

Wenoll Demand Module

The Wenoll demand module has been introduced as an option for the well-known Wenoll recirculation system.

The demand module consists of the demand valve with ISO connector and the oxygen connection tube. The demand valve itself was developed in cooperation with the Oceanic Company on the basis of the "SLIMLINE" octopus. The result was an oxygen demand valve matching medical pressure regulators while at the same time optimising patient breathing. The operating principle guarantees a concentration of 100% of the inhaled oxygen irrespective of how the patient is breathing, even if very shallowly.

A facemask or a mouthpiece may be used on the ISO 22/15 patient connector. Both of these components are contained as standard in the Wenoll emergency cases as delivered.

■ Usage

The Wenoll demand module is normally used for short-term O₂ therapy. This however assumes that the patient can breathe unassisted and is basically recommended for:

- Short therapy times
- Short transport times
- General circulatory problems
- Sufficiently large oxygen supply
- Two patients simultaneously

The patient connector is ISO 22/15, so that oxygen can be applied via mouthpiece, facemask or catheter. For reasons of hygiene and to improve breathing conditions, a HME* can be attached to the ISO connector of the O₂ demand valve. HMEs are used to physically warm and humidify the oxygen. The problems of hypothermia and dehydration are counteracted during normobar oxygen therapy; the patient breathes warm, humid oxygen.

* HME = Heat and Moisture Exchanger
(Art.-Nr. 121 052)



Important hint:

The Wenoll demand module is designed for the medical emergency at normal atmospheric pressure and may not be used under water.

■ Functional Components

- 1 O₂ demand valve
- 2 ISO 22/15 patient connector
- 3 O₂ flow, manual (oxygen shower)
- 4 O₂ medium pressure connector
- 5 O₂ connecting tube, 1.6 metres (click connector, DIN or UNF)

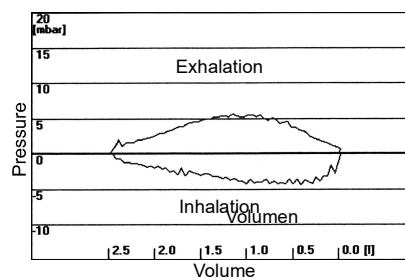


■ Breathing Action / Pressure Volume Diagram

The breathing action for inhalation and exhalation and the entire breathing action are shown in the accompanying diagram.

Breathing Action:

Out	0,38
In	0,31
Total	0,69
Joules/litre	



■ Cleaning / Conditioning

Disconnect the Wenoll demand module from the O₂ connecting tube. This tube can be wiped externally with a disinfectant that was previously applied to a corresponding cleaning cloth.

The Wenoll demand module (without O₂ connecting tube) can be inserted completely into a cold disinfection bath.

■ Retest

The Wenoll-demand module has to be retested every **5 years** at the manufacturer. There is a label with the date (month/year) of the next retest directly on the demand module.

■ Ordering information

Wenoll demand module with O ₂ connecting tube, 1.6 metres DIN	Art.-Nr. 121 070
O ₂ connecting tube, 1.6 metres with DIN thread	Art.-Nr. 121 071
Wenoll demand module with O ₂ connecting tube, 1.6 metres UNF	Art.-Nr. 121 072
O ₂ connecting tube, 1.6 metres with UNF thread	Art.-Nr. 121 073
Wenoll demand module with O ₂ connecting tube, 1.6 metres click connector	Art.-Nr. 121 074
O ₂ connecting tube, 1.6 metres with click connector thread	Art.-Nr. 121 075