

## Dräger T53700

# Dräger Panorama Nova Dive Sport Full-Face Diving Mask

Model: T53700

Brand: Dräger

## 1. INTRODUCTION

This instruction manual provides essential information for the proper and safe use, setup, operation, and maintenance of the Dräger Panorama Nova Dive Sport Full-Face Diving Mask. Please read this manual thoroughly before using the mask for the first time and retain it for future reference. Adherence to these instructions is crucial for your safety and the longevity of the product.

## 2. SAFETY INFORMATION

Diving with a full-face mask requires specific training and adherence to safety protocols. Improper use can lead to serious injury or death. Always dive within your certification limits and with a qualified buddy.

- **Training:** Ensure you are properly trained and certified for full-face mask diving before use.
- **Pre-Dive Checks:** Always perform thorough pre-dive checks on all equipment, including the mask, regulator, and air supply.
- **Air Supply:** Monitor your air supply constantly. Full-face masks can make it more challenging to detect air supply issues compared to traditional masks.
- **Equalization:** Practice equalization techniques with the mask in a controlled environment before open water diving. The mask features integrated nose pinchers for this purpose.
- **Coldwater Use:** This mask is designed for coldwater scuba diving. Ensure your entire diving system is suitable for the intended water temperature.
- **Maintenance:** Regular maintenance and professional servicing are critical for safe operation.

## 3. COMPONENTS

The Dräger Panorama Nova Dive Sport Full-Face Diving Mask system typically consists of the following main

components:

**Dräger**

**Dräger Panorama Nova Dive Sport**

Full-Face Diving Mask

Volltauchermaske

Masque de plongée intégral\*



**Dräger Secor 7000**

First Stage Regulator

Erste Stufe

Détendeur 1ère étape\*

**Dräger Secor 7000**

Second Stage with P-Connection

Zweite Stufe

Détendeur 2ième étape\*

\*sold separately / separat verkauft / vendu séparément

**Figure 3.1:** Dräger Panorama Nova Dive Sport Full-Face Diving Mask shown with the Dräger Secor 7000 First Stage Regulator and Second Stage with P-Connection. Note that regulators are sold separately.

- **Full-Face Mask Body:** The main mask structure, including the visor, skirt, and head harness attachment points.
- **Visor:** Single lens for wide field of vision.
- **Mask Skirt:** Made of silicone for a comfortable and secure seal.
- **Head Harness:** Adjustable straps for securing the mask to the head.
- **Integrated Nose Pinchers:** For ear equalization.
- **Regulator Connection Ports:** For attaching the primary and secondary regulators (e.g., Dräger Secor 7000 First Stage Regulator and Second Stage with P-Connection, sold separately).

## 4. SETUP

Proper setup ensures optimal performance and safety.

## 4.1 Pre-Dive Inspection

- Inspect the mask skirt for any tears, cracks, or deformities.
- Check the visor for scratches or damage that could impair vision.
- Examine the head harness straps and buckles for wear, cuts, or damage.
- Ensure all regulator connection ports are clean and free of debris.

## 4.2 Regulator Attachment

Connect your compatible first and second stage regulators to the designated ports on the full-face mask. Refer to your regulator's instruction manual for specific attachment procedures. Ensure all connections are secure and leak-free.

## 4.3 Head Harness Adjustment



**Figure 4.1:** Rear view of the mask illustrating the adjustable head harness for a secure fit.

The head harness features multiple adjustable straps. Place the mask on your face and pull the straps evenly over your head. Adjust each strap until the mask forms a comfortable, yet firm, seal around your face. Avoid overtightening, which can cause discomfort and leaks.

## 5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your full-face diving mask.

### **5.1 Donning the Mask**

1. Ensure your hair is clear of the mask skirt to prevent leaks.
2. Hold the mask by the frame and place it over your face, ensuring your chin is properly seated in the chin pocket.
3. Pull the head harness over your head, ensuring the straps lie flat and are not twisted.
4. Adjust the straps for a snug fit, as described in Section 4.3.

### **5.2 Pre-Dive Function Check**

- With the mask on and regulators connected, turn on your air supply.
- Take a few breaths to ensure air flows freely and comfortably.
- Perform a negative pressure test: Inhale gently while blocking the regulator's air supply. The mask should seal tightly to your face.
- Perform a positive pressure test: Exhale gently while blocking the exhaust valve. The mask should inflate slightly and hold pressure.

### **5.3 Equalization**

The Dräger Panorama Nova Dive Sport mask includes integrated nose pinchers. To equalize your ears, simply pinch your nose through the mask's flexible nose pocket and gently blow through your nose. Practice this technique frequently before diving.

### **5.4 Underwater Use**





**Figure 5.1:** A diver wearing the full-face mask, demonstrating its use in water.



**Figure 5.2:** A diver fully equipped, entering the water with the Dräger full-face mask.

- Enter the water carefully, keeping the mask sealed.
- Breathe normally and calmly.
- Regularly check your air pressure gauge.
- Maintain communication with your buddy.

## 6. MAINTENANCE

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Proper care and maintenance will extend the life of your mask and ensure its safe operation.

### 6.1 After Each Dive





**Figure 6.1:** The mask after use, showing water dripping, indicating the need for rinsing.

- Rinse the entire mask thoroughly with fresh, clean water immediately after each dive. Pay special attention to the regulator connection points and exhaust valves.
- Allow the mask to air dry completely in a cool, shaded area, away from direct sunlight.

## 6.2 Regular Inspection

- Periodically inspect the silicone skirt, visor, and head harness for any signs of wear, damage, or degradation.
- Check all O-rings and seals for cracks or dryness. Replace as necessary.

## 6.3 Storage



**Figure 6.2:** The full-face mask stored alongside a scuba tank, illustrating proper storage with other dive gear.

- Store the mask in a protective bag or case to prevent scratches and damage.
- Keep it in a cool, dry place, away from direct sunlight, heat sources, and chemicals.
- Do not store with heavy objects resting on it.

## 6.4 Professional Servicing

It is recommended to have your full-face mask and attached regulators professionally serviced by an authorized Dräger technician annually or as recommended by Dräger's service schedule.

# 7. TROUBLESHOOTING

This section addresses common issues you might encounter.

## 7.1 Mask Leaks

- **Cause:** Hair caught in the seal, improper fit, damaged skirt, or overtightened straps.
- **Solution:** Clear hair from the seal, readjust straps for a snug but not overly tight fit, inspect the skirt for damage.

## 7.2 Mask Fogging

- **Cause:** Temperature difference between inside and outside the mask, lack of anti-fog treatment.
- **Solution:** Apply an approved anti-fog solution to the inside of the visor before diving. Ensure proper ventilation if applicable to your mask model.

## 7.3 Difficulty Breathing

- **Cause:** Regulator malfunction, low air supply, or obstruction in the breathing passages.



- **Solution:** Check air supply, switch to alternate air source if necessary, ascend safely. Have regulators serviced by a professional.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	T53700
Age Range	Adult
Frame Material	Silicone
Number of Windows	1
Strap Type	Adjustable
Material	EPDM, Silicone
Color	Black
Sport	Scuba Diving
Lens Type	Single Lens
Item Package Dimensions (L x W x H)	11.7 x 9.8 x 6.4 inches
Package Weight	1.7 Kilograms
Manufacturer	Dräger Safety AG & Co. KGaA

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact Dräger directly. For product support, technical assistance, or to locate an authorized service center, please visit the official Dräger website or contact your retailer.

You can find more information about Dräger products and support at their official store [Dräger Store on Amazon](#).