The PVL underwater cutting torch, faster and more efficient than conventional underwater cutting torches.
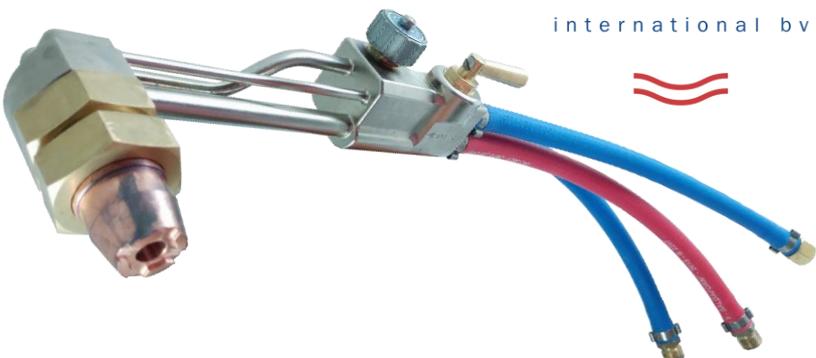
The PVL underwater cutting torch is the result of more than ten years of development and testing under highly diverse conditions. This demanding process has led to the new model torch, which works appreciably faster and more efficient than conventional underwater cutting torches. Cutting torches are delivered in a special case including our unique in water igniting device. It's also a part of our fast, economic and easy to use system. The PVL torch uses Oxygen and gas as a cutting medium It has a three-hose system, which uses one hose for the gas, one for the oxygen and one for the cutting oxygen. The inner diameter of the hoses is 9 mm.

Two models are available a 55° torch and a 90° torch. The sole difference lies in the torch angle. Your choice of model depends on personal preferences.

Advantages

- *Tilt protection;*
- *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.*

Accessories

Gas reducer for PVL underwater cutter.

Oxygen reducer for PVL underwater cutter.

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

The 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.

Gas umbilical 50 meters (2x oxygen and 1x gas).

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