



SECTION G

EXTERNAL VALVES

NG3 valves are currently under design and will be released later in 2011. Each valve requires a base modular manifold.



Bancable valves: the «new» solution to reduce power pack dimensions and weight. A and B threaded ports are machined directly on the valve body



Why aren't NG6 (cetop 3) valves available?

The micro power pack range has been designed to enhance low weight, high power density, extra small dimensions applications, all in one package. NG6 (cetop 3) valves have been designed for flows which are currently more than 10 times that of the micro power units and, notwithstanding their enormous diffusion worldwide, they are superceded today by smaller factor, high power, energy saving spool valves, like our bancable or NG3 series which offer best dimension/performance ratio.

Is it possible to manufacture special blocks with special valves combinations for specific applications?

Yes. Whenever quantities justify the investment in design and manufacturing. Ask our sales department first.

Which coils and connectors do I select for the spool valves?

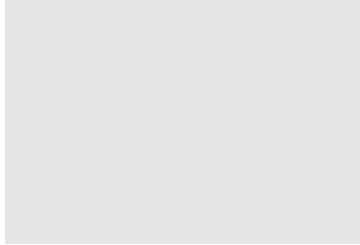
NG3 valves SD00* are planned to be driven by DC coils only. Bancable valves SD01* use DC or RAC M120 series coils. When choosing a RAC coil, a rectifying bridge connector must be chosen (KA132R***). A standard KA13200000 connector must be always used with DC coils.



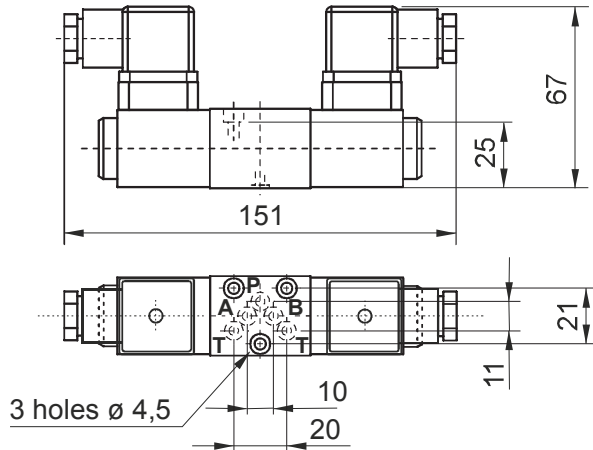
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Ciemme
hydraulic

NG3 MINI DIRECTIONAL SOLENOID VALVES



Weight: 0,7 kg (2 sol), 0,55 kg (1 sol)



Main features

Max pressure	315 bar
Max p on T port	100 bar
Max flow	15 l/min
Fixing bolts	3 TCEI M4x30. 2,8Nm torque 10.9 class steel or better
Coil insulation	Class H
Electric connection	DIN 43650-A / ISO 4400
Protection class	IP 65 / DIN 40050
Duty cycle	ED 100%
Voltage required	+/- 10% nominal voltage
Manual override	included as standard
Normatives	EN50081-1 / EN50082-2 (89/336 CEE electromagnetic comp.) 73/23/CEE / 96/68/CEE (low voltage)

Spare part code

- SD00** — NG3 mini directional solenoid valve
- A2** — Spool and scheme: see side table
- 24DC** — Supply voltage: see below table
- — Options: - = std

Supply voltage (V)	Coil voltage	Spare coil code	Spare connector code	Holding power consumption
12DC	12DC	M10040001	KA132000B1	16W
24DC	24DC	M10040002	KA132000B1	16W
24AC ^{50 Hz} 60 Hz	24DC	M10040002	KA132R11B1	16W



Double solenoid

A2*	
B2	
C2	
E2	

Single solenoid

A11C	
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Other voltages and electric connectors types (Amp Junior, flying leads,...) available on request.
 Inrush power consumption can be up to 3,5 times higher than the holding one.

* = spools with price addition. Other spools are available on request

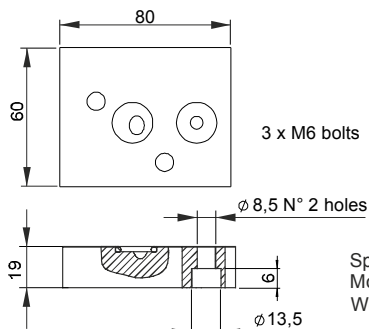


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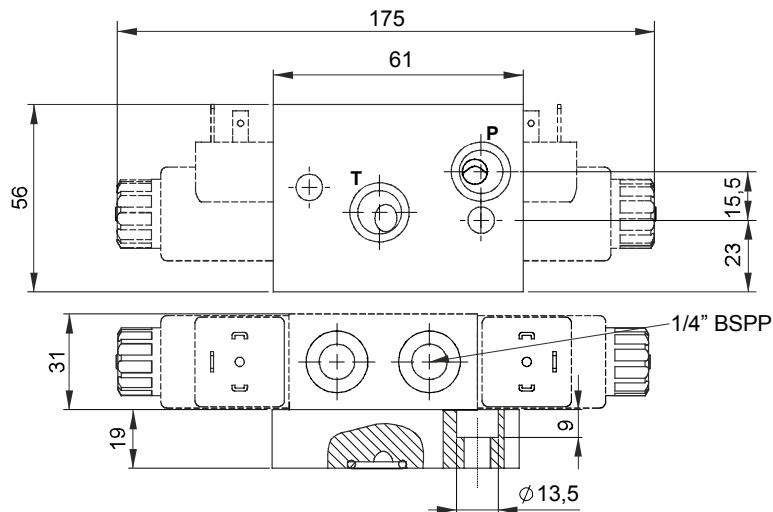
STACKABLE DIRECTIONAL SOLENOID VALVES



Mounting manifold



Spare part code: **N50403007**
 Mounting bolts 2 x M8x20
 Weight: 0,22 Kg



Weight: 0,89 Kg (1 sol.)
 1,09 Kg (2 sol.)
 Fixing system: 3xM6 tie-rods

Main features

Max pressure	250 bar
Max p on T port	210 bar static, 140 bar dynamic
Max flow	20 l/min
Fixing bolts	3 TCEI M6 x 6Nm torque. 10.9 class steel
Coil insulation	Class H
Electric connection	DIN 43650-A / ISO 4400
Protection class	IP 65 / DIN 40050
Duty cycle	ED 100%
Voltage required	+/- 10% nominal voltage
Manual override	included as standard
Normatives	EN50081-1 / EN50082-2 (89/336 CEE electromagnetic comp.) 73/23/CEE / 96/68/CEE (low voltage)

Spare part code

- SD01** — Stackable directional solenoid valve
- A2** — Spool and scheme: see side table
- 24DC** — Supply voltage: see below table
- — Position type:
- = intermediate
C = top closed

Supply voltage (V)	Coil voltage	Spare coil code	Spare connector code	Holding power consumption
12DC	12DC	M12040001	KA132000B1	22W
24DC	24DC	M12040002	KA132000B1	22W
24AC/50 Hz 60 Hz	24DC	M12040002	KA132R11B1	22W
230AC/50 Hz 60 Hz	220RC	M12040005	KA132R13B1	22W

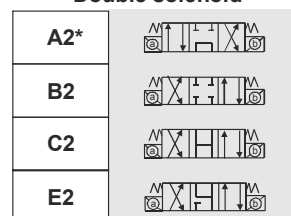
Other voltages and electric connectors types (Amp Junior, flying leads,...) available on request.

Inrush power consumption can be up to 3,5 times higher than the holding one.

* = spools with price additional. Other spools available on request



Double solenoid



Single solenoid

