

Time controlled valves

G1/4"

Function

The oscillating valve generates oscillatory actions such as vibrations, tapping or dipping in connection with double acting cylinders. If input 1 is supplied with compressed air, the compressed air is alternately applied to outlets 4 and 2. The valve switches over into a time-pulse (Forward and return strokes) that can be adjusted using 2 adjustment screws. The speed of the controlled cylinder must be adjusted separately using the bi-directional flow control valves.

It is a high-flow device which allows a double acting cylinder or analogue pneumatic equipment to automatically extend and retract without the need for limit switches. The frequency of the phases is set through the two adjusting screws which are placed at the end of the oscillating valve and protected by a cover. One screw is to set the retract dwell time and the other is to set the extend dwell time. On request the adjusting screws can be mounted on a panel in remote position.

Standard version

- OV14T Oscillations are activated by system pressure only.
- OV1TIP Oscillations are activated by a constant pilot signal at point X. This pressure can be independent to the pressure at port 1.
- OV14TIE24DC Oscillations are activated by an electrical signal with separate air supply. It is therefore necessary to apply to point X a pilot pressure (that can be of a different value to port 1) and an electrical signal at the solenoid pilot

Materials

Body: aluminium 11S
Springs: Stainless steel
Seals: NBR
Spools: Nickel plated aluminium
Internal parts: Brass OT588

Temperature range

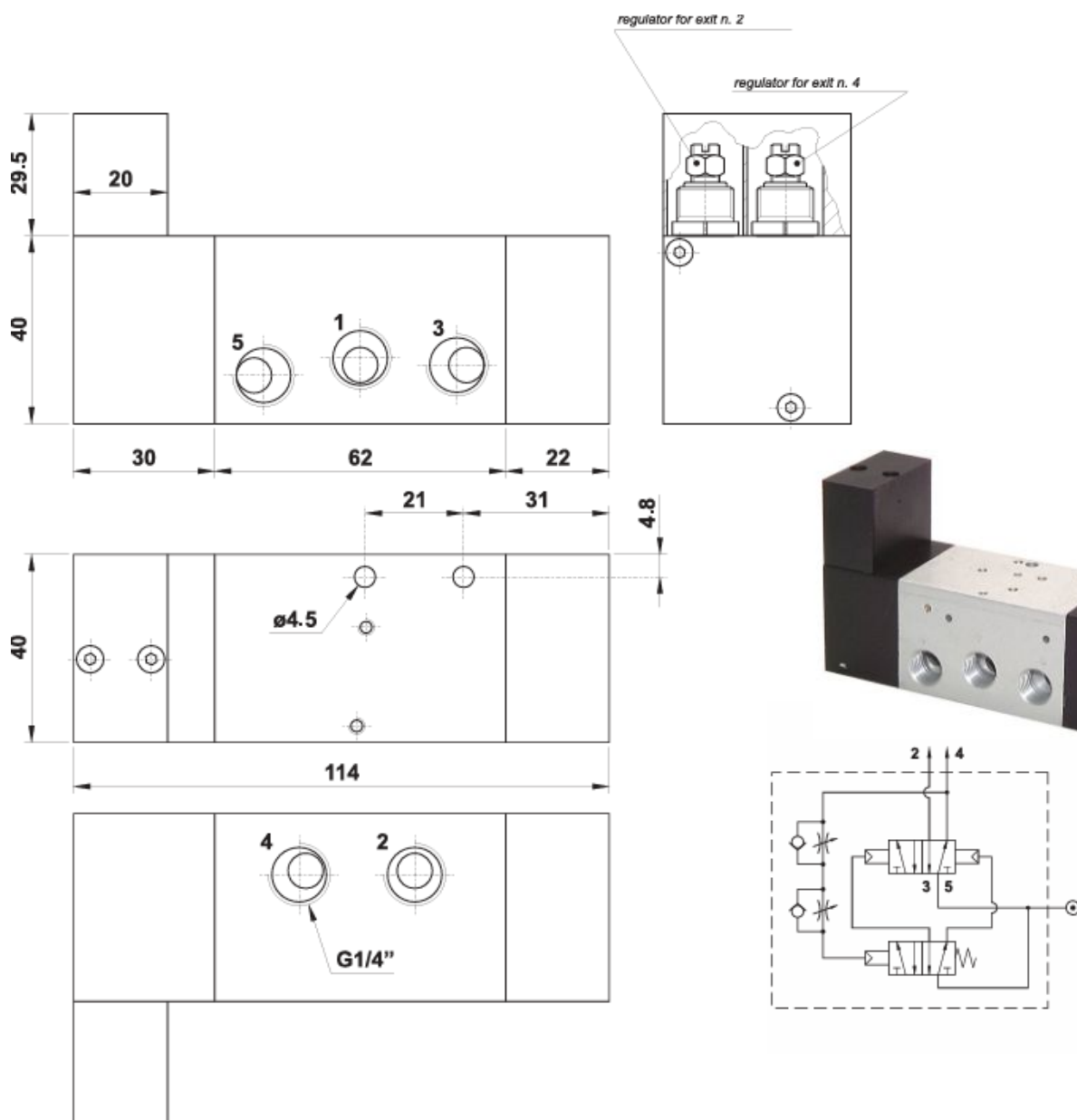
-10°C to + 60°C

Oscillation valves

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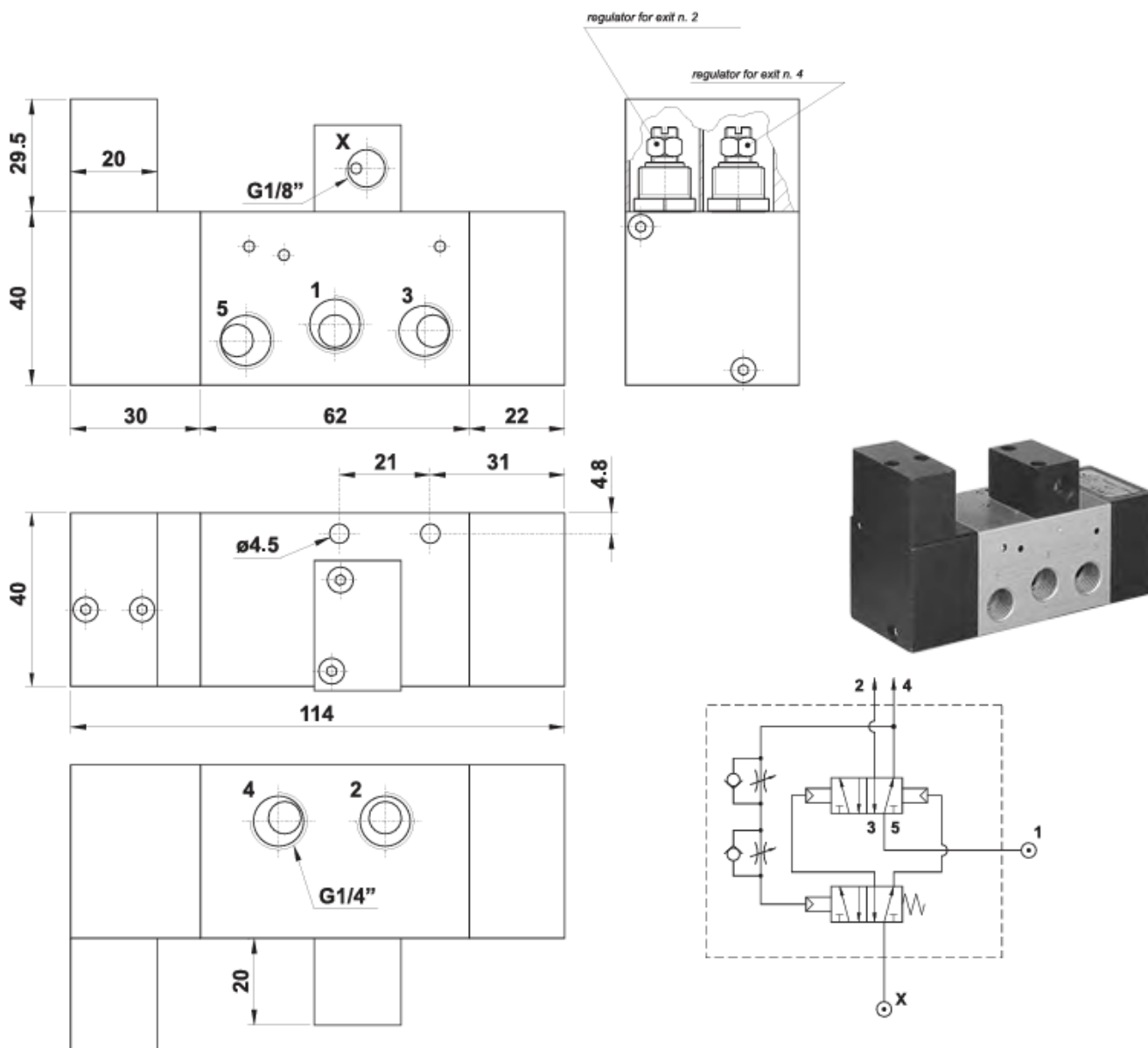
Article number	Function	Workload	Adjustable lead time	Thread	Optimal flow	Weight
OV14T	5/2	3 - 10 bar	0 - 15 sec	G 1/4"	1100 l/min.	550 g



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Article number	Function	Workload	Adjustable lead time	Thread	Optimal flow	Weight
OV14TIP	5/2	3 - 10 bar	0 - 15 sec	G 1/4"	1100 l/min.	560 g



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Article number	Function	Workload	Adjustable lead time	Thread	Optimal flow	Weight
OV14TIE24DC	5/2	3 - 10 bar	0 - 15 sec	G 1/4"	1100 l/min.	608 g

