

# F O R E W O R D

This gun is a constructional improvement of the HYDRA II gun, that is the first and only pneumatically hydraulically operate gun made in the world.

The improvements made on the former model, that nevertheless keeps being quite handy and functional, are :

- 30% more power, loading effort being the same
- higher loading speed
- possibility to adjust the supply of compressed air up to a maximum storage at 40 atmospheres.

The gun meets the following specifications:

- adjustable power
- least effort and highest yield
- output power

70 atmospheres for the normal gun

100 atmospheres for the gun with compressor.

- actual straight firing distance underwater ranging from 1 to 15 meters. Initial power and speed at least three times as great as those of the most powerful hand loaded gun. At least equal to those of powder guns.
- internal elements easy to reach for routine upkeep
- quick and secure upkeep for limitless life of the gun
- easy disassembling (by hand and with a few tools) for any repair due to the chamber holding the compressed air
- possibility to restore the air pressure by means of a suitable feeder, connected with the diving cylinders
- firing precision due to the high initial speed and to the spear being centered and guided until and after it gets out of the tube.
- possibility to stop loading and restart later with no loss of the stored energy
- owing to the compressor, easy loading to maximum power underwater
- easy fitting or removal of the compressor to the gun.
- universal application. Lair hunt with gun equipped with short tube. Conventional use, and possibility of use from aboard a boat to shoot at large preys.
- structure and operation meeting the federal requirements to participate to dive hunt competitions.