



*Manuale d'istruzioni*  
*User's Guide*  
*Bedienungsanleitung*  
*Manuel d'utilisation*  
*Manual de instrucciones*  
*Manual de instruções*  
*Gebruikershandleiding*  
*Användarinstruktioner*  
*Οδηγίες χρήσης*  
*Käyttäjän Opas*  
*Instrukcja użytkowania*  
*Felhasználói útmutató*

JET

# COMPRESSED-AIR LOADED SPEARGUNS JET

## ⚠ WARNING

Carefully read this instruction manual before use, and keep it for future reference.

## INTRODUCTION

Congratulations! You have purchased one of the most sophisticated and reliable spearguns available on the market. Your speargun is the end result of years of relentless development. It has been created using state-of-the-art manufacturing processes and materials.

High technology coupled with the guarantee that every single part of your speargun was manufactured in our very modern factory located in Rapallo means "reliability", which is a must for every diving product and something that you can find in all Mares' products.

## WORKING PRINCIPLE OF AIR COMPRESSED GUNS (FIG. 1)

The air contained in tank "S" is pre-compressed through valve "V" by means of an appropriate pump. Pushing piston "P" with the help of the shaft along barrel "C", increases pressure in the tank "S" until piston "P" hooks to the catch hook "A". By pulling the trigger, the piston is released and undergoes violent compressed air expansion until it stops against barrel head "T", forcing the shaft, kept in the piston by simple friction, to shoot out.

The advantage of this type of speargun is that it provides very high power in a compact design.

## TECHNICAL CHARACTERISTICS

- Buoyancy of the gun without shaft.
- Power regulating system (CR models).
- Patented line release.
- Technopolymer shock-absorbing piston and bushing.
- Fast-hook shaft holder.
- Interchangeable-point 8 mm diameter shaft.

## DIRECTIONS FOR USE

### GUN LOADING (FIG. 2)

To load the speargun, keep it against your thigh or foot, according to the required length.

## ⚠ DANGER

For your safety and to prevent gun damaging, never load nor shoot while the gun is out of the water.

### POWER REGULATING DEVICE (ONLY ON CR MODELS)

Thanks to its power regulating device, the speargun can be used either with **MINIMUM** (position A, Fig. 4) or with **MAXIMUM** pressure setting. (Position B - Fig. 4). Shaft loading is easier if power is set to the minimum position.

## TANK PRESSURE

The gun is loaded at a basic power pressure that can be adjusted manually. The operating pressure will be adjusted depending on the type of shaft used.

## ⚠ WARNING

Avoid exerting pressure on the sides of the speargun when pumping air into the tank (Fig. 5).

## ⚠ IMPORTANT

The values shown in the table are referred to a fully unloaded speargun. Thus, for instance, only 320 pump strokes - and not 720 - are required to cause a 70 cm long to go from 20 bar to 30 bar.

## ⚠ IMPORTANT

Whenever you wish to either change or to reset the speargun operating pressure, set the power regulating device in position B (maximum power) (Fig. 4), to pressurize the gun using the pump.

To decrease pressure, just depress valve "V" using a needle. Air release must be slow to prevent any oil from leaking. If the speargun must be totally emptied, keep it with the barrel pointing downward for a while. For a more accurate pressure reading, Mares' gun pressure gauge is recommended.

## TRIGGER SENSITIVITY CONTROL

The trigger mechanism is sized to offer outstanding sensitivity, even at the highest operating pressures. Its sensitivity can be adjusted by modifying the height of the trigger screw "R" (Fig. 1). Sensitivity is increased by tightening the screw and decreased by loosening it.

## ⚠ DANGER

Whenever adjusting the trigger sensitivity, check that the piston is perfectly hooked. Actually, over-adjustment may cause piston hooking to fail.

## SHAFT HOLDER (FIG. 3)

The speargun shaft is stored in a simple and practical way using a hole on the handle (without reel) and a quick snap device on the bottom of the nose cone.

## MAINTENANCE AND CARE

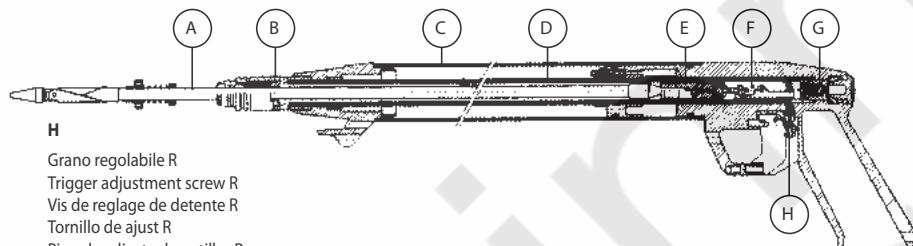
- Rinse the speargun with fresh water after each dive.
- Do not store the speargun near heat sources and do not expose it to sunlight.
- Divers are advised to submit their spearguns for servicing every two years or 100 hours.

## ⚠ DANGER

To keep your gun in top operating conditions, it should be serviced only by an authorized MARES' SERVICE CENTER.

Model	Length (cm)	Tank pressure (bar)				
		10	15	20	25	30
MINIMI	42	50	100	150	180	220
MINI	58	130	150	290	380	500
MEDI	70	190	250	400	540	720

A	B	C	D	E	F	G
1 Asta	Testata T	Serbatoio S	Canna C	Pistone P	Aggancio A	Valvola V
Shaft	Head T	Tank S	Barrel C	Piston P	Catch hook A	Valve V
Flechē	Tete T	Reservoir S	Canon C	Piston P	Gachette A	Soupape V
Flecha	Boca T	Deposito S	Canon C	Piston P	Fiador A	Válvula V
Flecha	Batente T	Cámaras S	Cana C	Pistão P	Engate A	Válvula V
Βέργα	Κεφαλή T	Αεροσωλήνας S	Κάνη C	Έμβολο P	Άγκιστρο	Valve V
					συγκράτησης A	Βαλβίδα V



Grano regolabile R

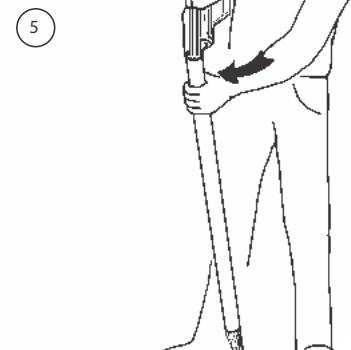
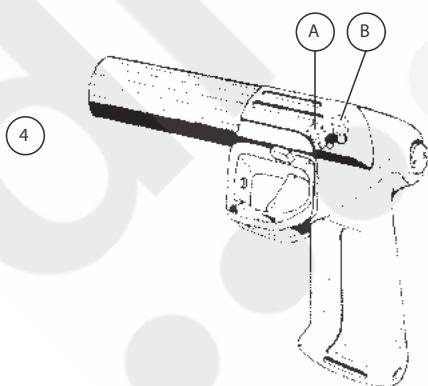
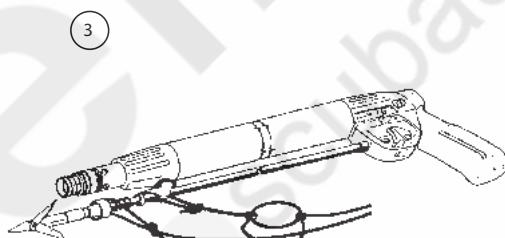
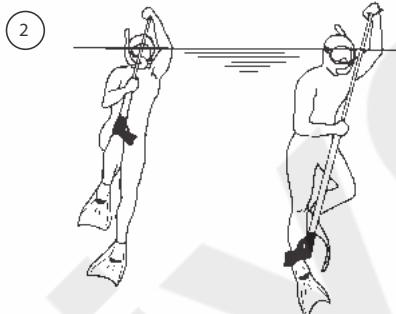
Trigger adjustment screw R

Vis de réglage de détent R

Tornillo de ajust R

Pino de ajuste do gatilho R

Bída rúthmisiq's skandálēt R



**PICTURES**



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