

Using ORPU equipment you will make rapid

Electro-Submersible Compressor TMV



ORPU

ORANIENBURGER PUMPEN UND VERDICHTER GmbH

Using ORPU equipment, you will make a big whirl

Water is one of our most important resources. It is integrated into a continuous cycle. This water cycle is often disturbed by oxygen deficiency. In such a case, reliable equipment will be necessary.

The equipment made by us is perfect.

ORPU electro-submersible compressors are high-quality products combined with excellent product advantages. Being variable with regard to their applications, they are reliable and require little maintenance.

A successful concept: ORPU electro-submersible compressors.

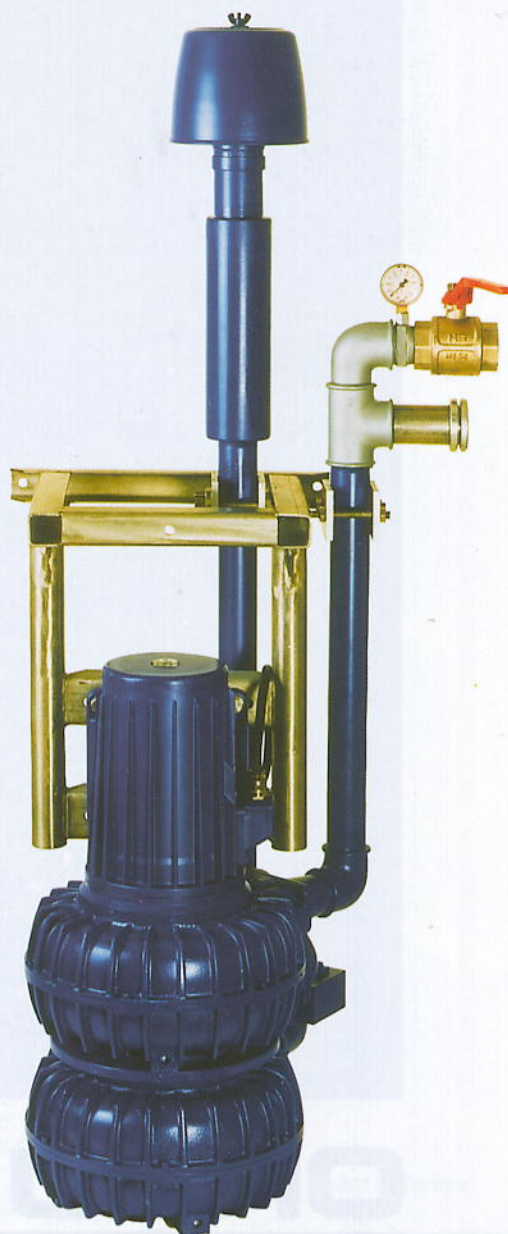
The operation of the electro-submersible compressors is based on the side channel principle, i.e.

- the air is oil-free;
- the number of moving parts is minimized;
- the compressors do not include any valves;
- sealing systems affected by friction are not used.

The experience gained by our company in the field of electro-submersible pump and compressor construction over many years has enabled us to construct electro-submersible compressors in series production as a first manufacturer.

A compact design - although various applications are possible.

We offer diverse additional units to meet our customer's demands. The range of products offered by us includes the basic unit, supplementary accessories and complete system solutions.



Advantages in application

What requirements do you place on a compressor?
You will be certainly interested in a high technical reliability and low-noise operation, low energy consumption and solid construction.... and a fair price!
If you use ORPU electro-submersible compressors, you can "kill two birds with one stone":

▶ Your capital expense will be lower.

As the compressor is submerged directly in the liquid, the capital expense will be many times lower.

▶ You will reduce the operating cost.

A sophisticated design makes it possible to increase the maintenance intervals and the component's service life.

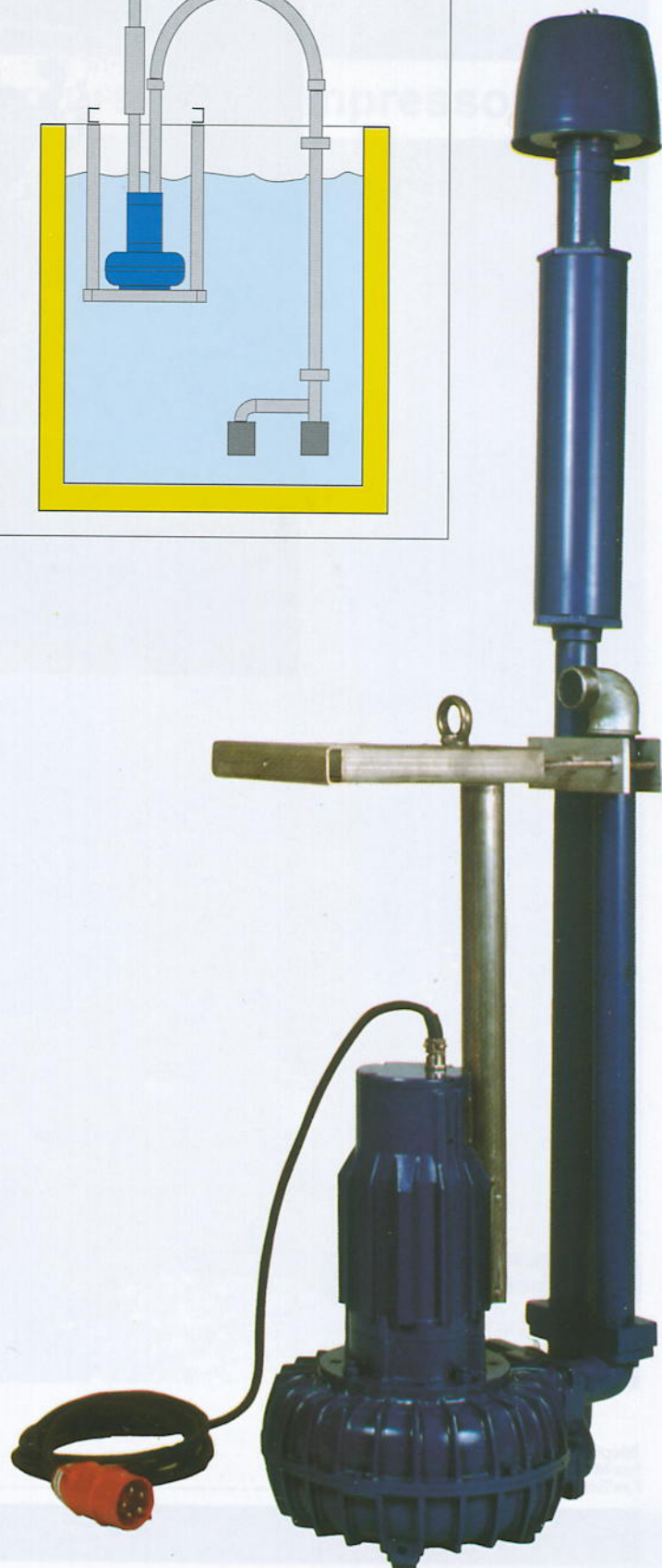
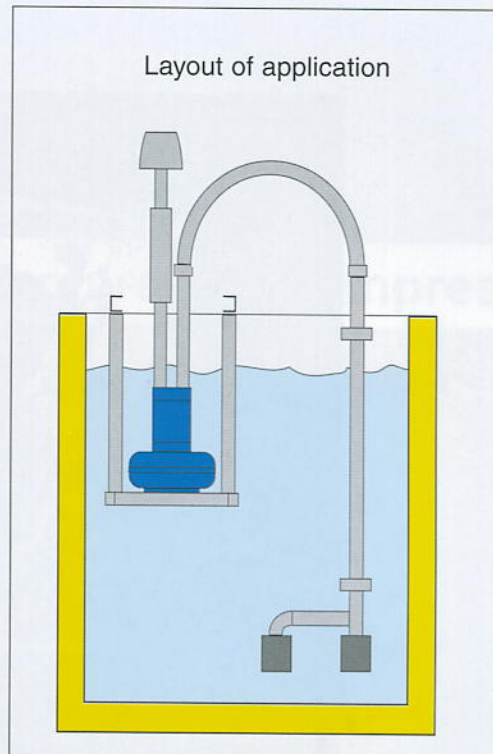
▶ You will save driving energy.

An improved energetic efficiency enables the compressor running times to be shortened.

▶ You will have no noise problems.

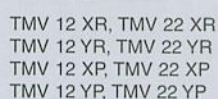
The compressors cause extremely low noise so that they are hardly to hear.

▶ Thus ORPU electro-submersible compressors offer you numerous advantages.



1) with $\Delta p_R = 0$ 2) referred to air at 735.5 Torr and 20 °C

²⁾ referred to air at 735.5 Torr and 20 °C



Model	Size	d ₁ +1	e ₂ ±2	h ₁ ±3	h ₂ ±3	l ₁ ±4	l ₂ ±3						
TMV	01 X	250	127	387	115	282	157						
	01 Y												
	11 X	290	-	422	150	291	150						
	11 Y												
	12 XR		-	447	175								
	12 YR												
	12 XP	325	-	454	182	330	167						
	12 YP												
	22 XR							325	-	454	182	330	167
	22 YR												
	22 XP												
	22 YP												
24 YR	325	-	760	360	330	167							
24 YP													

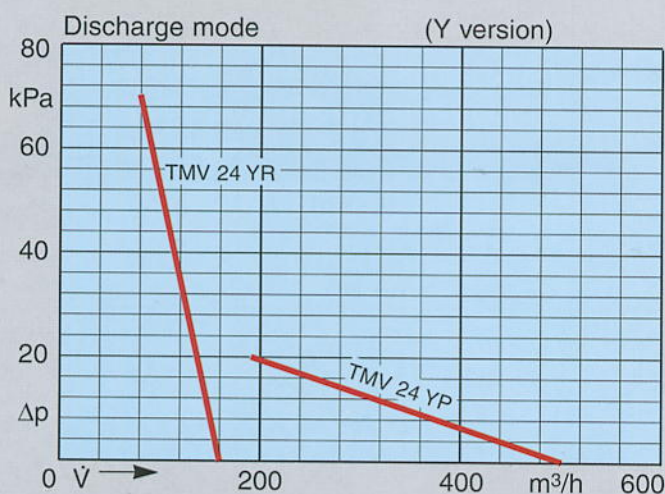
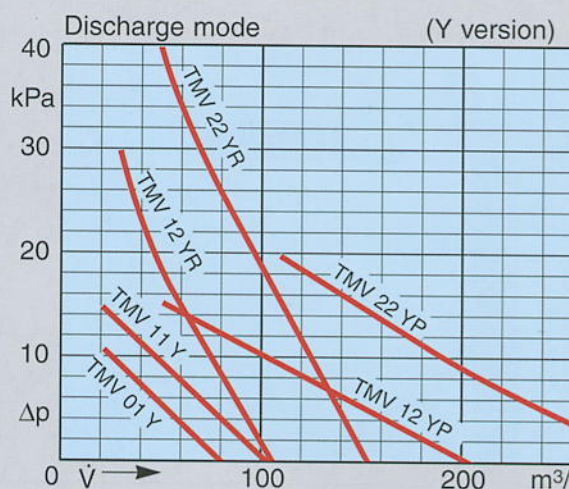
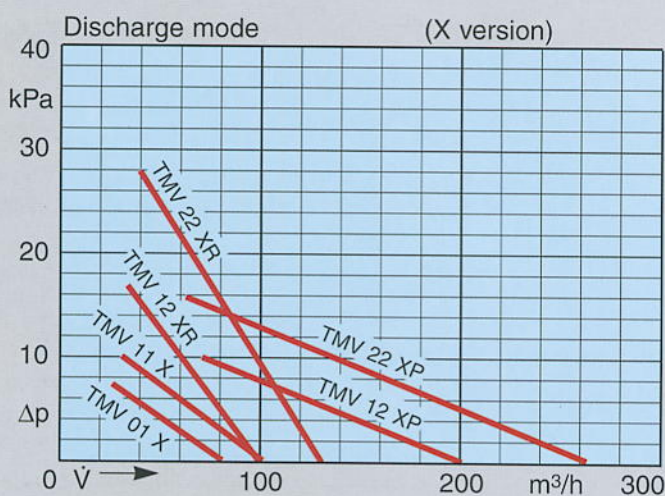
If capacity is required . . .

. . . you can use confidently an ORPU electro-submersible compressor.

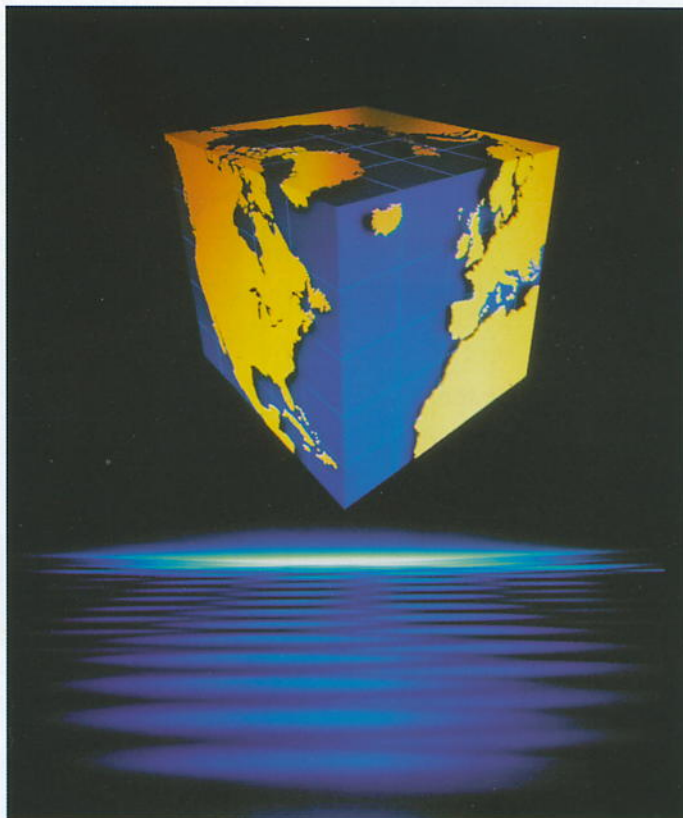
The equipment produced by us enables you to optimize your plants, the above-mentioned and other applications. We supply you a tailored solution to meet your demands.

Environmental equipment for all cases

- Aeration of clarification plants
- Mixing/Whirling of water and waste water
- Aeration in fish-farming
- Aeration of biologically and chemically polluted water bodies



These are the most important advantages



ORPU

ORANIENBURGER PUMPEN UND
VERDICHTER GmbH

An der Lehnitzschleuse
D-16515 Oranienburg
Germany

Telephone 00 49/033 01/ 85 80
Fax/Management 00 49/033 01/85 81 03
Fax/Sales Dept. 00 49/033 01/85 81 39



Technical data are subject to alteration.
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