



The optimum support in every situation



international bv



PVL International B.V. Underwater Cutting Torch

The PVL underwater cutting torch is the result of more than 30 years of development and testing under highly diverse conditions. This demanding process has led to the new model torch, which works appreciably faster and more efficient than conventional underwater cutting torches. The PVL cutting torch gives you a totally different view at underwater cutting. Instead of using expensive electrodes, we use gas. With this cutting torch you can cut up to 6 times faster, which will decrease the operational costs to a minimum. With the unique underwater lighter, you can easily ignite your cutting torch underwater. This lighter comes together with the torch and some spare parts in one flight case.

Underwater Cutting Torche 55°



Underwater Cutting Torche 90°



The advantages of PVL underwater cutting torches

- Unrivalled user convenience. Besides the torch, you require only oxygen and propylene gas.
- No complicated burner settings, all settings are standard.
- Faster than conventional cutting torches.
- Competitively priced
- Low operating costs
- Fast and expert service.

Two torch models are available:

a 55° torch and a 90° torch. The sole difference lies in the torch angle. Your choice of model depends on your personal preference.

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The PVL Cutting Torch kit includes:

- 1 Underwater Cutting Torch 55° or 90°
- 1 Suitcase
- 2 Socket wrenches
- 2 Oxygen reduction valves
- 1 Gas reduction valve
- 1 Igniter
- 1 Sets of hoses
 - 1 Gas hoses 9mm 1 x 50 mtr
 - 2 Oxygen hoses 9mm 2 x 50 mtr



Gas and Oxygen

It is not possible to adjust the cutting flame under water. The flame is adjusted by adjusting the pressure reducers above the water.

Table pressure/diving depth			
Depth (msw)	Gas pressure (Bar)	Oxygen pressure (Bar)	Cutting oxygen pressure (Bar)
0	1	4	6,5
5	1,5	4,5	7
10	2	5	7,5
15	2,5	5,5	8
20	3	6	8,5
25	3,5	6,5	9
30	4	7	9,5
35	4,5	7,5	10
40	5	8	10,5
45	5,5	8,5	11
50	6	9	11,5

De pressures for the cutting Oxygen as indicated in the table apply up to 25 mm material thickness. When cutting a thicker material, the pressure for the cutting Oxygen can be raised without negative effects on the adjustment of the torch.



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