



## CDL046... STACKABLE CIRCUIT SELECTOR VALVES

The stackable circuit selector valves, type CDL.04.6, allows one single drive of 5 users with 4 elements connected in series.

As they are moved from high performances solenoids they don't need the external drainage.

Additionally, beyond having a reduced and compact dimensions, they can manage high hydraulic powers with a minimal pressure drop. The body valve is white zinc plated.

Max. pressure	250 bar
Max. flow	20 l/min
Overlap	positive
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm <sup>2</sup> /s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level	class 10 in accordance NAS with 1638 with filter $\beta_{25} \geq 75$
Weight	see "Overall dimension"

<b>CDL046...</b>	
"A09" DC Coils	CAP. I • 73
CONNECTORS STANDARD	CAP. I • 20

### ORDERING CODE

<b>CDL</b>	Stackable circuit selector valve
<b>04</b>	Size NG04
<b>6</b>	No. of way (single element)
<b>W</b>	Threaded connectors 1/4" BSP
<b>I</b>	Internal drainage
<b>*</b>	No. of elements: 1 / 2 / 3 / 4
<b>*</b>	Voltage (Tab. 1)
<b>**</b>	Variants (Tab. 2)
<b>1</b>	Serial No.

**TAB.1 - A09 (27 W) COIL**

DC VOLTAGE **	
<b>L</b>	12V
<b>4</b>	14V
<b>M</b>	24V
<b>N</b>	48V*
<b>P</b>	110V*
<b>Z</b>	102V*
<b>X</b>	205V*
<b>W</b>	Without DC coil

115Vac/50Hz  
120Vac/60Hz  
with rectifier

230Vac/50Hz  
240Vac/60Hz  
with rectifier

Voltage codes are not stamped on the plate, they are readable on the coils.

\* Special voltage  
\*\* Technical data see page CAP. I • 73

- The AMP Junior coil, the Deutsch coil with bidirectional diode and the coil with flying leads (with or without diode) coils are available in 12V or 24V DC voltage only.

**TAB. 2 - VARIANTS**

VARIANT	CODE
No variant (without connectors)	S1(*)
Viton	SV(*)
Rotary emergency button	P2(*)(**)
Emergency button	ES(*)
AMP Junior connection	AJ(*)
Bobina con fili (250 mm)	FL
with flying leads (130 mm) and integr. diode	LD
Deutsch connection with bidir. diode	CX

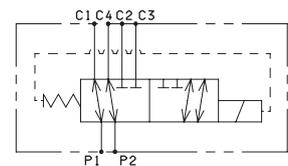
Other variants available on request.

(\*) Coils with Hirschmann and AMP Junior connection supplied without connectors. The connectors can be ordered separately, CAP. I • 20

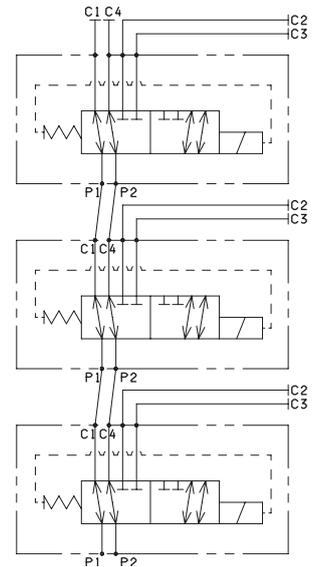
(\*\*) P2 Emergency tightening torque **max. 6÷9 Nm / 0.6 ÷ 0.9 Kgm** with CH n. 22

### HYDRAULIC SYMBOLS

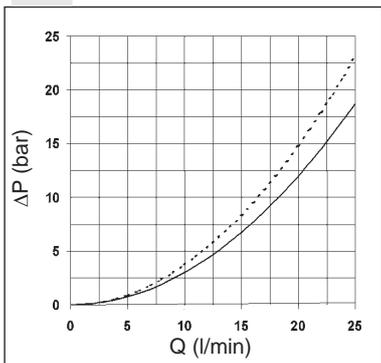
#### SINGLE ELEMENT



#### MULTI STATION CONNECTION

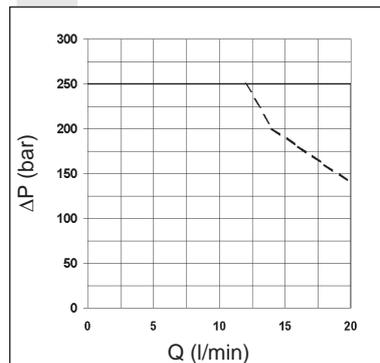


### PRESSURE DROPS



— P1 → C1  
— P1 → C2  
- - - P2 → C3  
- - - P2 → C4

### LIMITS OF USE



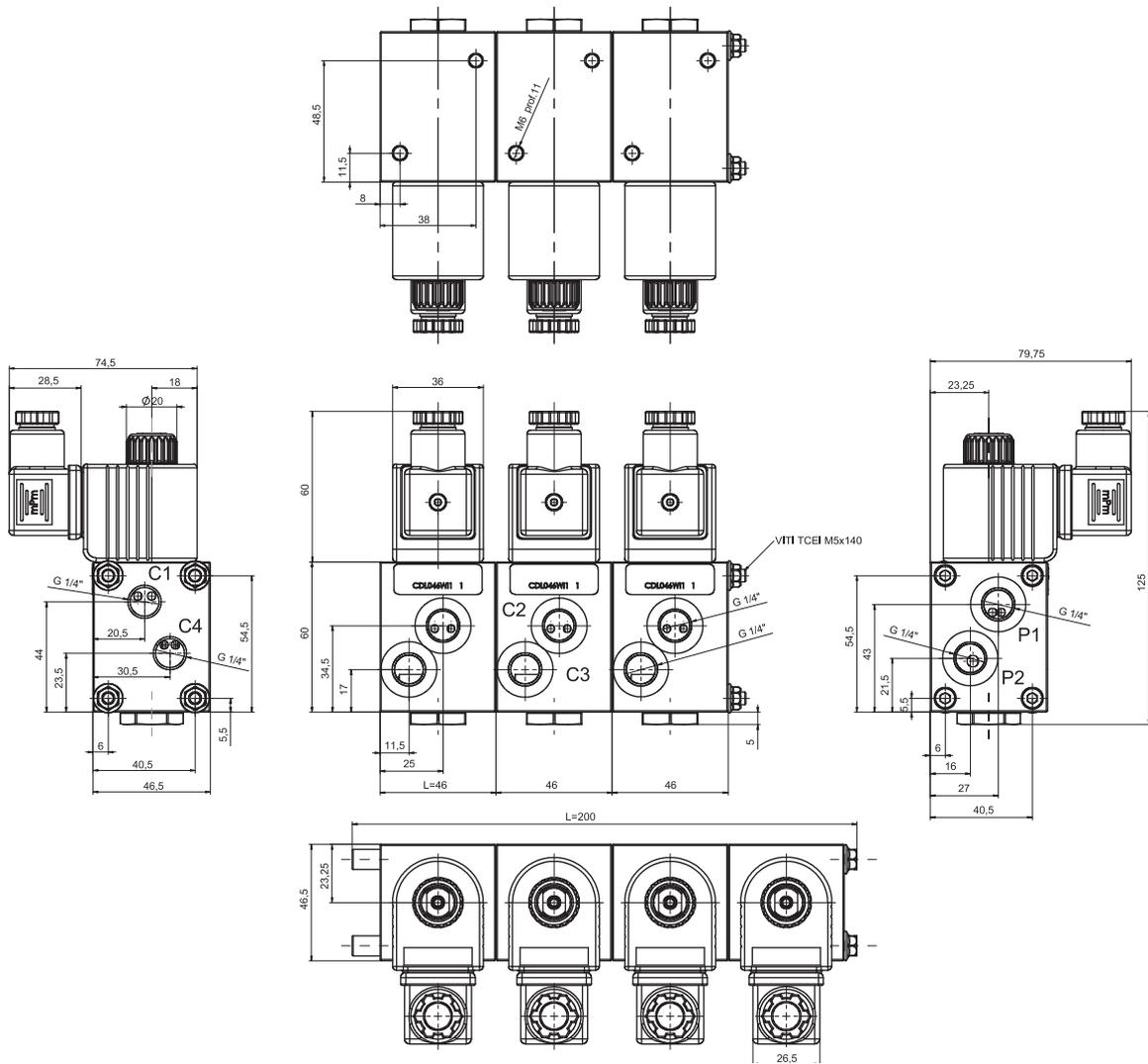
— Energizing  
- - - De-energizing

The tests have been carried out with solenoids at operating temperature and a voltage 10% less than rated voltage with a fluid temperature of 50 °C. The fluid used was a mineral oil with a viscosity of 46 mm<sup>2</sup>/s at 40 degrees C.

# CDL046... STACKABLE CIRCUIT SELECTOR VALVES

## OVERALL DIMENSIONS

1



Tighten the screws to a torque of 5 Nm (0.5 Kgm)  
Fixing screws with material specifications min. 8.8

No. of elements	No. of way	L (Length)	Weight (Kg)	Fixing screws	Kit spare part code* (rods and studs)
1	06	46	1.05	—	—
2	08	100	2.20	TCEI M5x95	V89.54.0020
3	10	145	3.30	TCEI M5x140	V89.54.0021
4	12	200	4.45	TCEI M5x194 (special rods)	V89.54.0022

(\*) For multiple composition rods and studs are available.

Support plane specifications

