Oveducon

Brochure

Centrifugal Pump Sizing

Course details

Centrifugal Pump Sizing

In this course you learn how to properly size a pump, not too big nor too small but just perfect. It teaches you everything from how to read a pump curve all the way up to the complete pump sizing. You learn how to calculate the pipe friction, calculation point, system curve, operating point and the NPSH. This enables you to size a pump which is very efficient and reliable.

Several exercises based on real-world examples are included to help you hone your skills and put the theory into practice. With the help of our step-by-step templates, the whole sizing process becomes a breeze which you master in no-time.

This course comes with a workbook full of exercises, cheat sheets, reference materials and a 3-month access period (which we happily extend on request).

Discover what's inside

1. Pump curve

Everything starts with learning how to read and work with the centrifugal pump curve. Here we discuss different lay-outs of different brands and which things are important to pay attention to as mistakes are very easily made.

2. Pipe friction

In this chapter you will learn what pipe friction is and why it is an essential part of the centrifugal pump sizing process. Next we will teach you how to calculate these losses and uncover some common pitfalls.

3. Calculation point

This chapter teaches you what the calculation point is and how this value is determined.

4. System curve

In this chapter you learn how to calculate and create a system curve for a variety of different situations.

5. Operating point

There is a lot of misconception about the operating point and where you are allowed to select your pump on the pump curve. In this chapter we separate fact from fiction and teach you how to determine the operating point and the margins within which you can safely select a pump on the curve.

6. NPSH

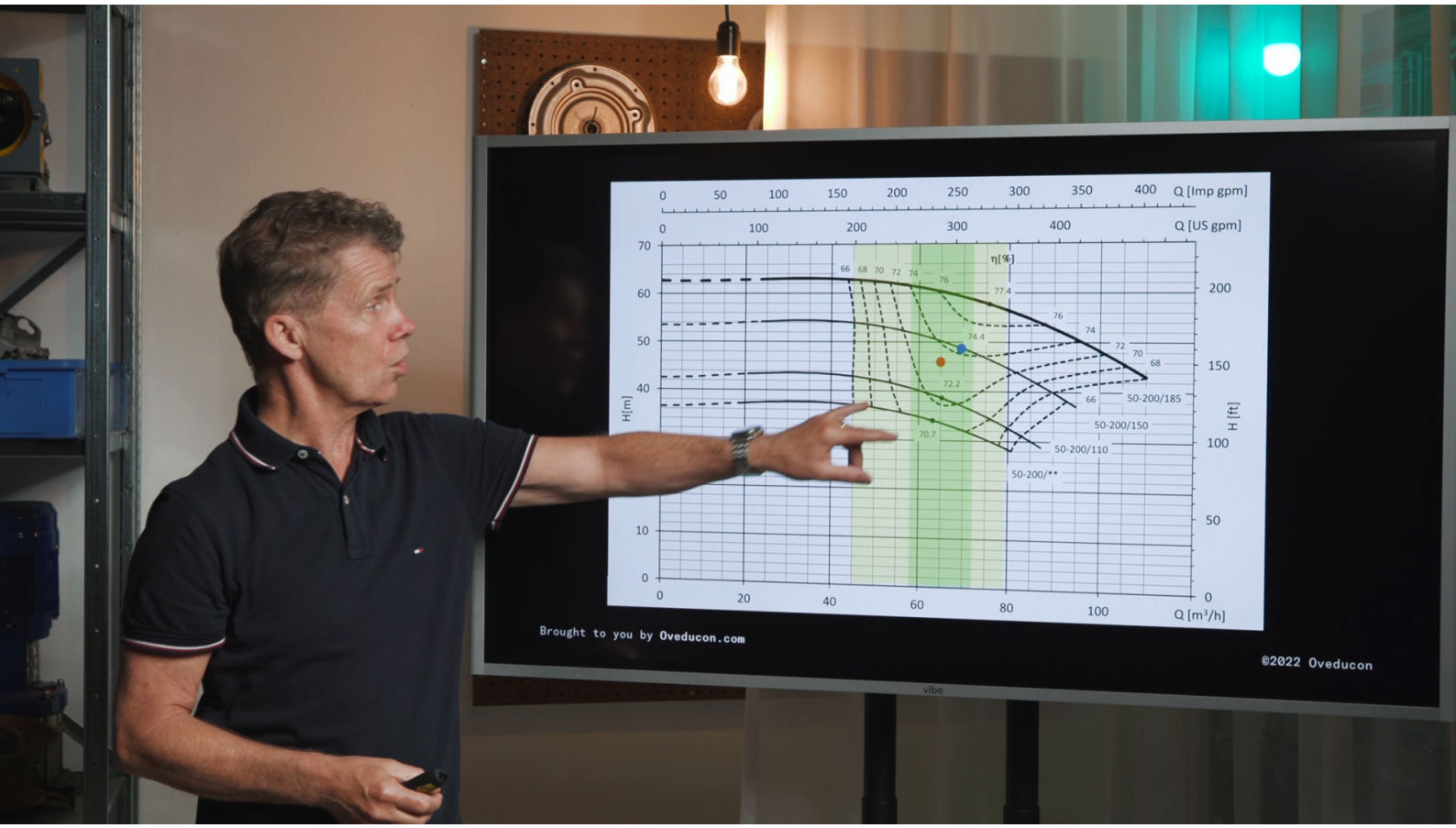
Probably the least understood aspect of the centrifugal pump sizing process is the NPSH calculation. We talk about why a NPSH calculation is crucial to the life expectancy and performance of your pump. Next we show you how to determine the NPSH in a step-by-step and easy to follow way.

7. Complete pump sizing

In this last part of the course we bring all the pieces together in a couple of practical exercises for which you have to properly size a pump. Here you will learn how to work through the full sizing process, from selecting the suitable pump curves to the final NPSH calculation.

Meet the trainer

Jos Overschie



The passionate founder of Oveducon and an expert on centrifugal pumps and its systems. He has over 30 years of experience in the field and 15 more as a teacher, teaching subjects ranging from pump selection, pipe systems, failure analysis and frequency converters.

He is the author of seven books, a sought after speaker and an international consultant that has worked on complex projects from Mozambique to Bangladesh.

Award winning education

We are proud to have been awarded the title “Top technical educator in the Netherlands” for five years in a row, by independent student review platform Springest. Based on more than 650 student reviews, our courses receive an average of 8.8 out of 10.

What to expect?

Learn when and wherever you want with our practical e-learning courses. No boring longreads or endless PowerPoints but short, easy to digest video's that make learning efficient and engaging.

Each course is based on years of training pump industry professionals on site. Therefor we have skimmed all the stuff you won't need and only included that which really makes a difference in your daily practice.

The result? Courses that are high on practical materials, real-life scenario's and visualizations.

Overview

Centrifugal Pump Sizing

- 5+ hours of bite-size videos
- Step-by-step process
- Easy to follow
- Practical demonstrations
- Lots of exercises
- Metric and Imperial
- Including workbook
- 3 months to complete
- And much more!

Price: €355

Subscribe

Other courses

- Pump System Basics
- Centrifugal Pump Selection
- NPSH Calculation for Water

More information

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