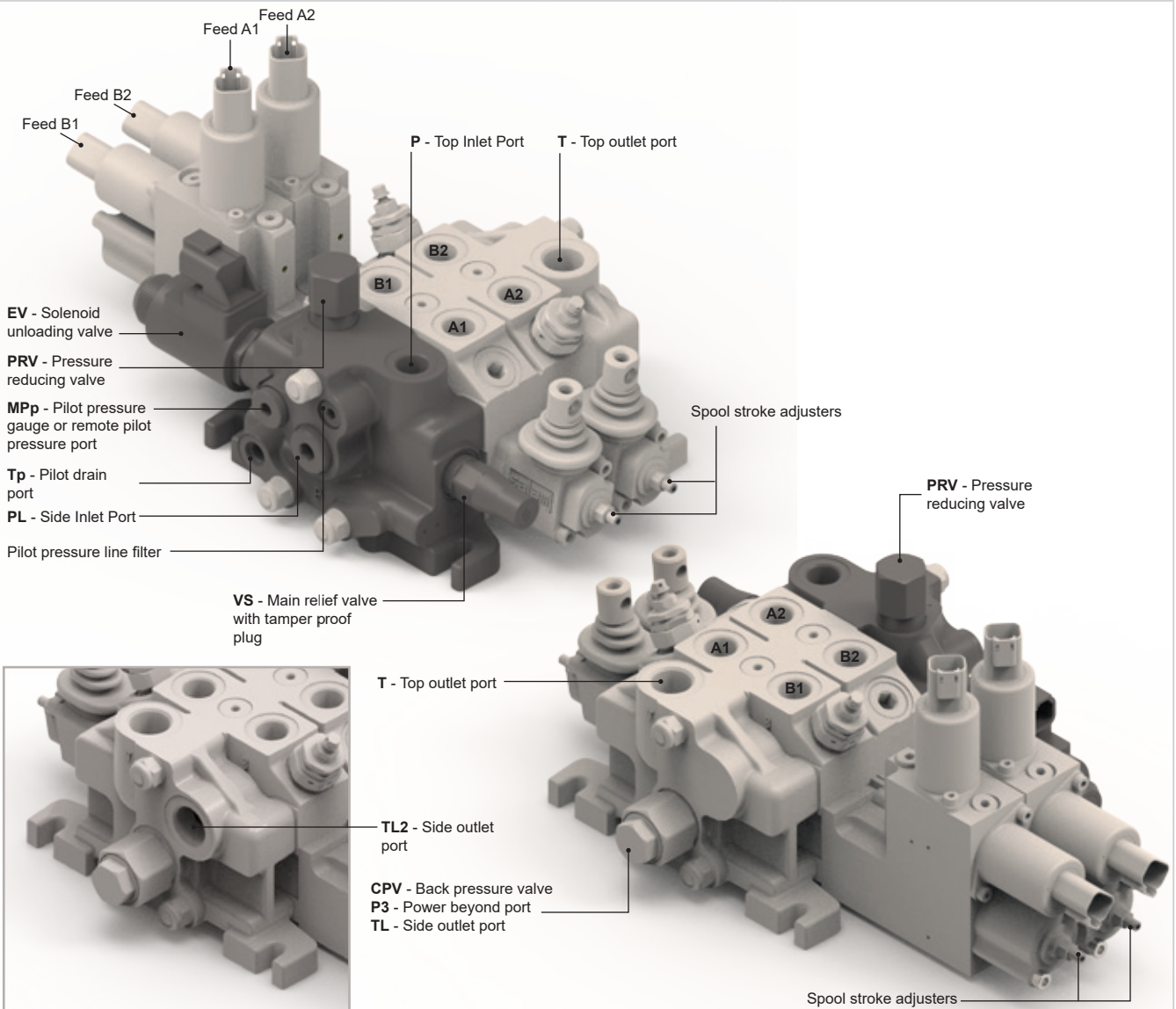
Applications

- Lifting Equipment
- Small Trucks
- Agriculture Equipment
- Radio remote mobile equipment
- Material handling



VD6Z vs VD6A

FEATURES	VD6Z	VD6A
INLET ELEMENT	Main relief valve, solenoid unloading valve, pressure reducing valve, pilot pressure remote port, pilot drain port	Main relief valve, Solenoid unloading valve
OUTLET ELEMENT	VD6A standard	Standard
WORKING SECTIONS	Crossing pilot lines	Standard w/o pilot lines
STACKABLE WITH VD6A	Sections must be stacked after the inlet element and upstream the VD6A sections	Sections must be stacked downstream VD6Z sections
ELECTRO-HYDRAULIC PROPORTIONAL AND ON-OFF CONTROL	Fully integrated, no need of external pilot lines	H1/H2 control - only ON/OFF with external pilot lines
EXTERNAL FEEDING FOR HYDRAULIC JOYSTICK	Pilot pressure remote port (MPp) used to feed hydraulic pilot joysticks	NA
METERING	High metering spools	Standard and high metering spools
BACK PRESSURE VALVE (CPV)	Standard	Standard for H1/H2 control
WITHOUT BACK PRESSURE VALVE (CPV)	In case of HPCO and/or 10 bar guaranteed in the return line in all working conditions	



EO.254.0226.11.001M01



Port Size and Thread

		P	PL	Tp	MPp	A/B	T	TL	TL2	P3
BSP (UNI ISO 1179 - THREADS UNI ISO 228/1)	G1/4			X	X					
	G3/8	X	X			X				
	G1/2						X	X	X	X
SAE UN-UNF (UNI ISO 11926 - THREADS UNI ISO 725)	SAE4 (7/16-20 UNF)			X	X					
	SAE8 (3/4-16 UNF)	X	X			X				
	SAE10 (7/8-14 UNF)						X	X	X	X

Valves

INLET ELEMENT VALVES		WORKING SECTION VALVES		OUTLET ELEMENT VALVE	
Main pressure relief valve	VS	Antishock valve	VA	Back pressure valve	CPV
Solenoid unloading valve	EV1/EV2/EV3/EV4	Antishock and Anticavitation valve	AR		
Pressure reducing valve	PRV	Anticavitation valve	VR		
		Single/double acting conversion valve	CV		

Proportional Pressure Control Valve

ELECTRICAL DATA

	KE1JA/KE1DT	KE2JA/KE2DT	ON-OFF	
VOLTAGE	12V	24V	12V	24V
MIN CURRENT	896mA	448mA	-	-
MAX CURRENT	1364mA	682mA	1400mA	700mA
RESISTANCE	4.72 Ω +/-5%	20.8 Ω +/-5%	4.72 Ω +/-5%	20.8 Ω +/-5%
PWM FREQUENCY	100HZ	100HZ	DIRECT CURRENT	DIRECT CURRENT
SUPER IMPOSED DITHER FREQUENCY	100HZ (AMPLITUDE 200mA)	100HZ (AMPLITUDE 100mA)	-	-
CONNECTOR	AMP JUNIOR TIMER (JA)			
	DEUTSCH DT04-2P (DT)			
PROTECTION CLASS	IP6K6			

HYDRAULIC DATA

MAX VOLUME FLOW @ 6bar ΔP	2.5-5 l/min
MAX PRESSURE FROM PRV	35bar
MAX WORKING PRESSURE	25bar
MAX TANK SIDE PRESSURE	5bar
INTERNAL LEAKAGE @ 35bar 32cSt	< 0.06 l/min (DE-ENERGIZED) <0.15 l/min (ENERGIZED)
CONTAMINATION LEVEL	MIN FILTRATION: 20/18/15 ACCORDING TO ISO 4406
FILTERSCREEN SIZE	200 μm

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Inlet and Outlet Element Matching Configurations

INLET ELEMENT CONFIGURATIONS

	P	PL	MPP	TP
Z01	OPEN	PLUGGED	PLUGGED	OPEN
Z02	PLUGGED	OPEN	PLUGGED	OPEN
Z03	OPEN	PLUGGED	OPEN	PLUGGED
Z04	PLUGGED	OPEN	OPEN	PLUGGED

OUTLET ELEMENT CONFIGURATIONS

	T	TL	TL2	P3	CPV	NOTE
U8	OPEN	NA	NA	NO	YES	-
U9	PLUGGED	NA	OPEN	NO	YES	-
U5	OPEN	NA	NA	YES	NO	10 bar min on the return line
U5L2	PLUGGED	NA	OPEN	YES	NO	10 bar min on the return line
U7	OPEN	NA	NA	PLUGGED	NO	10 bar min pump stand-by pressure
U7L2	PLUGGED	NA	OPEN	PLUGGED	NO	10 bar min pump stand-by pressure
U4	OPEN	PLUGGED	NA	NO	NO	10 bar min on the return line
U3	PLUGGED	OPEN	NA	NO	NO	10 bar min on the return line

MATCHING CONFIGURATIONS

	Z01	Z02	Z03	Z04
U8	X	X	X	X
U9	X	X	X	X
U5	X	X	X	X
U5L2	X	X	X	X
U7	X	X	X	X
U7L2	X	X	X	X
U4	X	X	X	X
U3	X	X	X	X

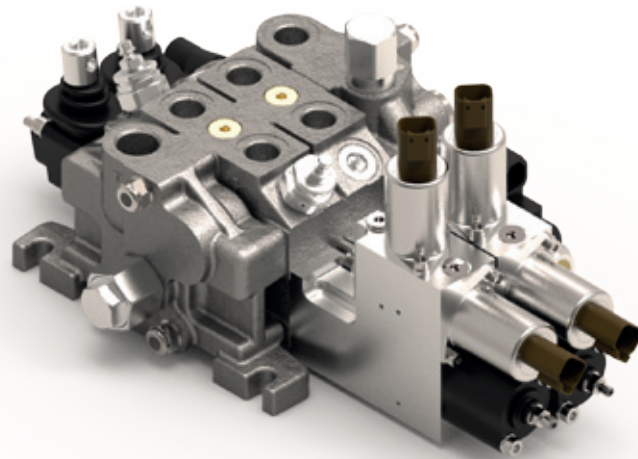
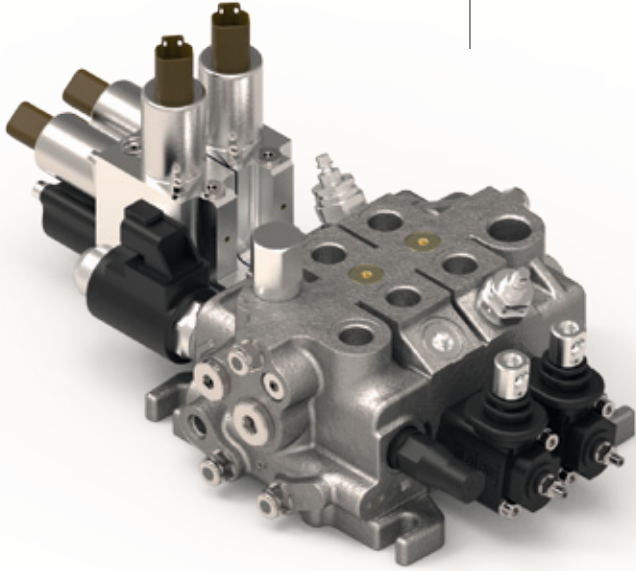
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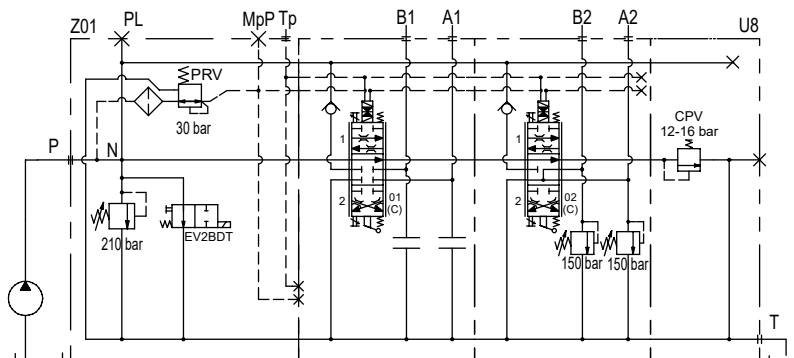
VD6Z Configurations

Example 1

2 Bank Electro-hydraulic proportional controlled sections (24V)
 VD6Z-Z01D210-EV2BDT/P01C-PRA.PRB-NLEA-KE2DT/
 /P02C-VA150A.VA150B-NLEA-KE2DT/U8G



Hydraulic Circuit



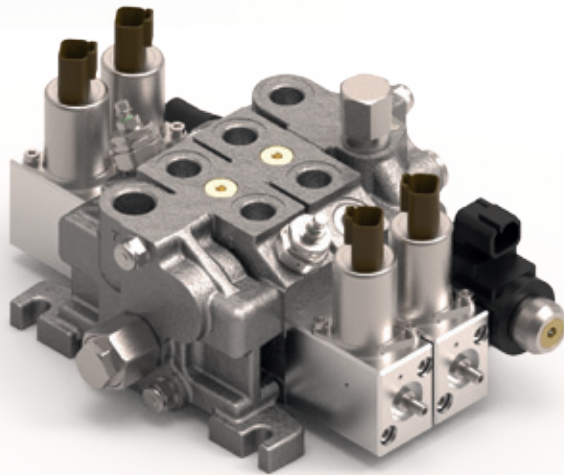
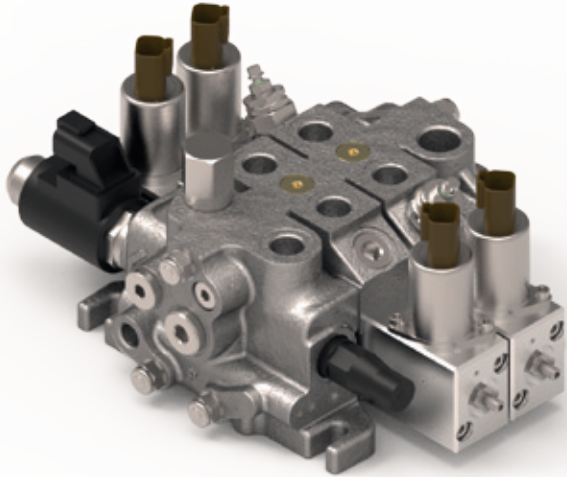
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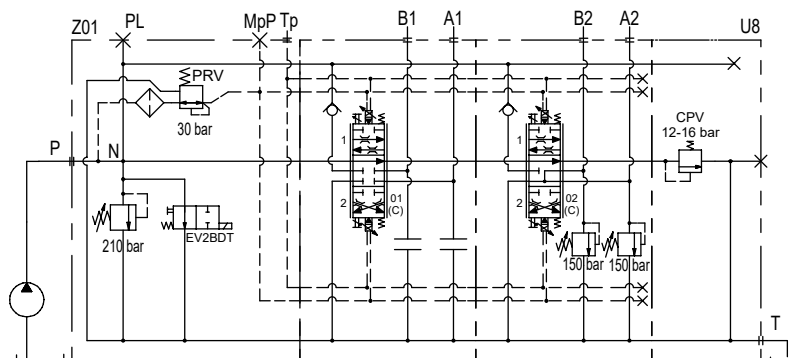
VD6Z Configurations

Example 2

2 Bank Electro-hydraulic proportional controlled sections (24V)
VD6Z-Z01D210-EV2BDT/P01C-PRA.PRB-SKE-KE2DT/
/P02C-VA150A.VA150B-SKE-KE2DT/U8G



Hydraulic Circuit



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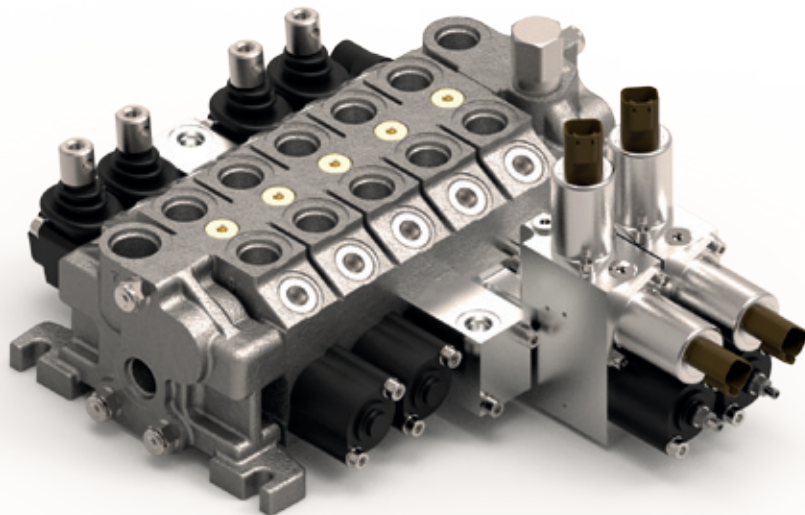
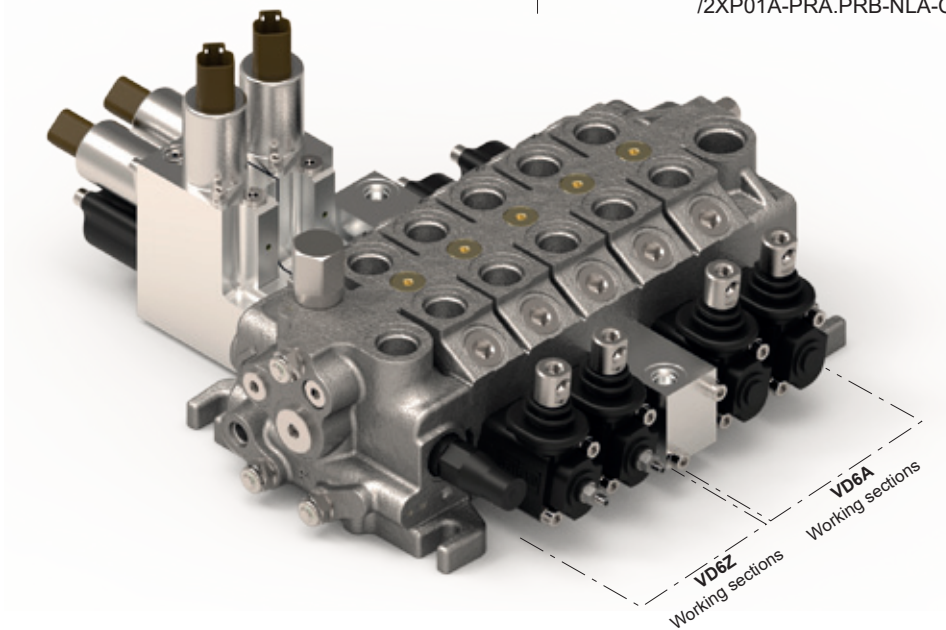


VD6Z Configurations

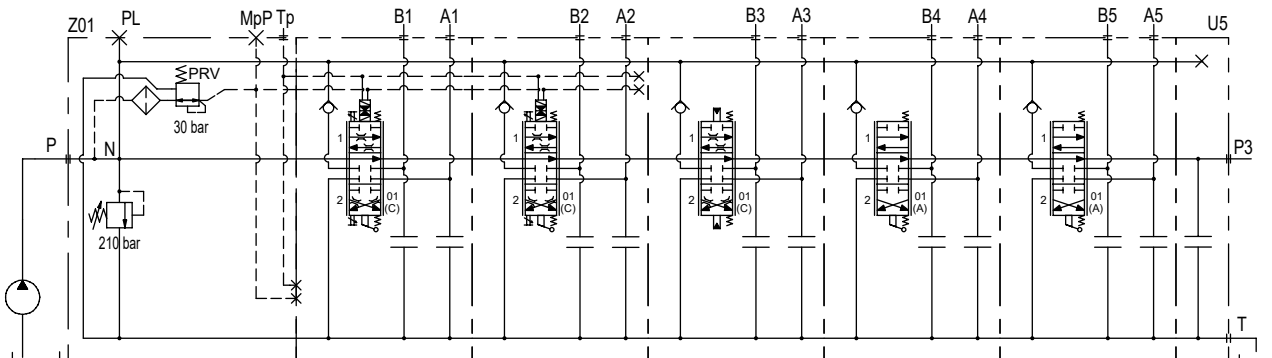
Example 3

5 Bank Electro-hydraulic proportional (24), manual and hydraulic controlled sections

VD6Z-Z01D210/2XP01C-PRA.PRB-NLEA-KE2DT/
/P01C-PRA.PRB-IP/
/2XP01A-PRA.PRB-NLA-C2/U5S



Hydraulic Circuit

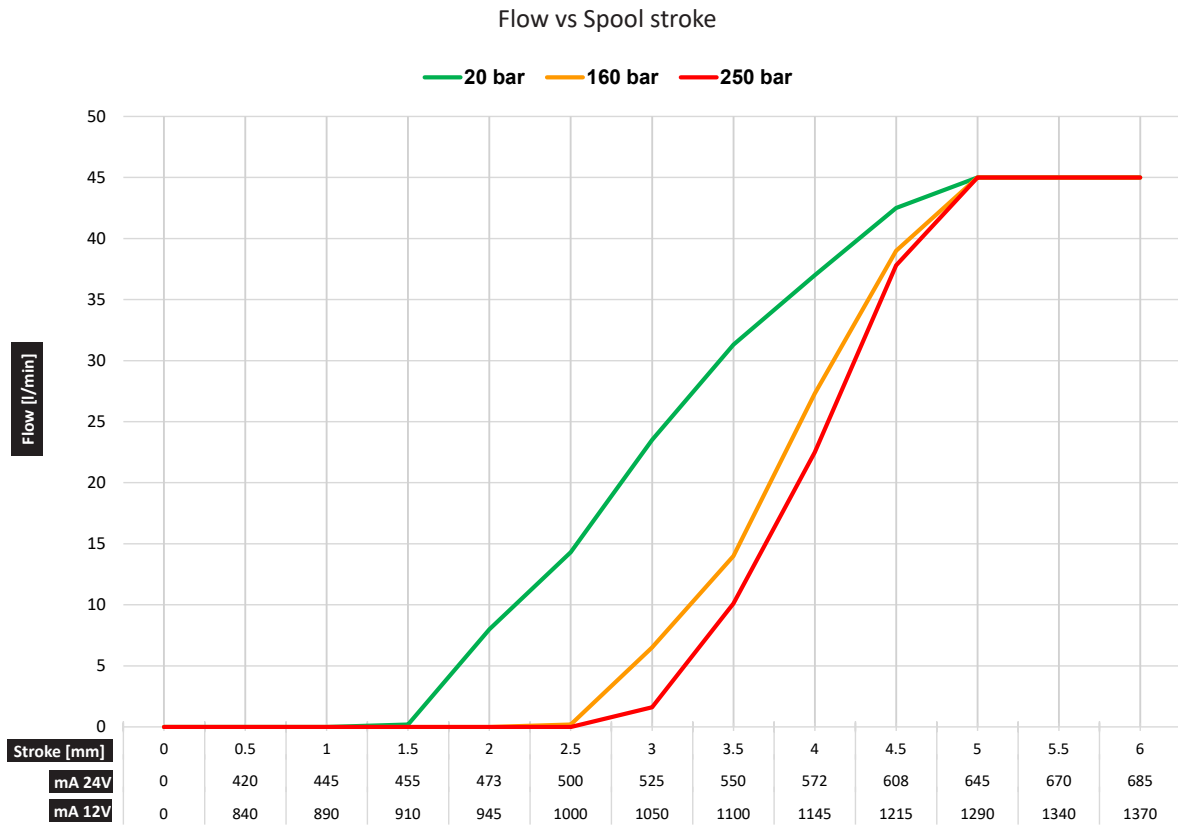


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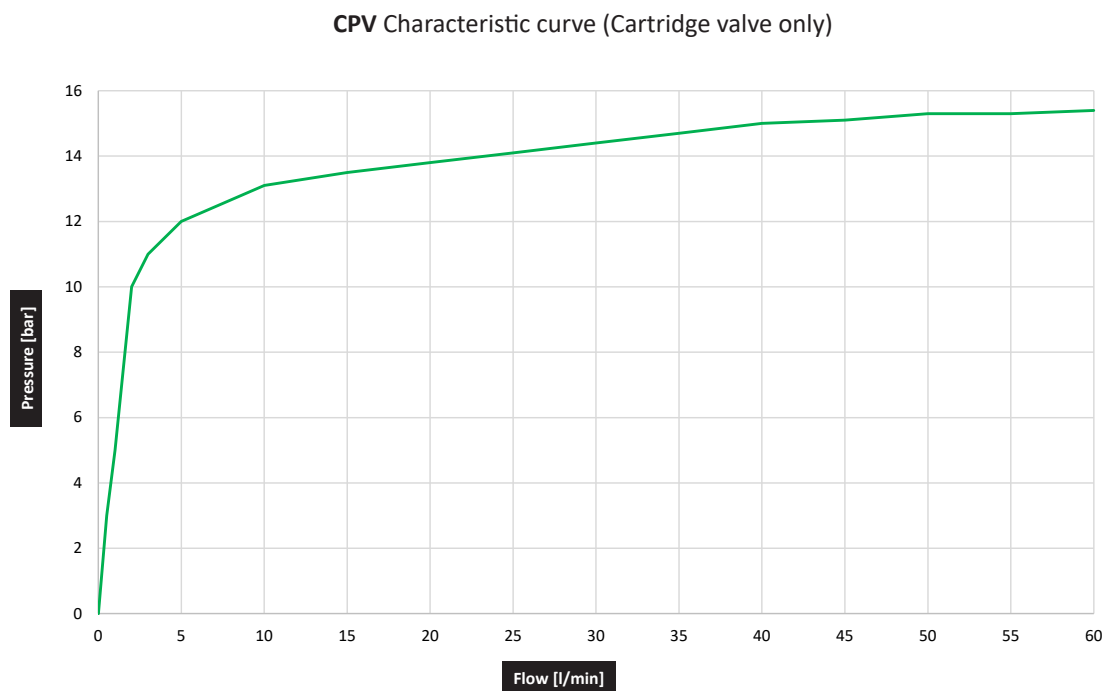
Oil ISO VG32 at 21 cSt

Metering Curves



Oil ISO VG32 at 21 cSt

Back pressure valve Data



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► For any other options see **VD6A** Technical Catalogue (E0.05.1011.02.03)

VD6Z	Z01	D	210	-	EV2BDT	/	2	X	P	01C	-	VA	150	A	.	VA	150	B	-	NLE	A	-	KE	2	DT	/	U8	G
	A	B	C		D		E	F	G			H		I		H		I		L	M		N	O	P		Q	R

A INLET ELEMENT	
	Z01-Z02-Z03-Z04

B MAIN RELIEF VALVE	
D	Direct main relief valve
W	Without main relief valve

C MAIN RELIEF VALVE SETTINGS	
	From 25 to 350 bar (363 to 5070 psi)

D SOLENOID UNLOADING VALVE	
	EV1-EV2-EV3-EV4

E NUMBER OF IDENTICAL CONSECUTIVE SECTIONS	
--	--

F WORKING SECTIONS	
P	Parallel circuit
S	Series circuit
T	Tandem circuit

G SPOOL TYPES	
01C	Double acting spool for hydraulic control High metering
02C	Double acting motor spool for hydraulic control High metering
03C	Double acting motor spool ("B" port blocked) for hydraulic control - High metering
04C	Double acting motor spool ("A" port blocked) for hydraulic control - High metering

H AUXILIARY VALVES	
VA	Antishock valve
AR	Antishock and Anticavitation valve
VR	Anticavitation valve
CV	Single/double acting conversion valve

R PORTS	
G	GAS - BSP Threaded (ISO 228)
S	SAE UN - UNF Threaded (ISO 725)

Q OUTLET ELEMENT	
	U3-U4-U5-U5L2-U7-U7L2-U8-U9

P CONNECTOR TYPE	
JA	AMP JUNIOR TIMER
DT	DEUTSCH DT04-2P

O ELECTRO-HYDRAULIC MODULES VOLTAGE	
1	12V
2	24V

N SPOOL POSITIONINGS	
KE	Electro-hydraulic proportional with stroke adjuster

M CONTROL SIDE	
A	A port side
B	B port side

L SPOOLS CONTROLS	
NLE	Manual lever box with stroke adjusters, dual manual command
SKE	Electro - hydraulic proportional and stroke adjuster

I PORT ON WHICH THE VALVE IS MOUNTED	
--------------------------------------	--

VD6LS

Closed Centre for variable displacement load sensing pump



Technical Data

Max Flow	Q	60 l/min - (16 gpm US)
Max Pressure	LS Main Relief bar	320 bar - (4600 psi)
	port P	350 bar - (5070 psi)
	ports A/B	350 bar - (5070 psi)
	port T	25 bar - (360 psi)
Spool Stroke (Positions 1 And 2)	± 6 mm - (0.236 in.)	
Number of sections	From 1 To 8	

Main Features

- Sectional design
- Parallel Circuit
- LS main relief valve and pump flow main relief valve
- Solenoid unloading valve
- High metering double acting cylinder and motor spools
- Spool Control: manual, manual joystick, cable remote, hydraulic piloted, pneumatic piloted.
- Spool positioning: spring centred, detent, friction detent

Applications

- Lifting Equipment
- Small Trucks
- Agriculture Equipment
- Material handling

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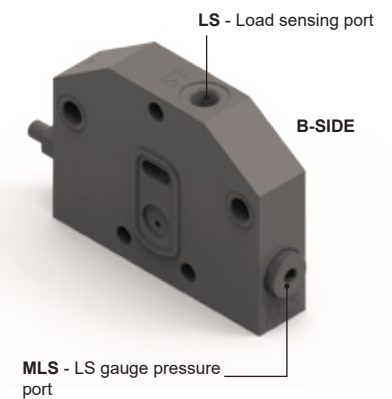
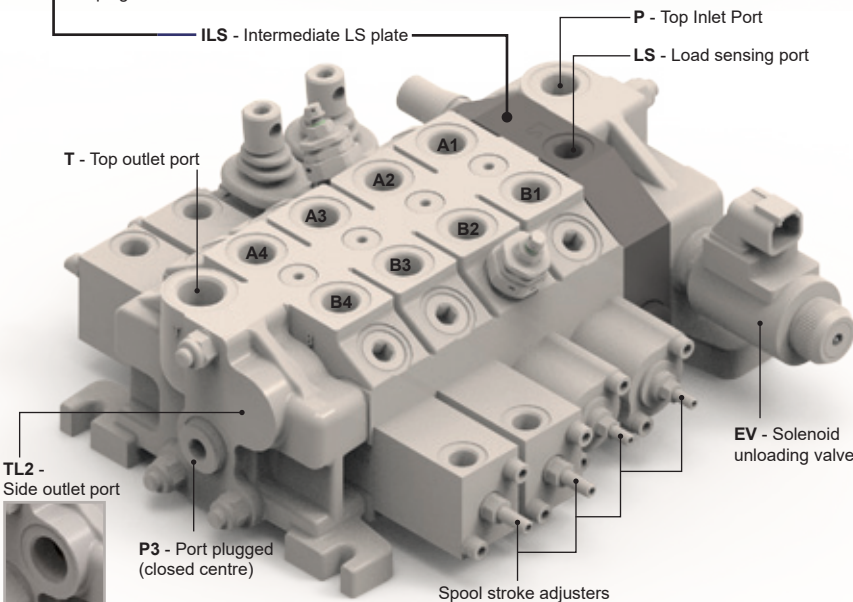
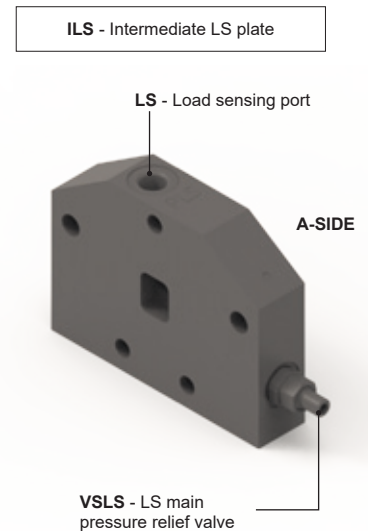
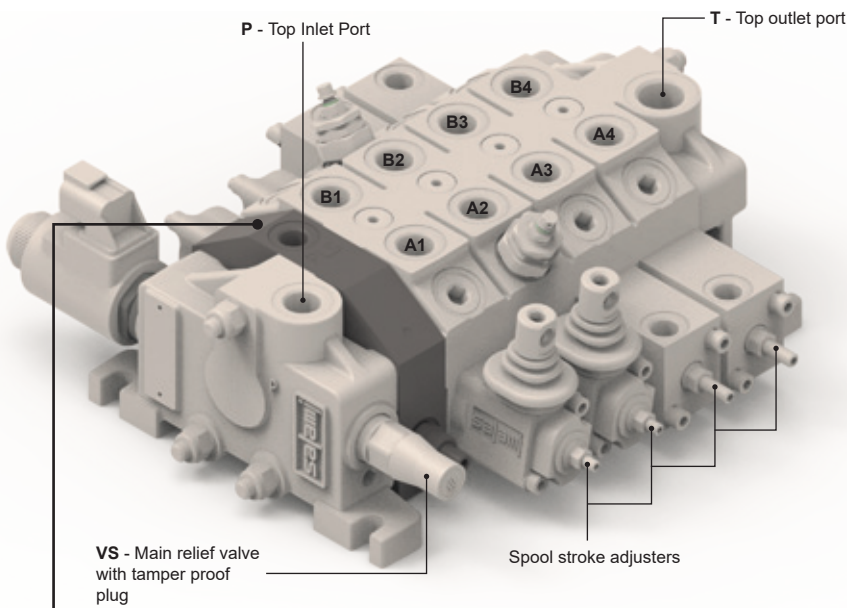


VD6LS

Closed Centre for variable displacement load sensing pump

VD6LS vs VD6A

FEATURES	VD6LS	VD6A
INLET ELEMENT	VD6A standard	standard
INTERMEDIATE LS PLATE	LS main relief valve, LS port	NA
OUTLET ELEMENT	VD6A standard	standard
WORKING SECTIONS	Spool with shuttle valve and LS crossing line	Standard
SPOOL FLOW	45-60 l/min @ 14-26 bar pump stand-by pressure	Standard and high metering spools
	35-50 l/min @ 14-26 bar pump stand-by pressure	
STACKABLE WITH VD6A	NA	-
SPOOL CONTROL	NL, MP, SL, TC, L1/L2, IP, PP, P1/P2	See VD6A catalogue
SPOOL POSITIONING	C2, C3, R2, R4, R5, C0	See VD6A catalogue
METERING	High metering spools	Standard and high metering spools



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Port Size and Thread

		P	PL	LS	MLS	A/B	T	TL2
BSP (UNI ISO 1179 - THREADS UNI ISO 228/1)	G1/4			X	X			
	G3/8	X	X			X		
	G1/2						X	X
SAE UN-UNF (UNI ISO 11926 - THREADS UNI ISO 725)	SAE4 (7/16-20 UNF)			X	X			
	SAE8 (3/4-16 UNF)	X	X			X		
	SAE10 (7/8-14 UNF)						X	X

Valves

INLET ELEMENT VALVES		INTERMEDIATE PLATE VALVES		WORKING SECTION VALVES	
Main pressure relief valve	VS - Pressure setting 20-30 bar higher than VLS pressure setting	LS main pressure relief valve	VLS	Antishock valve	VA
Solenoid unloading valve	EV1/EV2/EV3/EV4			Antishock and Anticavitation valve	AR
				Anticavitation valve	VR
				Single/double acting conversion valve	CV

Inlet and Outlet Element Matching Configurations

INLET ELEMENT CONFIGURATIONS				
	P	PL	G	
01	OPEN	NA	NA	
02	PLUGGED	OPEN	NA	
03	OPEN	OPEN	NA	
21	OPEN	NA	OPEN	
22	NA	OPEN	OPEN	
OUTLET ELEMENT CONFIGURATIONS				
	T	TL	TL2	P3
U7	OPEN	NA	NA	PLUGGED - CLOSED CENTRE
U7L2	PLUGGED	NA	OPEN	PLUGGED - CLOSED CENTRE
INTERMEDIATE LS PLATE CONFIGURATIONS				
	LS			
ILS	OPEN			

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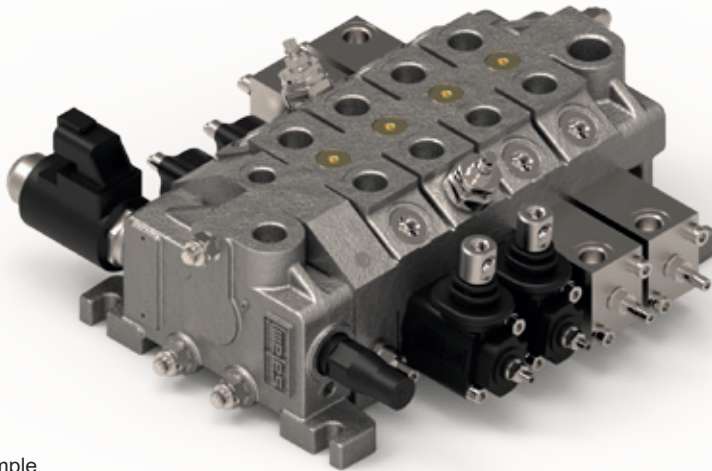


Inlet and Outlet Element Matching Configurations

MATCHING CONFIGURATIONS

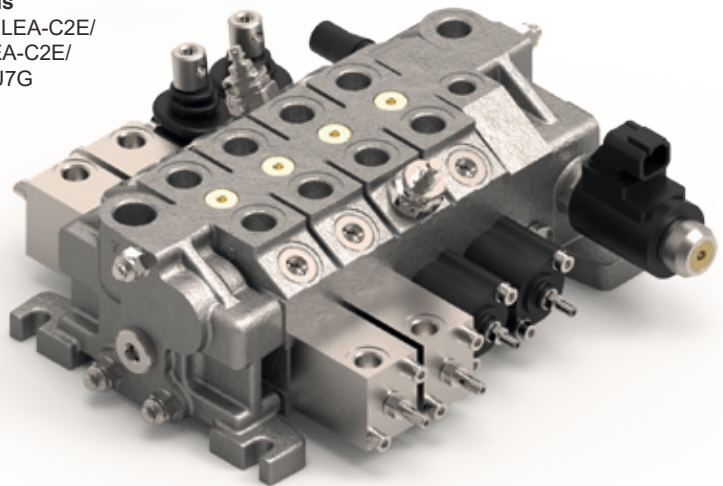
	01	02	02	21	22
U7	X	X	X	X	X
U7L2	X	X	X	X	X

VD6LS Configurations

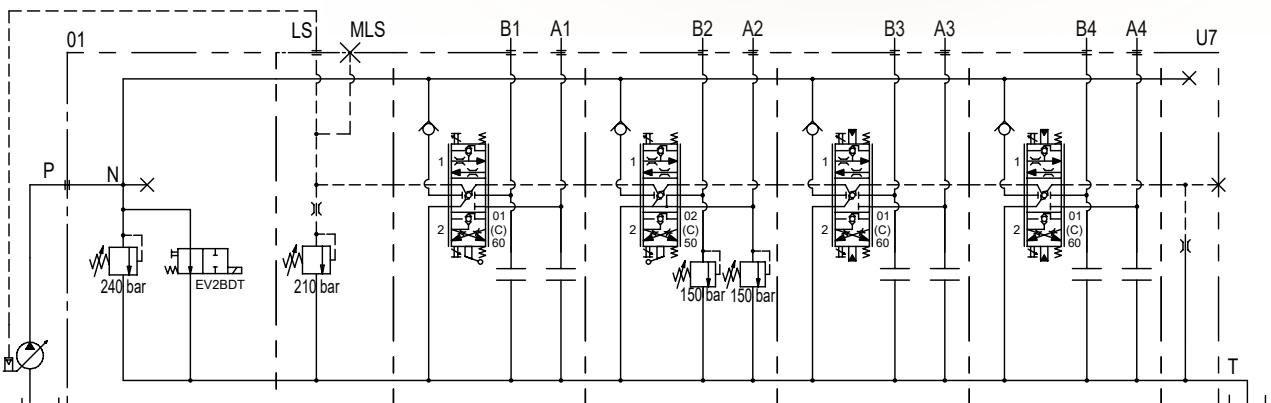


Example

4 Bank Manual and hydraulic pilot controlled sections
 VD6LS-01D240-EV2BDT/LS(210)/P01C60-PRA.PRB-NLEA-C2E/
 /P02C50-VA150A.VA150B-NLEA-C2E/
 /2XP01C60-PRA.PRB-IP1RE/U7G



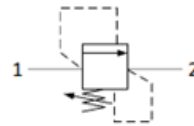
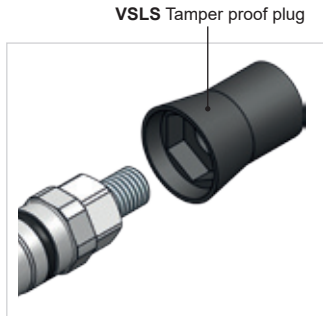
Hydraulic Circuit



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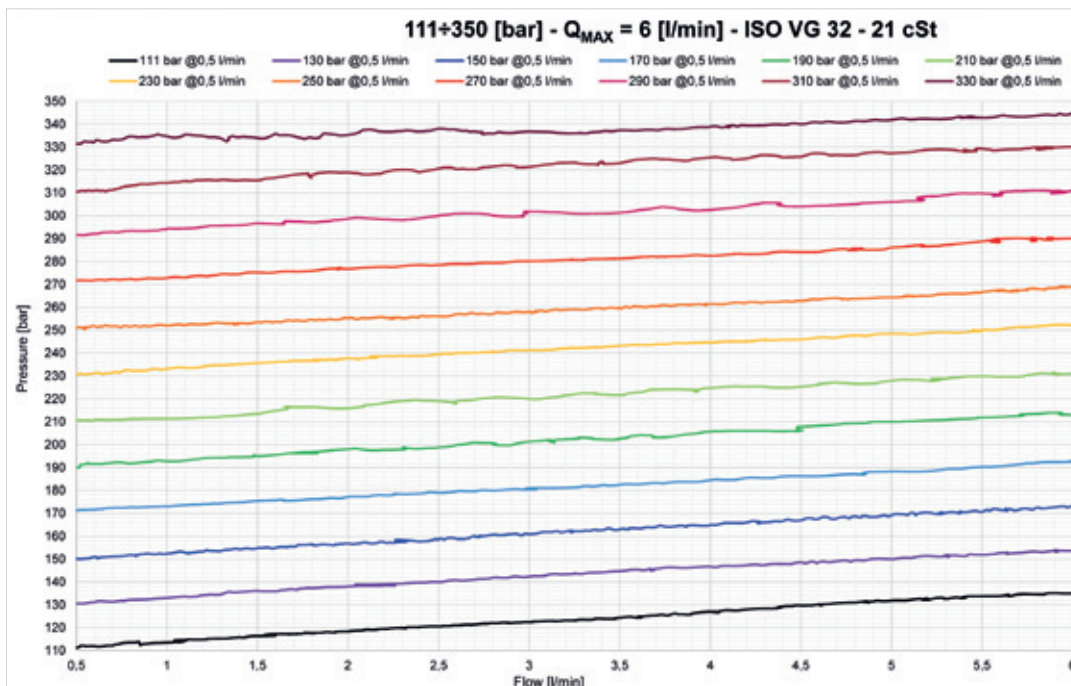
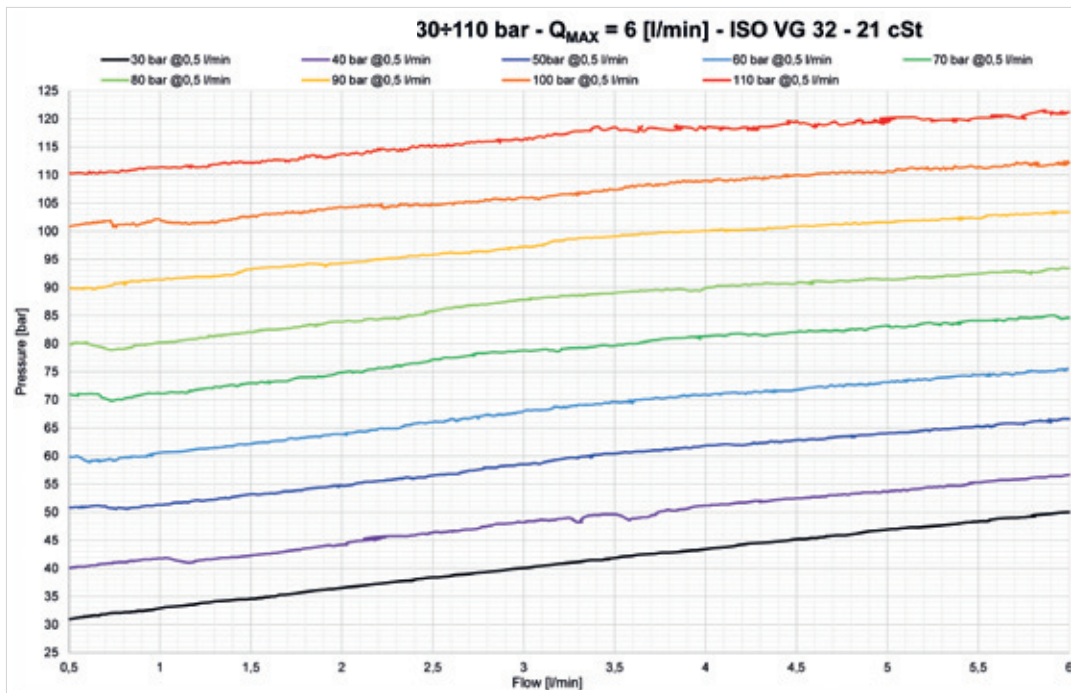


LS Main Pressure Relief Valve - VSLS



Q_{MAX}
6l/min – 1.5GPM

Pressure setting range
30-110 bar
111-350 bar



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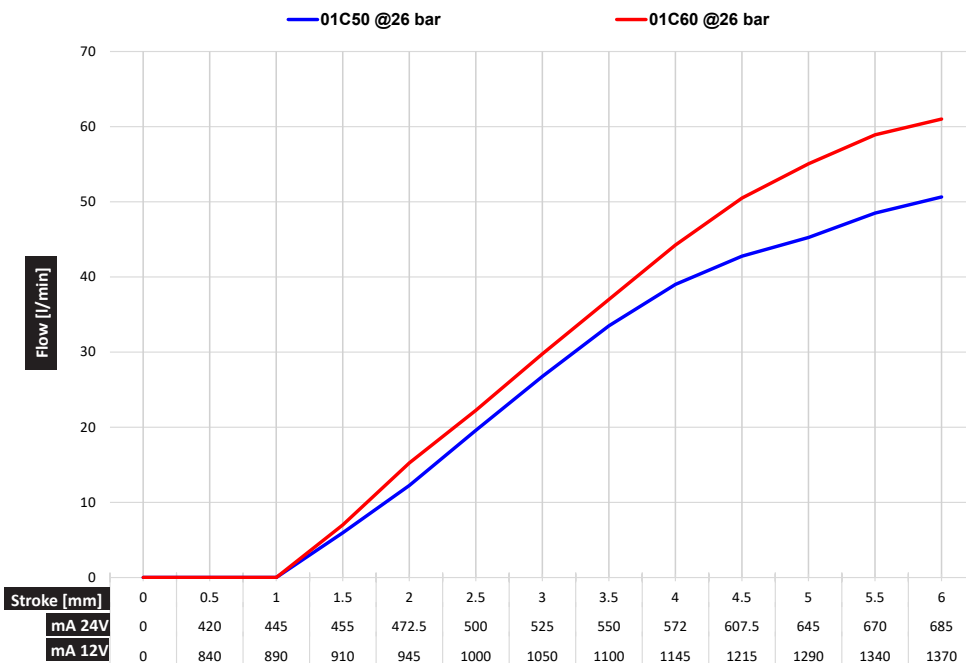
Spools

TYPE	FLOW CONTROL
01C60 - Double acting cylinder spool	45-60 l/min @ 14-26 bar pump stand-by pressure
02C60 - Double acting motor spool	
01C50 - Double acting cylinder spool	35-50 l/min @ 14-26 bar pump stand-by pressure
02C50 - Double acting motor spool	

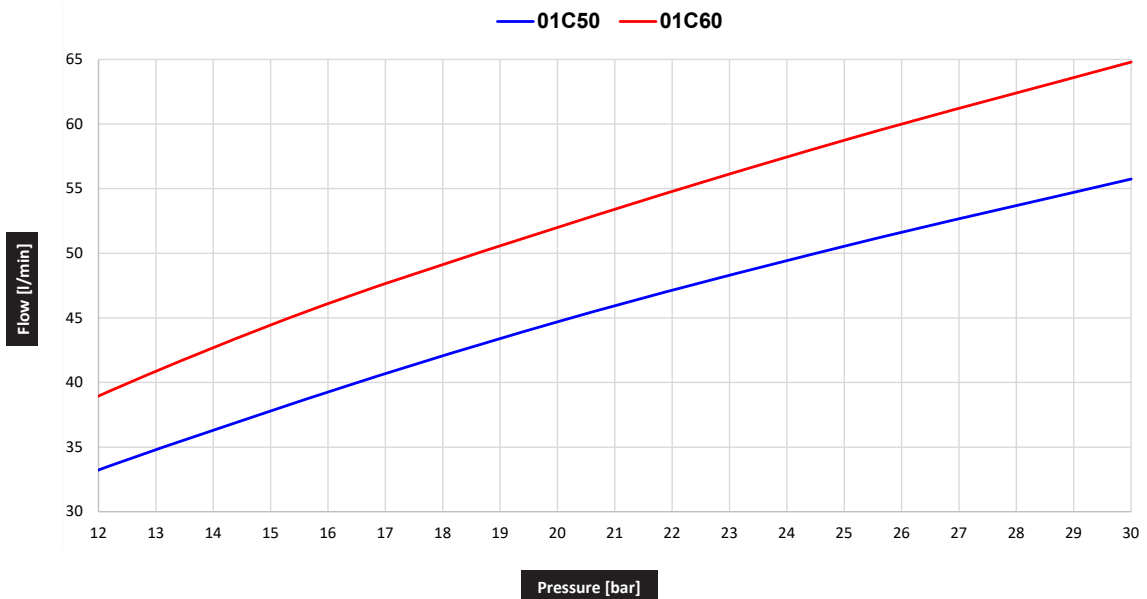
Oil ISO VG32 at 21 cSt

Metering Curves

Flow vs Spool stroke at 26 bar stand by pump pressure



Spool Flow vs Pump Stand-by Pressure



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► For any other options see **VD6A** Technical Catalogue (E0.05.1011.02.03)

VD6LS	01	D	210	-	EV2BDT	/	ILS	210	/	4	X	P	01C	60	-	VA	150	A	.	VA	150	B	-	NLE	A	-	C2E	/	U7	G
	A	B	C		D		E	F		G	H		I			L	M			L	M		N	O		P		Q	R	

A INLET ELEMENT	
	01-02-03-21-22

B MAIN RELIEF VALVE	
D	Direct main relief valve
W	Without main relief valve

C MAIN RELIEF VALVE SETTINGS	
	From 25 to 350 bar (360 to 5070 psi)

D SOLENOID UNLOADING VALVE	
	EV1-EV2-EV3-EV4

E INTERMEDIATE LS PLATE	
	ILS

F VLSL SETTING	
	30-110 bar (435 to 1595 psi)
	111-350 bar (1600 to 5070 psi)

G NUMBER OF IDENTICAL CONSECUTIVE SECTIONS	

H WORKING SECTIONS	
P	Parallel circuit

I SPOOL TYPES	
01C	Double acting cylinder spool
02C	Double acting cylinder motor spool

I NOMINAL SPOOL FLOW	
50	35-50l/min @ 14-26 bar pump stand-by pressure
60	45-60l/min @ 14-26 bar pump stand-by pressure

L AUXILIARY VALVES	
VA	Antishock valve
AR	Antishock and Anticavitation valve
VR	Anticavitation valve
CV	Single/double acting conversion valve

R PORTS	
G	GAS - BSP Threaded (ISO 228)
S	SAE UN - UNF Threaded (ISO 725)

Q OUTLET ELEMENT	
	U7-U7L2

P SPOOL POSITIONINGS	
C2E	Spring Centred Cap with Spool stroke adjusters
C0	Friction Detent
R2	Two position 1&2 detent with spring return to neutral
R4	Detent on position 1 with spring return to neutral
R5	Detent on position 2 with spring return to neutral

O CONTROL SIDE	
A	A port side
B	B port side

N SPOOLS CONTROLS	
SL	Spool End with wiper seal, w/o lever box
NLE	Manual lever box with Spool stroke adjusters
TC	Cable Control Connector Kit
PP	Pneumatic Pilot Control
IP1RE	Hydraulic Pilot Control with Spool stroke adjusters and top ports

M PORT ON WHICH THE VALVE IS MOUNTED	

VD6ZLS

Electro-hydraulic proportional for variable displacement LS pump



Technical Data

Max Flow	Q	60 l/min - (16 gpm US)
Max Pressure	LS Main Relief bar	320 bar - (4600 psi)
	port P	350 bar - (5070 psi)
	ports A/B	350 bar - (5070 psi)
	port T	25 bar - (360 psi)
	Pilot drain port Tp	5 bar - (70 psi)
Spool Stroke (Positions 1 And 2)	± 6 mm - (0.236 in.)	
Number of sections	From 1 To 8	

Main Features

- Sectional design
- Parallel Circuit
- LS main relief valve and pump flow main relief valve
- Electro – hydraulic proportional spool control
- High metering double acting cylinder and motor spools
- Manual lever dual command
- Remote pilot pressure port
- Solenoid unloading valve
- Stackable with VD6LS sections

Applications

- Lifting Equipment
- Small Trucks
- Agriculture Equipment
- Radio remote mobile equipment
- Material handling

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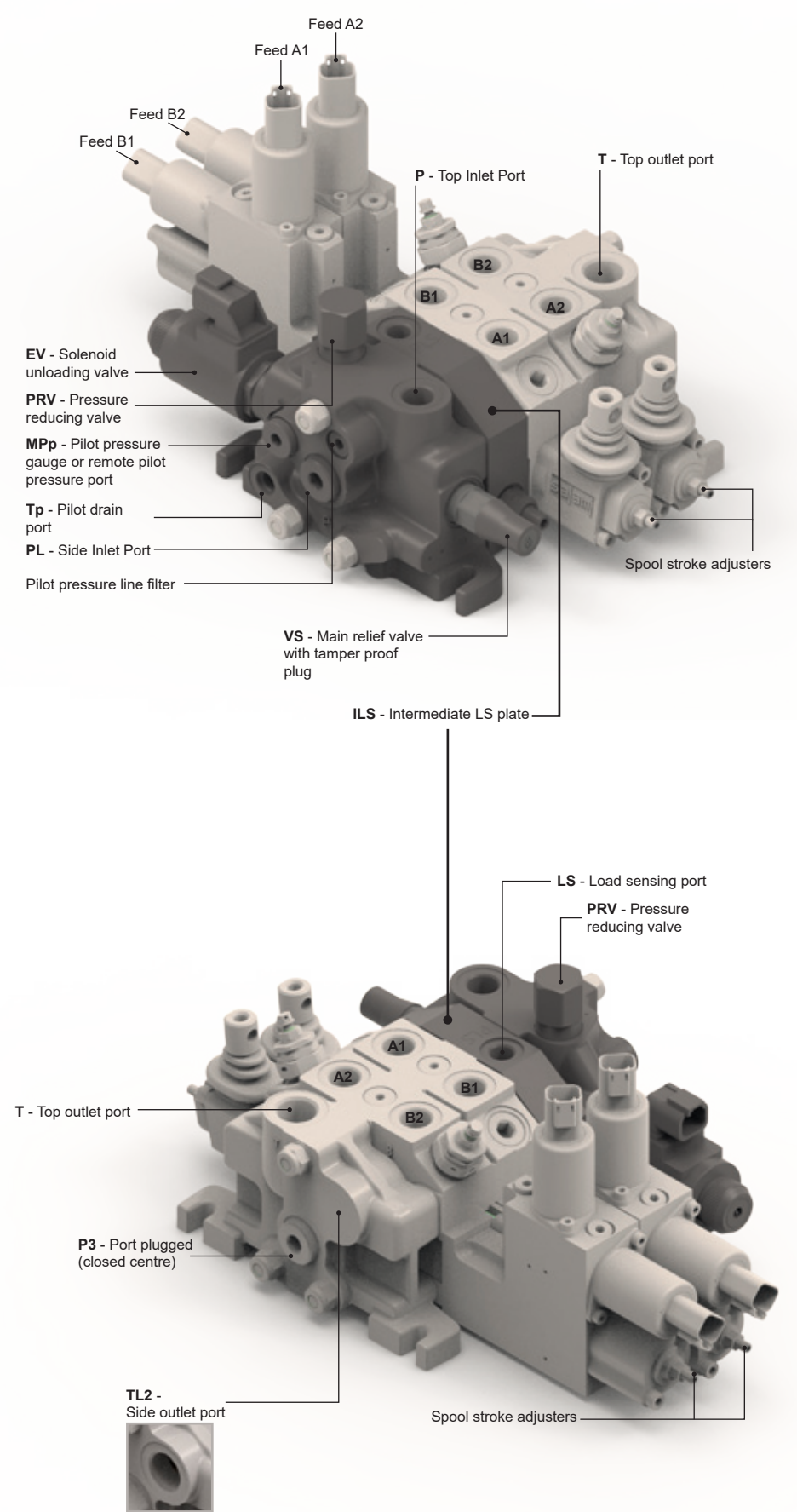


VD6ZLS vs VD6LS		
FEATURES	VD6ZLS	VD6LS
INLET ELEMENT	Main relief valve, Solenoid unloading valve, pressure reducing valve, pilot pressure remote port, pilot drain port	Main relief valve, Solenoid unloading valve
INTERMEDIATE LS PLATE	LS main relief valve, LS port	
OUTLET ELEMENT	VD6A standard	
WORKING SECTIONS	Spool with shuttle valve, LS crossing line, crossing pilot lines	Spool with shuttle valve, Is crossing line
STACKABLE WITH VD6LS	Sections must be stacked after the intermediate LS plate and upstream the VD6LS sections	Sections must be stacked downstream VD6ZLS sections
ELECTRO-HYDRAULIC PROPORTIONAL AND ON-OFF CONTROL	Fully integrated, no need of external pilot lines	H1/H2 control - only ON/OFF with external pilot lines
EXTERNAL FEEDING FOR HYDRAULIC JOYSTICK	Pilot pressure remote port (MPp) used to feed hydraulic pilot joysticks	NA
SPOOL FLOW	45-60 l/min @ 14-26 bar pump stand-by pressure	
	35-50 l/min @ 14-26 bar pump stand-by pressure	
SPOOL CONTROL	SKE, NLE	NL,MP, SL, TC, L1/L2, IP, PP, P1/P2
SPOOL POSITIONING	KE1JA, KE2JA, KE1DT, KE2DT	C2, C3, R2, R4, R5, C0
STACKABLE WITH VD6A	NA	NA
OUTLET ELEMENT CONFIGURATION	Closed centre	

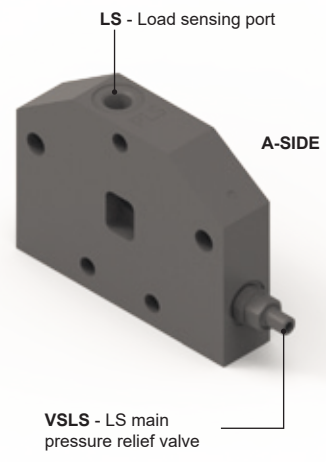
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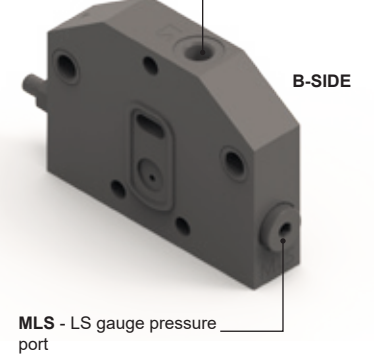
VD6ZLS Functional Description



ILS - New intermediate LS plate port



LS - Load sensing port



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Port Size and Thread

		P	PL	Tp	MPp	LS	MLS	A/B	T	TL2
BSP (UNI ISO 1179 - THREADS UNI ISO 228/1)	G1/4			X	X	X	X			
	G3/8	X	X					X		
	G1/2								X	X
SAE UN-UNF (UNI ISO 11926 - THREADS UNI ISO 725)	SAE4 (7/16-20 UNF)			X	X	X	X			
	SAE8 (3/4-16 UNF)	X	X					X		
	SAE10 (7/8-14 UNF)								X	X

Valves

INLET ELEMENT VALVES		INTERMEDIATE PLATE VALVES		WORKING SECTION VALVES	
Main pressure relief valve	VS - Pressure setting 20-30 bar higher than VSLS pressure setting	LS main pressure relief valve	VSLS	Antishock valve	VA
Solenoid unloading valve	EV1/EV2/EV3/EV4			Antishock and Anticavitation valve	AR
Pressure reducing valve	PRV			Anticavitation valve	VR
				Single/double acting conversion valve	CV

Proportional Pressure Control Valve

ELECTRICAL DATA

	KE1JA/KE1DT	KE2JA/KE2DT	ON-OFF	
VOLTAGE	12V	24V	12V	24V
MIN CURRENT	870mA	435mA	-	-
MAX CURRENT	1364mA	682mA	1400mA	700mA
RESISTANCE	4.72 Ω +/-5%	20.8 Ω +/-5%	4.72 Ω +/-5%	20.8 Ω +/-5%
PWM FREQUENCY	100HZ	100HZ	DIRECT CURRENT	DIRECT CURRENT
SUPER IMPOSED DITHER FREQUENCY	100HZ (AMPLITUDE 200mA)	100HZ (AMPLITUDE 100mA)	-	-
CONNECTOR	AMP JUNIOR TIMER (JA)			
	DEUTSCH DT04-2P (DT)			
PROTECTION CLASS	IP6K6			

HYDRAULIC DATA

MAX VOLUME FLOW @ 6bar ΔP	2.5-5 l/min
MAX PRESSURE FROM PRV	35bar
MAX WORKING PRESSURE	25bar
MAX TANK SIDE PRESSURE	5bar
INTERNAL LEAKAGE @ 35bar 32cSt	< 0.06 l/min (DE-ENERGIZED) <0.15 l/min (ENERGIZED)
CONTAMINATION LEVEL	MIN FILTRATION: 20/18/15 ACCORDING TO ISO 4406
FILTERSCREEN SIZE	200 μm

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Inlet and Outlet Element Matching Configurations					
INLET ELEMENT CONFIGURATIONS					
	P	PL	MPp	TP	
Z01	OPEN	PLUGGED	PLUGGED	OPEN	
Z02	PLUGGED	OPEN	PLUGGED	OPEN	
Z03	OPEN	PLUGGED	OPEN	PLUGGED	
Z04	PLUGGED	OPEN	OPEN	PLUGGED	
OUTLET ELEMENT CONFIGURATIONS					
	T	TL	TL2	P3	
U7	OPEN	NA	NA	PLUGGED - CLOSED CENTRE	
U7L2	PLUGGED	NA	OPEN	PLUGGED - CLOSED CENTRE	
INTERMEDIATE LS PLATE CONFIGURATIONS					
	LS				
ILS	OPEN				
MATCHING CONFIGURATIONS					
	Z01	Z02	Z03	Z04	
U7	X	X	X	X	
U7L2	X	X	X	X	

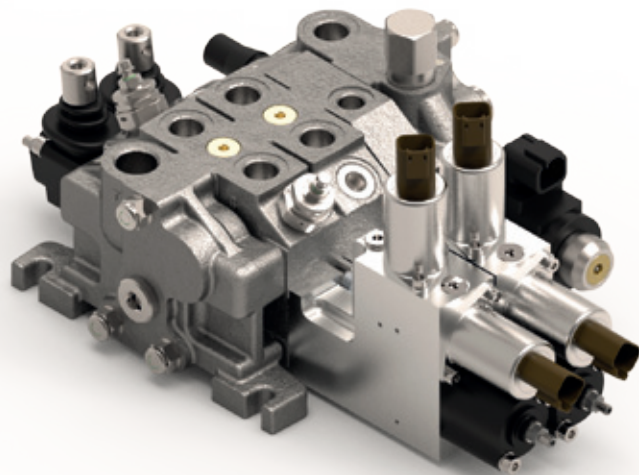
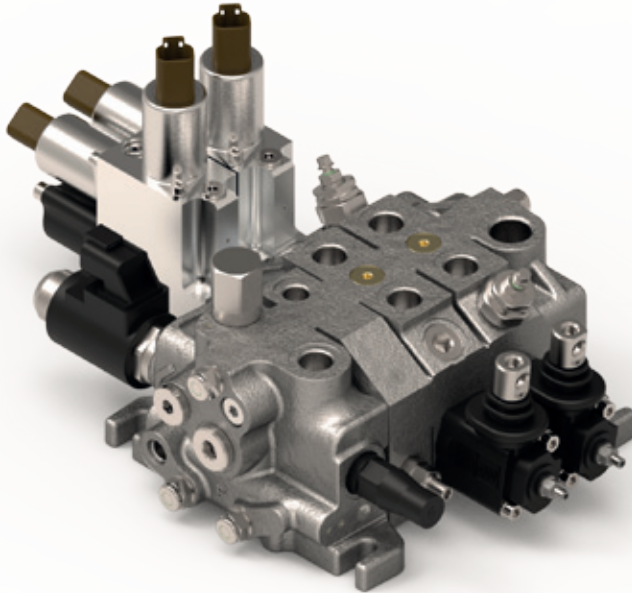
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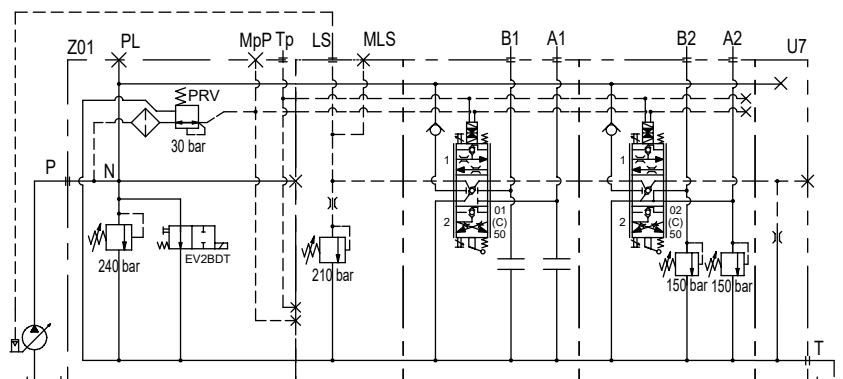
VD6ZLS Configurations

Example 1

2 Bank Electro-hydraulic proportional controlled sections (24V)
VD6ZLS-Z01D240-EV2BDT/LS(210)/P01C50-PRA.PRB-NLEA-KE2DT/
/P02C50-VA150A.VA150B-NLEA-KE2DT/U7G



Hydraulic Circuit



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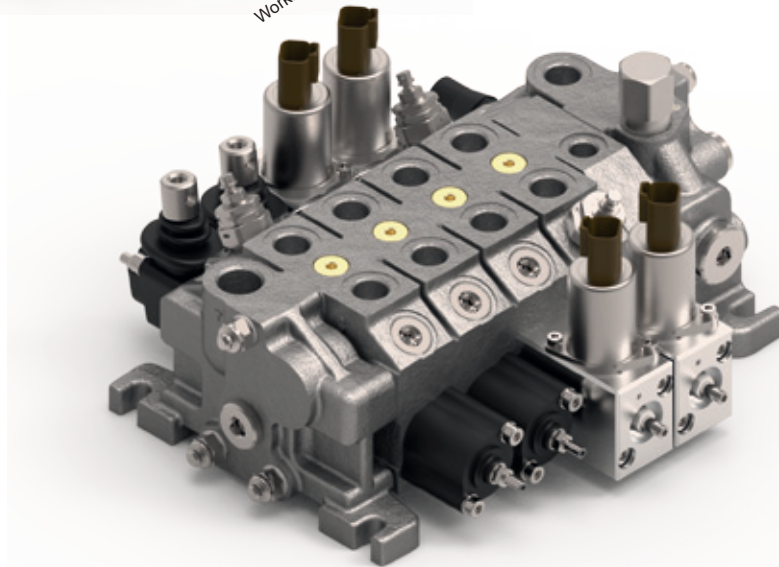
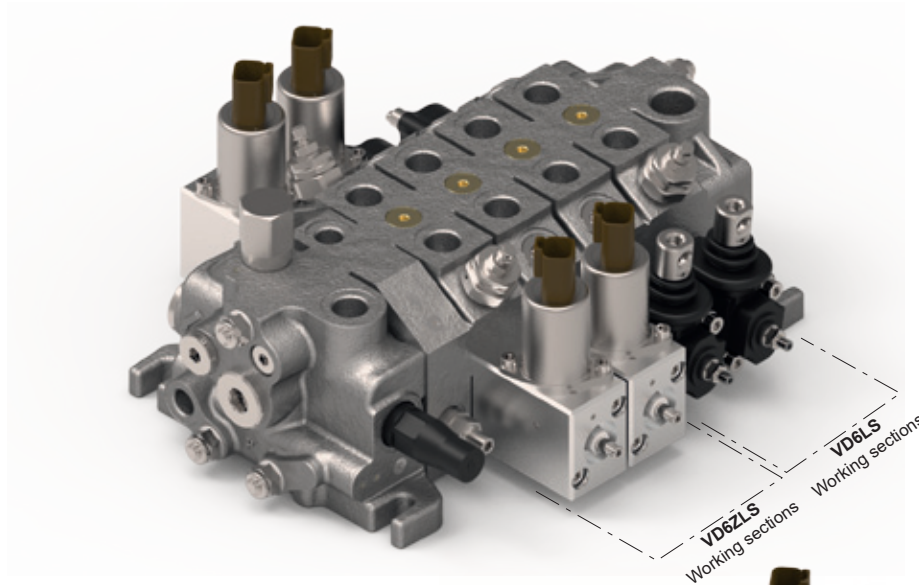


VD6ZLS Configurations

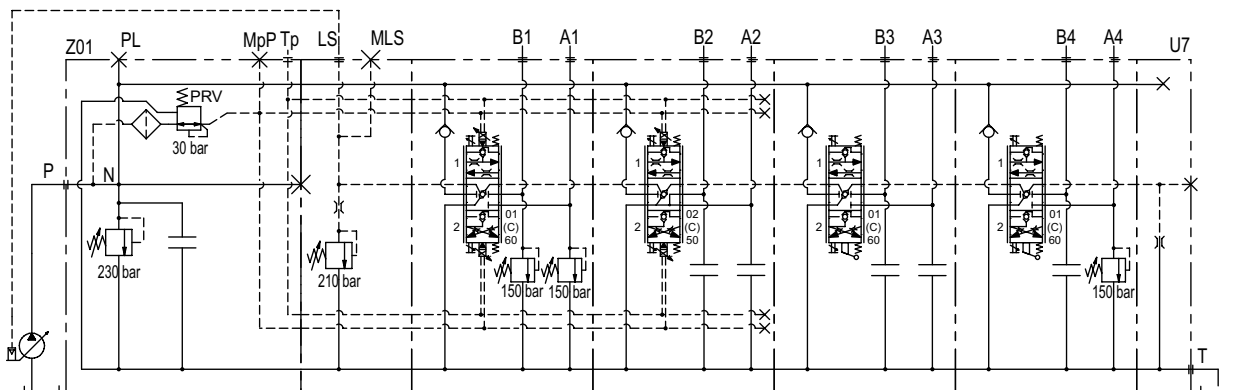
Example 2

4 Bank Electro-hydraulic proportional 24V and manual controlled sections

VD6ZLS-Z01D230/ILS(210)/P01C60-VA150A.VA150B-SKE-KE2DT/
 /P02C50-PRA.PRB-SKE-KE2DT
 /P01C60-PRA.PRB-NLEA-C2E
 /P01C60-VA150A.PRB-NLEA-C2E
 /U7G



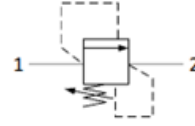
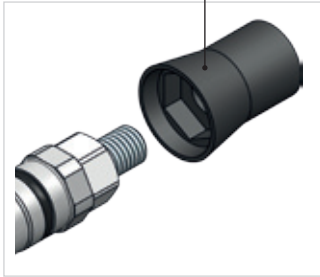
Hydraulic Circuit





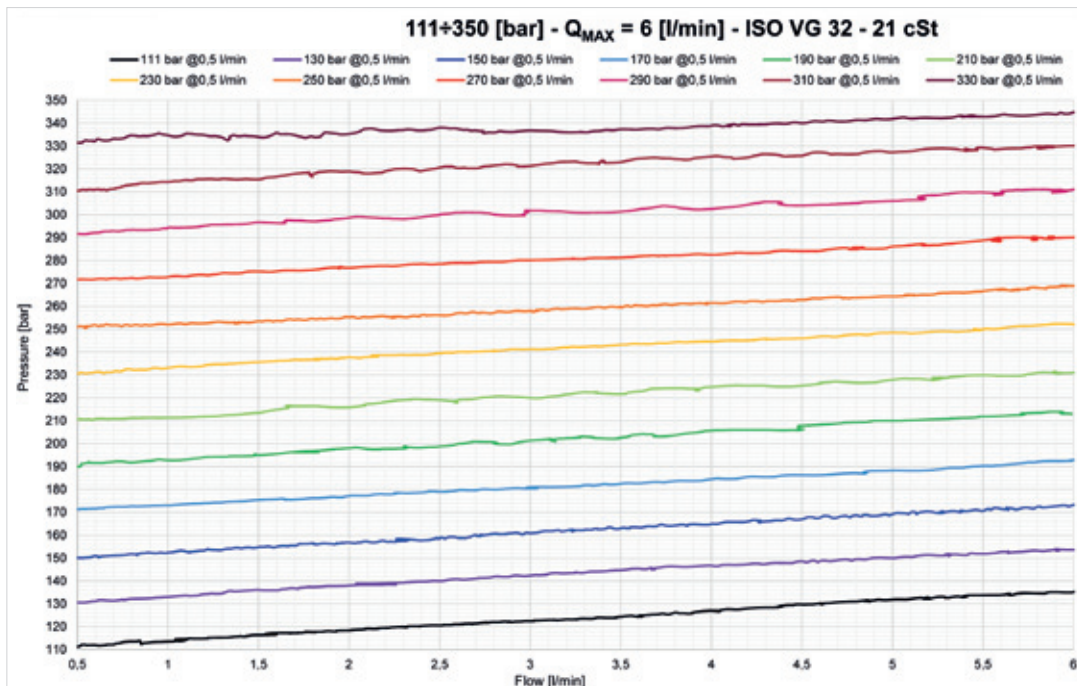
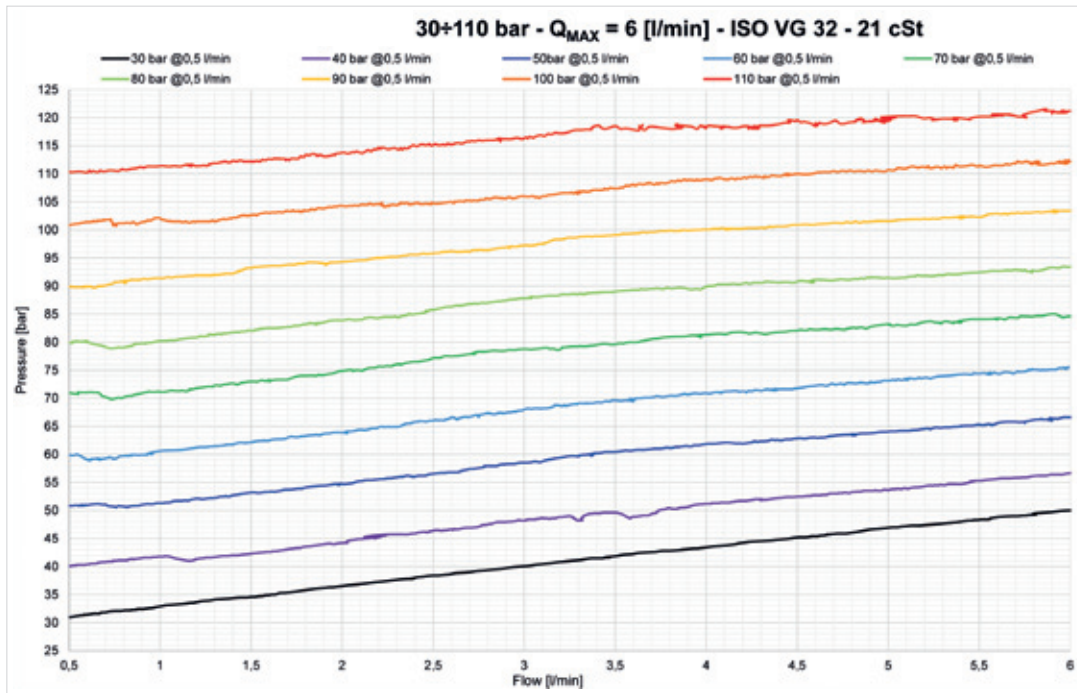
LS Main Pressure Relief Valve - VSLS

VSLS Tamper proof plug



Q_{MAX}
6l/min – 1.5GPM

Pressure setting range
30-110 bar
111-350 bar



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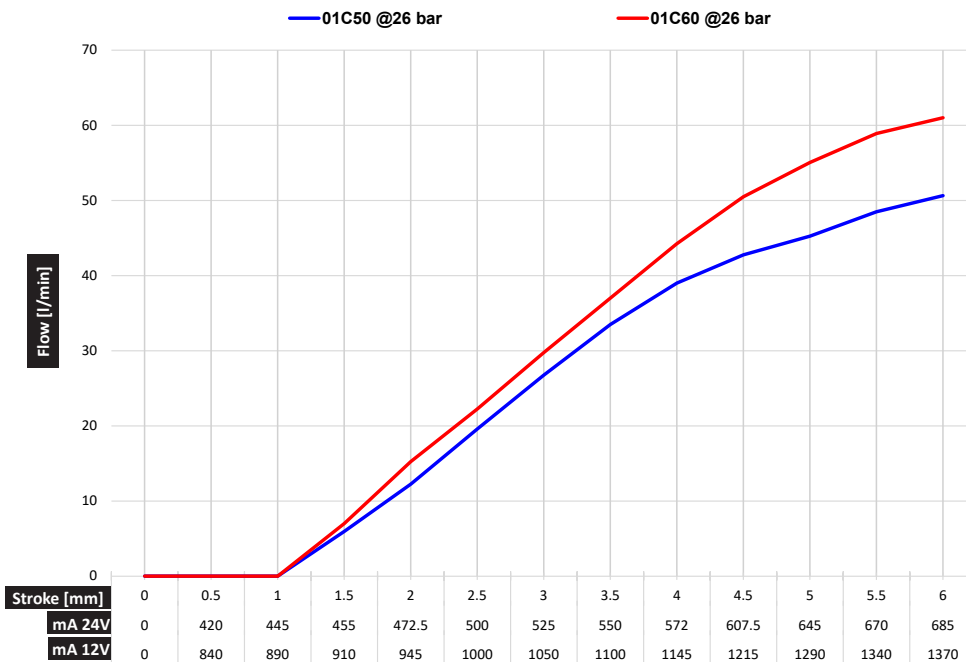
Spools

TYPE	FLOW CONTROL
01C60 - Double acting cylinder spool	45-60 l/min @ 14-26 bar pump stand-by pressure
02C60 - Double acting motor spool	
01C50 - Double acting cylinder spool	35-50 l/min @ 14-26 bar pump stand-by pressure
02C50 - Double acting motor spool	

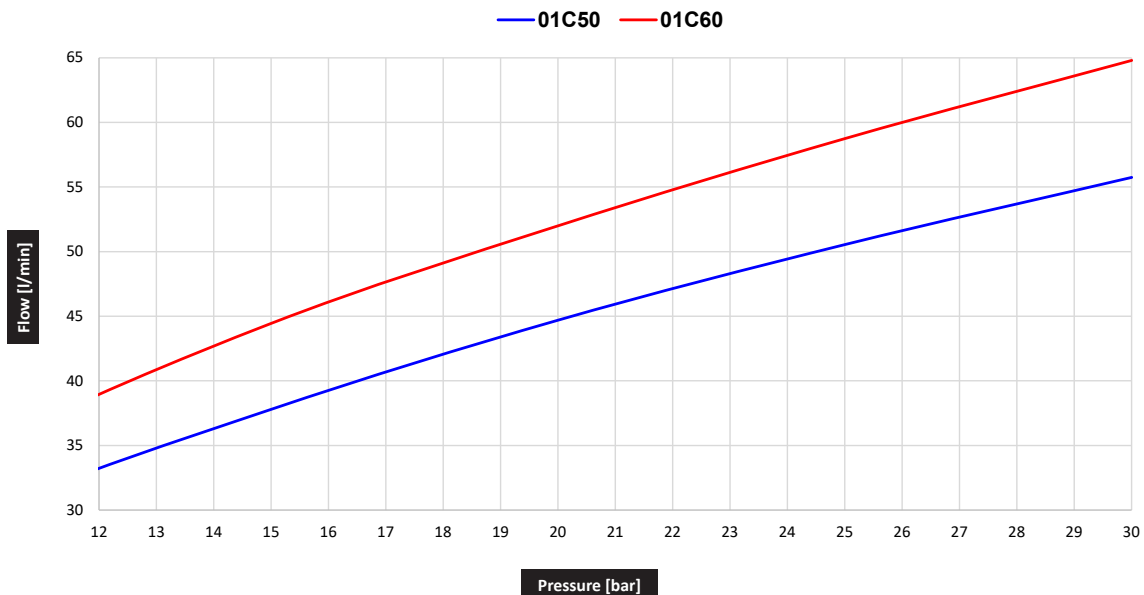
Oil ISO VG32 at 21 cSt

Metering Curves

Flow vs Spool stroke at 26 bar stand by pump pressure



Spool Flow vs Pump Stand-by Pressure



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► For any other options see **VD6A** Technical Catalogue (E0.05.1011.02.03)

VD6ZLS	Z01	D	210	-	EV2BDT	/	ILS	210	/	2	X	P	01C	60	-	VA	150	A	.	VA	150	B	-	NLE	A	-	KE	2	DT	/	U7	G
	A	B	C		D		E	F		G	H		I			L	M		L	M		N	O		P	Q	R		S	T		

A	INLET ELEMENT
	Z01-Z02-Z03-Z04

B	MAIN RELIEF VALVE
D	Direct main relief valve
W	Without main relief valve

C	MAIN RELIEF VALVE SETTINGS
	From 25 to 350 bar (360 to 5070 psi)

D	SOLENOID UNLOADING VALVE
	EV1-EV2-EV3-EV4

E	INTERMEDIATE LS PLATE
	ILS

F	VSLs SETTING
	30-110 bar (435 to 1595 psi)
	111-350 bar (1600 to 5070 psi)

G	NUMBER OF IDENTICAL CONSECUTIVE SECTIONS
----------	---

H	WORKING SECTIONS
P	Parallel circuit

I	SPOOL TYPES
01C	Double acting cylinder spool
02C	Double acting cylinder motor spool

I	NOMINAL SPOOL FLOW
50	35-50l/min @ 14-26 bar pump stand-by pressure
60	45-60l/min @ 14-26 bar pump stand-by pressure

L	AUXILIARY VALVES
VA	Antishock valve
AR	Antishock and Anticavitation valve
VR	Anticavitation valve
CV	Single/double acting conversion valve

T	PORTS
G	GAS - BSP Threaded (ISO 228)
S	SAE UN - UNF Threaded (ISO 725)

S	OUTLET ELEMENT
	U7-U7L2

R	CONNECTOR TYPE
JA	AMP JUNIOR TIMER
DT	DEUTSCH DT04-2P

Q	ELECTRO-HYDRAULIC MODULES VOLTAGE
1	12V
2	24V

P	SPOOL POSITIONINGS
KE	Electro-hydraulic proportional with stroke adjuster

O	CONTROL SIDE
A	A port side
B	B port side

N	SPOOLS CONTROLS
NLE	Manual lever box with stroke adjusters, dual manual command
SKE	Electro - hydraulic proportional and stroke adjuster

M	PORT ON WHICH THE VALVE IS MOUNTED
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