By far the most humane

INSTRUCTION MANUAL

INJECTION PISTOLS
CO2/AIR PRESSURE

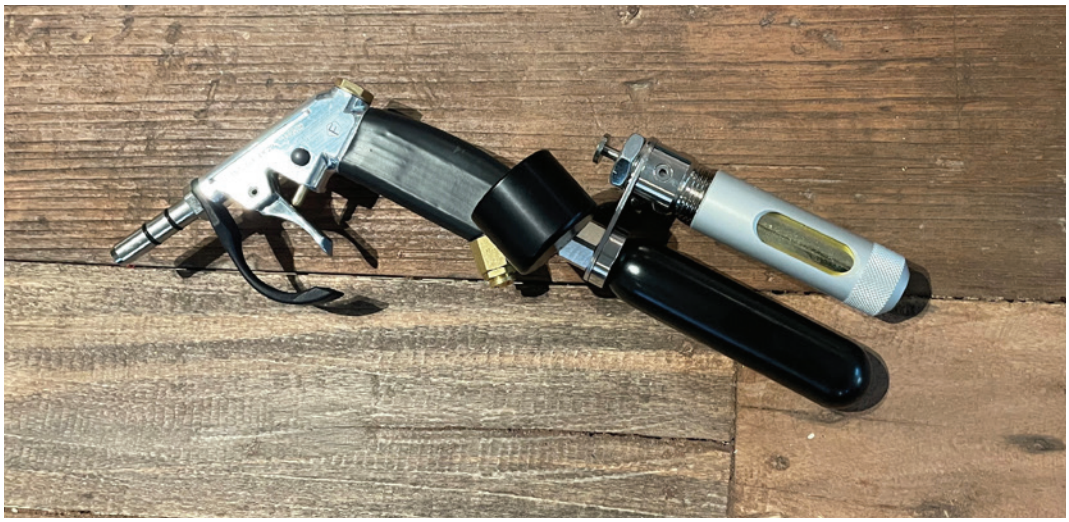
Professional and humane equipment
for immobilization and treatment

DANiNJECT | Olgas Allé 4 | DK-6000 Kolding | Denmark
P: +45 75 86 90 70 | mail@daninject.com | **www.daninject.com**

Designed and produced
in Denmark

MODEL

Product No.
PICO2



Product No.
PI

The DANiNJECT Dart Pistol

The DANiNJECT Dart Pistol operates on CO2 or air pressure from less than 1 up to 12 bars of pressure. The pistol operates on a pressure system similar to the DANiNJECT rifle.

The pistol system is recommended for distances of 1 to 20 meters.
The DANiNJECT rifle is recommended for longer ranges (1-60 meter).

The DANiNJECT Dart Pistol has all metal construction (no plastic parts). It features an adjustable pressure valve system with pressure gauge, trigger-style pressure release, quick releaser fitting for connection to the CO2 powerlet or the foot-air pump, an 11 mm diameter smooth bore barrel. The barrel is 90 centimetres in length. The barrel is used for the 1.5 and 3.0 ml darts. A 13 mm barrel is available for 5.0 and 10.0 ml capacity darts.
The DANiNJECT Dart Pistol can be pressurised with either a multiple shot C02 powerlet or mechanical foot air pump.

Directions for use

Gas pressure is supplied to the DANiNJECT Pistol through a one-way valve from a 16 grams C02-cartridge or mechanical foot air pump. The pistol may be pressurised up to 12 bars pressure.

The recommended pressure required to propel a loaded dart is indicated in the following table:

	Targeting with 1.5 cc dart filled with 1.5 ml	Targeting with 3.0 cc dart filled with 3.0 ml
Meters	**Bars**	**Bars**
5	2	2-3
10	3	3-4
15	5	5
20	6	7
25	7	8
30	9	10

These pressures and distances are recommended. Pressure may be increased or decreased by individual preference. For example, higher pressure at the same distance will provide greater dart velocity, lower mid-range trajectory and greater impact on contact with target. Lower pressure is recommended whenever possible for safe humane injection.

Practice is recommended at varying distances and pressure.

Use of Pistol with foot air pump: Model PI

When using foot air pump, always read the pressure directly on the pressure gauge on the pistol. **Do not** read the pressure from the gauge on the foot pump.

After pressurising the pistol, the foot pump may be disconnected at the quick release fitting on pistol handle or it may be left connected when the pistol is fired.

CAUTION: When disconnecting the foot pump air line under pressure from the quick release fitting, hold air line in one hand while depressing the quick release fitting on the pistol handle with your other hand. Air pressure may be pumped to precisely the desired pressure from the foot pump or to a greater pressure than needed, up to 12 bars. To obtain the required pressure for the distance, open the green plastic valve to vent pressure from the system. Close the valve when desired pressure is indicated. If too much pressure is accidentally released, it is necessary to increase pressure by pumping more air pressure into system from the foot pump.

Use of Pistol with Co2: Model CO2PI

The DANiNJECT CO2 Pistol unit uses small 16 grams CO2-Cartridge.

Instruction of Loading CO2-Cartridge:

1. Remove CO2-Cartridge holder from valve assembly unscrewing counter clockwise.
   CAUTION: Do not remove CO2-Cartridge holder containing Co2-Cartridge under pressure. Only remove CO2-Cartridge holder after all pressure is released.

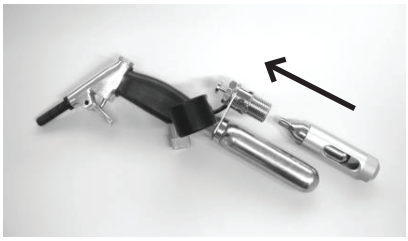
2. Place 16 grams CO2-Cartridge into holder with small neck end of CO2-Cartridge in position to be punctured when CO2-Cartridge holder is attached to valve unit.

3. To attach CO2-Cartridge to valve, attach holder containing CO2-Cartridge to valve and turn clockwise two full turns.

4. To assure best contact of CO2-Cartridge with puncture needle in valve invert pistol to locate CO2-Cartrdige over needle and continue to thread CO2-Cartridge to a snug position in holder. CO2-Cartrdige should be in snug position over puncture needle (at this point CO2-Cartridge does not tattle inside the holder).

5. To puncture CO2-Cartridge quickly tighten holder turning clockwise. There may be a short hiss of escaping CO2 pressure as the cartridge is punctured.
   IMPORTANT: Quickly continue to tighten cartridge holder over CO2-Cartridge to assure complete seal of CO2-Cartridge against rubber seal in base valve.

6. To pressurise pistol, make sure green valve adjustment valve is closed. Depress piston valve on top of unit. CO2-Cartridge is precisely delivered into gas reservoir on pistol. The pressure is monitored directly on pressure gauge on left side of pistol grip.
   The pistol may be pressurised from less than 1.0 to 10-12 bars.



If pistol is pressurised greater than the pressure required for that distance, reference table on reserve side. Excess pressure is released from pistol by slowly opening green valve on front lower pistol grip when desired pressure is reached, close green valve. If too much pressure is released, pistol can be quickly recharged by depressing the piston valve recharging pistol to desired pressure. When system is pressurised, it is ready to fire.
CAUTION: *Place barrel loaded with dart on pistol only when ready to fire dart at target. If dart is not fired remove barrel from pistol. Pressure may be left on pistol indefinitely. However,* ***Do not*** *store pistol devise under pressure, release when not in use.*

CAUTION: *Do not remove CO2-Cartridge from pistol under pressure.*
CO2-Cartridge should only be removed after all pressure has been released.

Loading Barrel

The barrel is removed from the pistol with a slight rotation and pull. The barrel connection with the pistol is sealed with a black rubber “O” ring. This “O” ring seal should be replaced when loose fitting is indicated. Extra “O” rings are provided with each new pistol.
New “O” rings are also available from DANiNJECT and DANiNJECT Authorised Agency.

The dart is placed into the back of the barrel and inserted to a depth equal to the length of the barrel connection to the pistol (approximately 3 centimetre). Insertion of dart can be accomplished with a deventing pin, tweezers or pencil, etc. Place loaded barrel on pistol for firing. If dart is not fired, remove loaded barrel from pistol. Dart may be removed from barrel with a pair of tweezers.

Sighting

To sight pistol point barrel at target. The sight picture will vary depending on distance being fired and individual technique for holding pistol. For increased accuracy, use both hands for sighting pistol. Hold pistol in right or left hand while resting barrel in hand of extended arm. A rest for barrel such as a fence, car door, tree etc can be very beneficial for sighting pistol. Sight down barrel. The amount of barrel viewed will become the reference picture required to consistently hit the target in the area desired.

IMPORTANT: Lower pressures fire dart at a higher trajectory, slower velocity, lower impact, less risk of tissue trauma and injury to target. Firing injection dart at high pressure produces flatter trajectory, greater velocity, greater impact at target, more tissue trauma and risk of embedding dart in tissue.

To fire pistol

Pull trigger evenly and quickly. Do not squeeze trigger slowly as recommended for firing a conventional firearms.

Maintenance

Keep bore of barrel clean. It is recommended that barrel be cleaned after 5-6 shots and after use before storage. To clean barrel, pull swab attached to string with weight through barrel 2-3 times. Do not oil inside bore of barrel.

Replace “O” ring-seal on barrel connection to pistol needed. A loose fitting of barrel to puistol indicates that “O” ring should be changed. Keep pistol clean and free of dust. No additional maintenance is required. If any part of the pistol becomes damaged or malfunctions, contact DANiNJECT or DANiNJECT Authorised Agency for complete service and repair.

Precautions

- No trigger safety on pistol.
- No pressure in pistol when loaded barrel is attached to pistol.
- **Do not** place loaded barrel on pistol until ready for use.
- Keep barrel clean and dry. **Do not** oil inside of barrel.
- **Do not** store pistol loaded with pressure.
- **Do not** exceed 12 bars pressure on pistol.

DANiNJECT ApS and DANiNJECT Authorised agency assumes no liability for any accident or misuse of the DANiNJECT Dart Pistol.