



PRESSURE CONTROL UNIT MODEL CD10

INSTRUCTION LEAFLET

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DESCRIPTION

The C-Dax Pressure Control Unit CD10 is a pressure control unit with variable pressure adjuster; dump valve and multiple outlet facility fitted. It allows the spraying pressure to be controlled by setting a maximum spraying pressure with the adjuster knob while returning the unused portion of the pump flow back into the spray tank.

The dump valve is intended to unload controller pressure during periods of fluid recirculation.

The control unit is supplied with three or four outlet valves for connecting spraying equipment. It is not intended to provide effective agitation of the tank contents, although the recirculation provided may be of assistance in this regard.

The unit is available with different gauge options depending on the system configuration to which the unit is fitted, e.g.; low pressure gauge (145 psi) for boom spraying only, high pressure gauge (580 psi) for hand gun spraying only, non linear gauge which has an expanded scale from 0-6 bar and a compressed scale from 6-25 bar for boom spraying and hand gun spraying.

SPECIFICATIONS

Weight	1.8 KG
Max flow	110 litres/minute
Max press	725 psi (50 bar)
Body	Cast metal
Regulator	Diaphragm type
Ball valves	Brass
Inlet port	3/4" BSP Male
Bypass port	1" BSP Male
Outlet ports	1/2" BSP Male
Gauge port	1/4" BSP Female

Part No.	Description	Outlets	Gauge
4500-1510	CD10-3	3	580 psi
4500-1515	CD10-4	4	580 psi

WARRANTY

1 WARRANTY AND LIABILITY

Use of the equipment

- 1.1 You must satisfy yourself as to the suitability of the equipment for your intended use(s) of the equipment.

Your relationship with the retailer

- 1.2 Where you consider you have a warranty claim (or any other claim) in relation to the equipment, you must contact the retailer who sold you the equipment, not C-Dax directly. The retailer is responsible for liaising with C-Dax in respect of your claim.

Warranty

- 1.3 C-Dax warrants to the original purchaser that the equipment is sold free from defects in materials and workmanship for a period of 12 months from date of first retail sale (6 months from date of first retail sale if the equipment is sold in the U.K.) subject to the terms set out below.
- 1.4 C-Dax will at its option repair or replace the defective equipment (or part of the equipment) or notify the retailer of the equipment to refund the purchase price for such defective equipment to you in the event of a breach of this warranty, subject to the terms set out below.

Liability

- 1.5 Except for the warranty set out in clause 1.2 above, all warranties and representations (including those expressed or implied by law) in respect of the equipment or advice relating to the equipment provided to you by C-Dax are excluded to the extent permitted by law.
- 1.6 Notwithstanding anything else in this manual, C-Dax's maximum liability to you (in the event that such liability exists) in respect of any breach of warranty, any matter set out in this manual, or for defective equipment or advice relating to the equipment provided is limited at C-Dax's option to:
- (a) repairing or replacing the equipment (or part of the equipment); or
 - (b) notifying the retailer of the equipment to refund the price for the equipment paid by you.
- 1.7 Notwithstanding anything else in this manual, in no event will C-Dax be liable, whether in contract, tort (including negligence) or otherwise:
- (a) where you have altered or modified the equipment, misused or misapplied the equipment, or the equipment has been subjected to any unusual, excessive or non-recommended use, service or handling (including as set out in this manual);
 - (b) where the equipment is not transported, stored, handled or used in accordance with any directions given by C-Dax (or the retailer) to you (including as set out in this manual);
 - (c) where the equipment:
 - (i) has been subject to neglect, accident or hireage, or the damage arises from fair wear and tear, battery damage or chemical attack;
 - (ii) has been built to a customer's specifications; or
 - (iii) has been dismantled, repaired or serviced other than by an authorised service agent of C-Dax;
 - (d) for loss or damage caused by any factors beyond C-Dax's control; or
 - (e) for any loss of profit or revenue, or for any special, indirect, incidental or consequential damage, loss or injury of any kind suffered by you.
- 1.8 Where C-Dax elects to repair or replace the equipment it will use reasonable endeavours to do so as soon as practicable but will not be liable for any delay in doing so.
- 1.9 You agree that the transactions entered into between you and the retailer (and C-Dax) are for the purposes of trade and that, having regard to all relevant circumstances of the transactions, it is fair and reasonable that the provisions of the Consumer Guarantees Act 1993 (NZ) do not apply to those transactions to the fullest extent permitted by law.

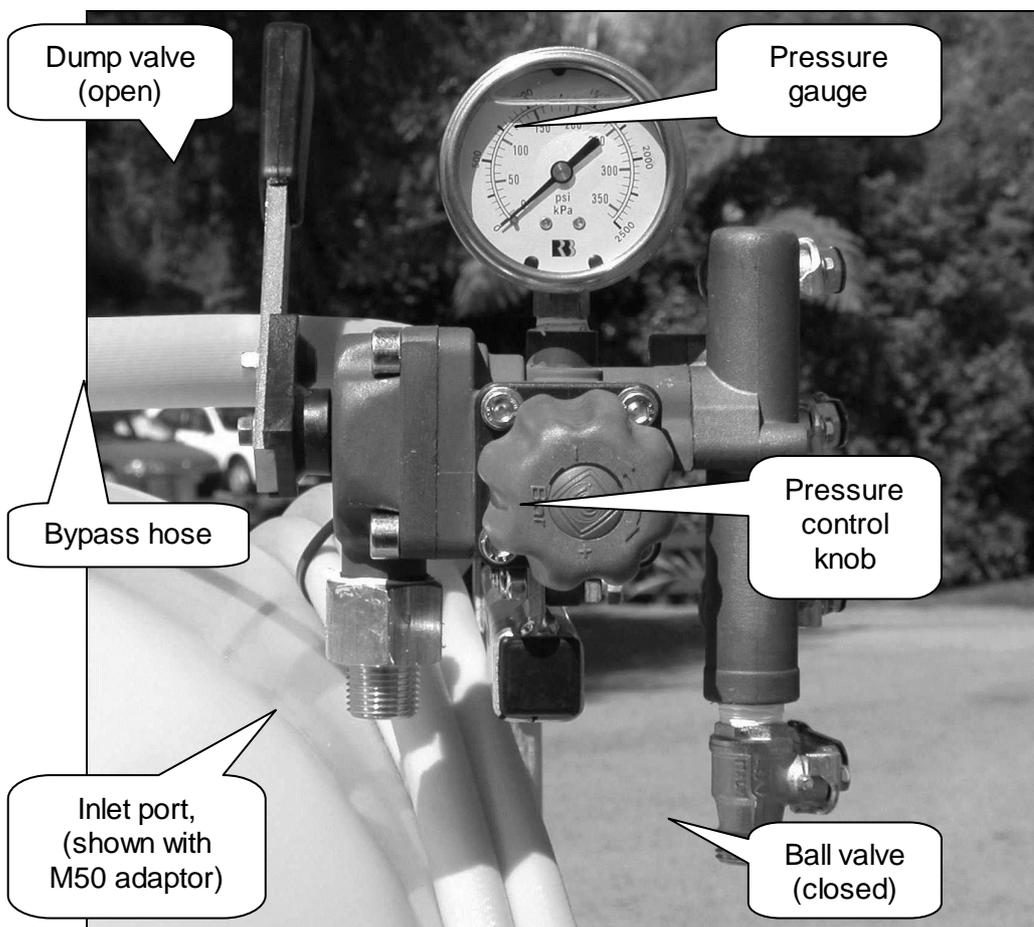
INSTALLATION (If not already fitted)

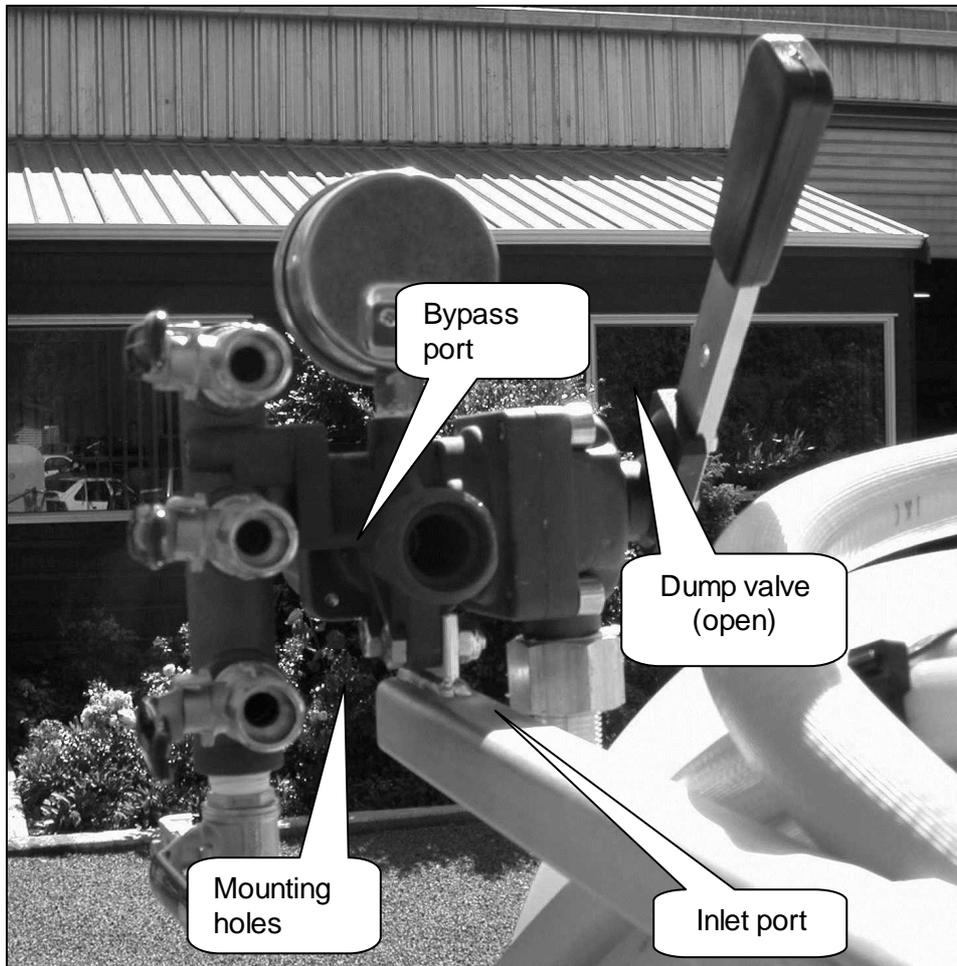
Secure the CD10 to a convenient surface within reach of the operator's position using the mounting holes and M10 fasteners (not supplied).

Connect the outlet hose from the pump to the inlet port at the bottom of the CD10, secure tightly to prevent leakage.

Connect bypass hose from the bypass outlet at the rear of the CD10 to be returned into the spray tank.

Connect the delivery hose(s) from the ball valve outlets of the CD10 to the spraying apparatus. These may be turned off or on by turning the black lever on the ball valve/s.





OPERATING INSTRUCTIONS

Caution

This procedure must be followed every time the pump is operated to prevent excessive system pressure build up.

1. Screw the red pressure control knob fully open (counter clockwise) and close all ball valves.
2. Move the black dump valve lever to the rearward 'Dump' position.
3. Switch the pump on and let the fluid recirculate to the tank.
4. Move the black dump valve lever to the forward 'Closed' position.
5. Open a ball valve, operate the spray gun (if fitted), and adjust the tip for the required spray pattern
6. Screw the control knob in (clockwise) until the desired spraying pressure is reached.

Warning

To avoid damage to the pressure gauge, **DO NOT** exceed the rated pressure on the gauge during any operation.

Shutdown

When spraying has finished and/or before each time pump is turned off:

1. Move the black dump valve lever to the rearward 'Dump' position.
2. Screw the red pressure control knob fully open (counter clockwise).
3. Proceed with cleaning procedure.

MAINTENANCE

Cleaning

To rinse the pressure control unit, screw the pressure control knob out and allow fluid to recirculate through the unit to the tank. At the end of each rinse, increase the spraying pressure and allow fluid to spray from the spray apparatus. A triple rinse is recommended.

TROUBLE SHOOTING

Pump will not prime	Ensure that the pressure control knob is wound open to let any trapped air escape.
Hose bursts or blows off when ball valve closed	Inlet and outlet hose(s) connected incorrectly. Ensure inlet hose connected to inlet port on bottom of controller and outlet hose(s) to outlet port(s) on rear of controller.