



CODE	FLOW RATE (L/min.)	CAPACITY TANK (L)	FLOW INVERTER
CDC	6	25	✓
CDC C60-P50	11	60	✓
CDC AUTOMATIC P25	28	75	✓
CDC C120-P100	45	120	

The CDC test station has been designed to remove limestone deposits from moulds thermoregulation circuits. During the moulding process this kind of deposits, settled, obstruct the water flow limiting the cooling efficacy. The limestone itself acts as an insulation layer between thermoregulation fluid and mould. One millimeter of limestone deposit insulates as 10 mm of steel, meaning that thermoregulate a mold with limestone deposits in the circuit affect the performance as much as shifting the channels several millimeters from the molding surface.

The CDC test station is provided with two tanks, one containing solvent liquid while the other containing passivating liquid. The first liquid descales the calcareous deposit, while the latter restrains the corrosive action of the solvent occasionally left in the circuit. The CDC is completely pneumatic and equipped with a cooling circuit automatic emptying device.

The CDC machine is able to clean the circuits as long as a minimum solvent flow rate is guaranteed. If the channel is completely closed it is not possible to work with the CDC machine.

In order to optimize the cleaning performance of the CDC equipment we suggest to clean the thermoregulation circuits one by one to guarantee solvent flow rate where needed. If more circuits are connected in parallel the solvent automatically flows where the pressure drop is lower and the cleaning efficacy will be lower in the obstructed channels.

In case of standard maintenance it is however possible to use a CDC with higher flow rate able to feed more circuits at once. With such purpose the CDC C120-P100 has been developed.