
LIQUID DISPENSER DC 200 series USER MANUAL

Made in Germany



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2. DESIGNATED USE:

The DC200 Liquid dispenser series can be delivered with different options, which can have a little technical difference. Because of this, in the following user manual is only spoken about the DC200 controller.

The liquid dispenser DC200 is used for precise controlling of pneumatic controlled dispensing, for example dispensing out of 3 – 55cc cartridges.

With the integrated air pressure regulator, the air pressure on the material can be set very exactly.

3. FOR YOUR SAFETY:

WARNING:

- If the DC200 is used for other functions as in this manual described, it could come to personal or material damage. Use the DC200 controller only to the functions, which are explained in this user manual. VIEWEG GmbH is not responsible for personal or material damages, which happen because of incorrect using and no designated use.



- No designated uses are:
- Modifications at the DC200, which are not recommended in this user manual.
- Using of defective or not compatible spare parts.
- Using of not allowed accessoires.

SAFETY PRECAUTIONS:

- The DC200 works with 100 – 240V AC voltage. By touching the 100 – 240V AC voltage, there exists danger of life !! Because of this, the DC200 must be disconnected from the AC input cable, before opening the housing. It is only allowed for authorized electrical experts to open the housing.
- Use the DC200 only with the max. described and allowed power / settings.
- Always wear useful protection clothing.
- More details for using the dispensing material, please see the safety data sheets of the dispensing material.
- No smoking or fire by using flammable material.
- The DC200 is only allowed for using inhouse.

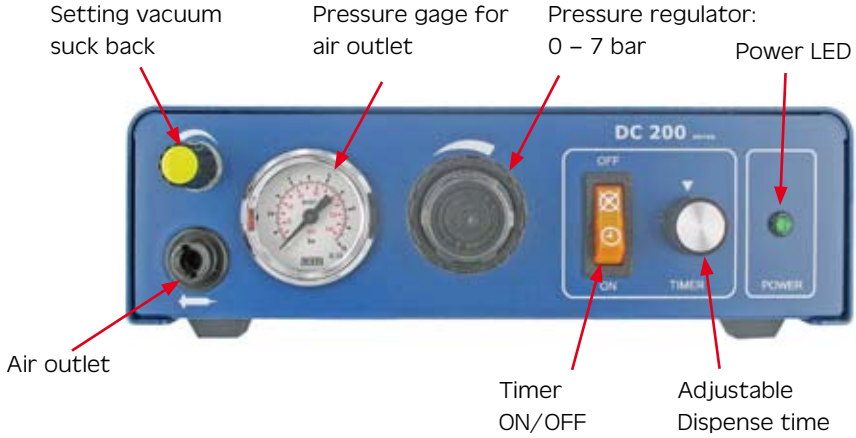


4. TECHNICAL DATA

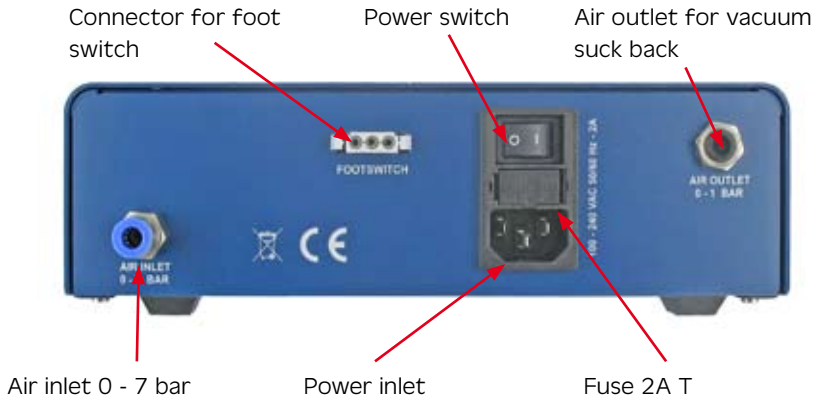
Measurements	235 x 225 x 75mm		
Weight	ca. 1,25 kg		
Power supply:	85 – 264V AC 50/60Hz		
Internal voltage	24V DC		
Air inlet	0 ... 7 bar		
Air outlet	Cartridge = working pressure		
	DC215: 0 ... 1 bar (pressure regulator)		
	DC270: 0 ... 7 bar (pressure regulator)		
Dispense time	0,01 - 31 seconds		
DIP Switch settings: bottom of housing	#1	ON	= 0,02 - 20,0 sec
	#2	ON	= 0,1 - 10,0 sec
	#3	ON	= 0,01 - 1,0 sec
	#1,2,3	ON	= 0,3 - 31,0 sec
	#1,2,3	OFF	= 0,05 - 0,4 sec
	#4	Initiate Mode	
		ON	= maintained
		OFF	= momentary
Model types	DC215: 0 ... 1 bar (pressure regulator)		
	DC270: 0 ... 7 bar (pressure regulator)		

4.1 PARTS & DESCRIPTION

[Front side]



[Back Side]



5. Parts of Delivery:

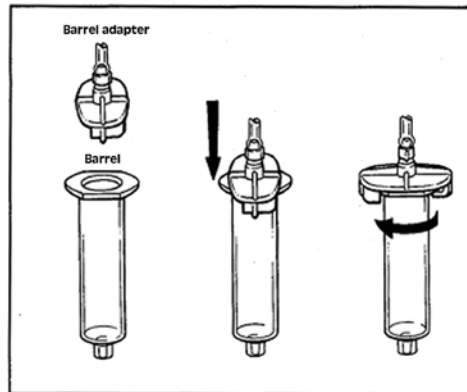
- DC200 Liquid Dispenser
- Power Inlet Cable
- Tube for Air Inlet
- User Manual
- Cartridge holder
- Accessories (see following list)
- Tip assortment - small

Qty.	Description	Part.-no.	Reorder Qty. per pkg.
1*	Power cable – 230V	C-0043	1
1*	Cartridge holder	C-0041	1
1*	Air inlet tube	C-0042	1
1*	Foot switch with cable	C-0040	1
1*	Cartridge adapter 30cc	560004A	1
1*	Cartridge adapter 5cc	560003A	1
3*	Cartridge 30cc	560002E	10
3*	Cartridge 5cc	560001A	10
3*	Piston PE 30cc	560552	10
3*	Piston PE 5cc	560550	10
1*	Tip assortment small	990062-K	1

* Included in delivery

6. Start & Operation

- Connect the power inlet cable to the Power inlet connector on the backside.
- Connect the Air Inlet tube from the compressor to the Air Inlet at the backside of the DC200.
- Connect the Foot switch (opt.: – C-0040) or the dispense cable of the dispense robot to the foot switch connector in the backside of the DC200.
- Switch ON the liquid dispenser. The green POWER-LED lights. The device is now ready for work.
- Connect the cartridge to the adapter like following diagram:



- Connect the air tube of the cartridge adapter to the air pressure output of the DC200 and adjust the pressure for the cartridge on the front side with the pressure controller.
- Adjust the Vacuum to reduce material dripping.

- Select MODE on the switch on the front side:

Timer OFF: The DC200 dispenses as long as the foot switch is applied.

Timer ON: The DC200 dispenses as long as the timer is adjusted.

A short apply on the foot switch is enough.

- Setting the dispense time in Timer mode:

With the potentiometer on the front plate (Scale 0 – 10), the dispensing time can be adjusted. 4 timing ranges are available, which can be selected with the DIP-switch at the bottom of the controller housing:

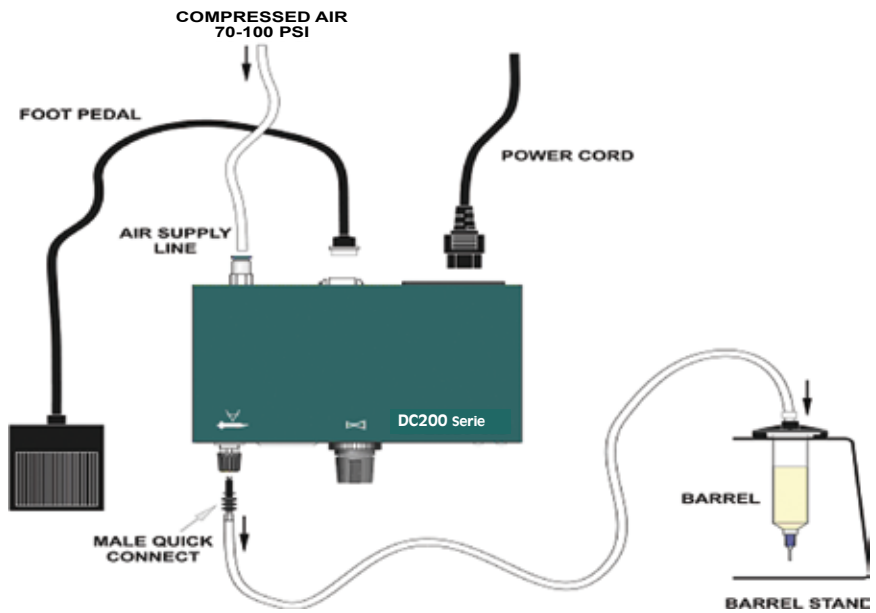
4 time ranges:



#1	ON = 0,02 - 20,0 sec
#2	ON = 0,1 - 10,0 sec
#3	ON = 0,01 - 1,0 sec
#1,2,3	ON = 0,3 - 31,0 sec
#1,2,3	OFF = 0,05 - 0,4 sec
#4	Initiate Mode
	ON = maintained
	OFF = momentary

Connections

After you have done all connections, it should look like follows:



7. Electrical Connections

7.1 Foot switch:

pins: connection between Pin 1 + 3 starts dispensing

Foot switch:

The Foot switch input gets activated if the input is set to GND. It is NOT Allowed to input a Voltage. This may damage the control input !

8. Maintenance and cleaning

The DC200 is maintenance free

Repairs should only be done by the manufacturer.

Clean the DC200 liquid dispenser only with a clean, smooth and dry cloth.
Do not use dissolver material to clean the DC200 controller. The foil at the front- or back plate or the housing paintings can be destroyed.

9. Disposal



Dispose the product after the economic life-time according to the legal requirements.

10. Declaration of conformity:



Dosier- und Mischtechnik

CE Konformitätserklärung

- EG-Niederspannungsrichtlinie 2006/95/EG
- EG-Richtlinie Elektromagnetische Verträglichkeit 89/336/EWG und 2004/108/EG

Hiermit erklären wir, dass das folgend genannte Produkt den Bestimmungen der oben gekennzeichneten Richtlinien und aufgrund seiner Konzipierung und Bauart, sowie in der von uns in Verkehr gebrachten Ausführung den einschlägigen Bestimmungen entspricht.

Produkt: **Dosiergerät**
Typ: **DC 200 Serie**

Hersteller: **VIEWEG Dosier- und Mischtechnik**
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Folgende harmonisierte europäische Normen wurden angewandt:

- DIN EN ISO 61000-6-3 Störaussendungen
- DIN EN ISO 61000-6-2 Störfestigkeit



Kranzberg, 07.07.2011

Till Vieweg, Geschäftsführer



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