



Future included

**KESSEL
SmartServices**



Our digital services offer

With KESSEL SmartServices the future has already arrived for each of our drainage products. For you as a customer, this not only means extensive digital support for design, installation and operation – but also the certainty that we continue to develop our offer of services for your benefit.

Overview

KESSEL SmartServices

Design

↗ Page 4

🕒 **Building information modelling (BIM)**
All building information in one place.

🕒 **CAD data**
Drawing with AutoCAD & similar software.

🕒 **Specification texts**
Simple management of article master data.

🕒 **Design information**
Detailed guide.

Installation

↗ Page 10

🕒 **Assembly/installation videos**
Illustrated installation tips.

🕒 **Installation instructions**
Proper installation, step-by-step.

Operation

↗ Page 12

🕒 **Spare parts catalogue**
Spare parts for maintenance and repair.

🕒 **Function videos**
Illustrated product explanations.

🕒 **User manuals**
Online library for product manuals.

📄 **SmartSelect**
Design tool for lifting stations and grease separators.

📡 **SonicControl**
Automatic layer thickness measurement for separators.

⚙️ **Spare part finder**
Selection tool for suitable spare parts.



Design

Design today with tomorrow's standards: our SmartServices include numerous aides for designers of KESSEL drainage solutions, from calculation and management tools through to high-quality data records for CAD and BIM software.

All building information in one place

Building information modelling (BIM)

Building information modelling (BIM) provides all those involved in the design of a building access to a common information platform. The relevant technical, geometric and commercial data of the model used are collated in the BIM file to form a complete image of the structure. With the help of this mode, architects, builders and engineers can make the best possible decisions in their area of responsibility during all project phases and make their effects visible to all other parties working on the building.

Advantages of building design with BIM:

- Simple, complete project overview
- Flexible, error-avoiding design without loss of information
- Reduced time and reduced costs

BIM at KESSEL

We provide top quality BIM data for our complete product range. As the files are created in the universal VDI 3805 output format, you can use them to intelligently design buildings with KESSEL drainage solutions in all standard BIM software products. For example, a grease separator model placed in the BIM file automatically determines the dimensions of the necessary inlets, outlets and pressure pipes.



Big BIM

Integrated solution for all users



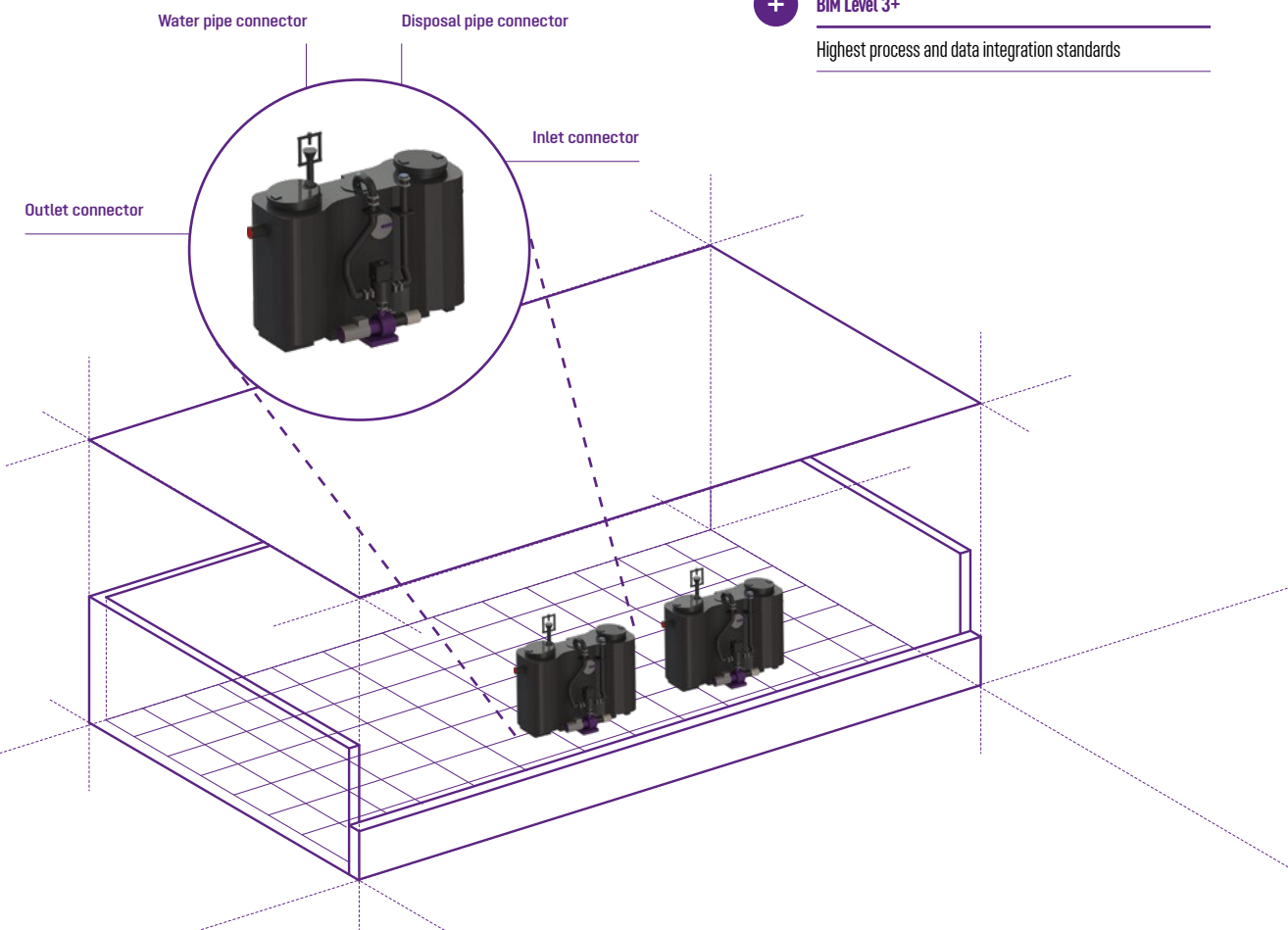
Open BIM

Support of different BIM software products



BIM Level 3+

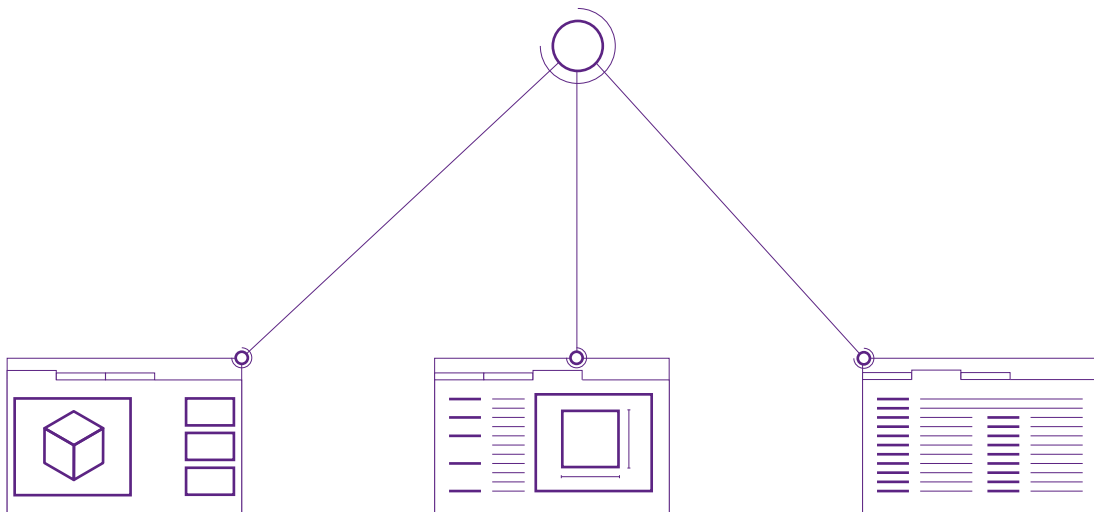
Highest process and data integration standards



BIM: Content

Our complete package for designers

Our BIM library provides you with access to all content you require to design KESSEL drainage solutions using building information modelling. With the help of our practical editor, you can conveniently call up the data for your product and import it into your BIM software.



Geometric data

All design-relevant information on the geometric properties of the product. The geometry is simplified as far as possible so that the size of the file is not increased unnecessarily.

Dimensional information:

- Drain body
- Connections
- Accessories
- Dimensioning
- Clearance space

Technical data

All performance data for correct electrical, thermal and safety design with regard to:

- Dimensioning
- Installation
- Operation

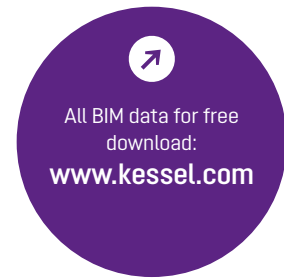
Commercial data

Complete specification texts in the following languages:

- German
- English
- French
- Italian
- Dutch
- Polish

At a glance

Specifications of our BIM data



Guidelines



ISO/TC 59/SC 13/WG 11

Product data for building services systems models



NA 041-01-71 GA

Product data exchange in building services (MEP)



CEN/TC 442/WG 2

Exchange information



VDI 3805

Product data for MEP system models

BIM data formats

VDI 3805

Native output format

IFC

International exchange format

RFA

For Autodesk Revit (2014 versions and later)

Export formats

Visual content

3D DWG

3D DXF

2D DWG

2D DXF

SAT

IGES

STEP AP214

STEP AP203

JPG

Metadata

DATANORM

GAEB

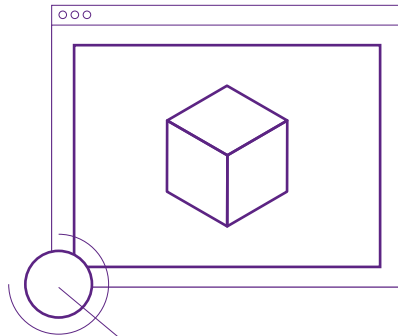
Word

Metadata classification

ETIM 7.0

eClass

COBie



Drawing with AutoCAD & similar software

CAD data

Our CAD library helps you to create drawings for backwater valves, hybrid lifting stations, lifting stations, drains, grease separators, light liquid separators as well as cleaning and inspection chambers. All KESSEL products can be inserted in the appropriate position in DWG format with precise detail and true-to-scale in up to four views.

The CAD drawings of individual KESSEL products are always available on our website:

 www.kessel.com

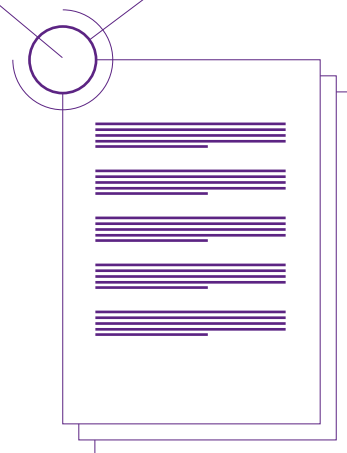
Simple management of article master data

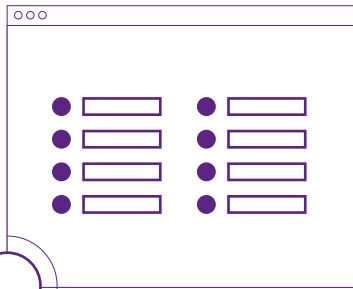
Specification texts

Creating tenders or quotations, bills of quantities and price comparison lists costs time and effort. With our ready-to-use specification texts we lighten this workload for you. This means not only that you can create documents such as article databases and illustrated electronic price lists faster, but also you can update them conveniently and easily.

You can manage the specification texts for all our products on our website:

 www.kessel.com





Detailed guide

Design information

We also offer the contents of our extensive design manual online for you to download. Here you will not only find out all you need to take into account when designing KESSEL drainage solutions, but you can also find out interesting knowledge about their installation and maintenance. In this way we help you to make the right decisions for your building, taking into account the conditions on site.

We provide the design information on our website, where you can download the complete manual or the chapters you require:

 www.kessel.com

Design tool for lifting stations and grease separators

SmartSelect

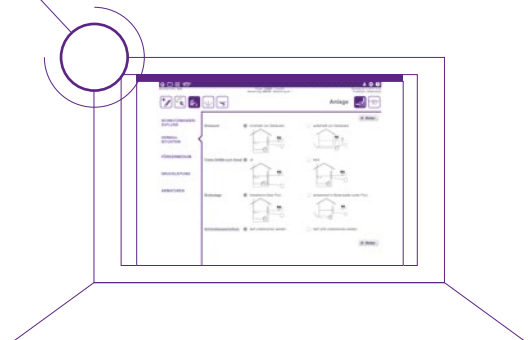
With our design tool for lifting stations and grease separators you can configure, design and calculate drainage solutions virtually. This reduces your design workload considerably. And best of all: registration is free and takes only a few minutes!

SmartSelect simply makes design faster:

- Calculation of the quantity of wastewater produced and particular load cases
- Configuration of the installation situation, including the pressure pipe
- Dimensioning the pump capacity
- Selection of a suitable lifting station or pumping station, including configuration of an engineering chamber

Calculate and design drainage solutions online:

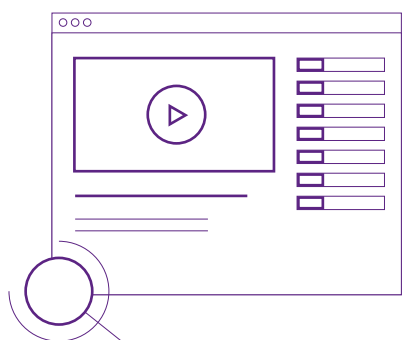
 smartselect.kessel.com





Installation

This makes the installation of your drainage solution a piece of cake: Use our assembly videos and installation instructions for simple installation and commissioning of KESSEL products.



Illustrated installation tips

Assembly videos

Interactive, fast and easy: as a supplement to our range of services, the new assembly videos make it easier to operate and commission KESSEL products and enable uncomplicated and smooth assembly and installation. The videos are mainly aimed at installers and, as support and a supplement to the operating instructions, are intended to explain frequently asked questions.

You can view all assembly videos at any time on the official YouTube channel of KESSEL AG:

 www.youtube.com/KESSELGmbH

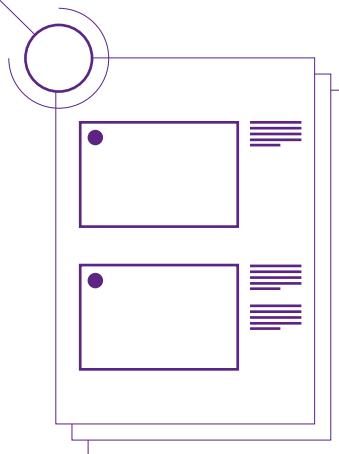
Proper installation, step-by-step

Installation instructions

With our installation instructions, even installers who have no experience with KESSEL drainage solutions can install our products properly. All the necessary steps are explained clearly, in an easy to understand way, which makes installation faster, more reliable and safer.

All installation instructions to download can be found in our online library at:

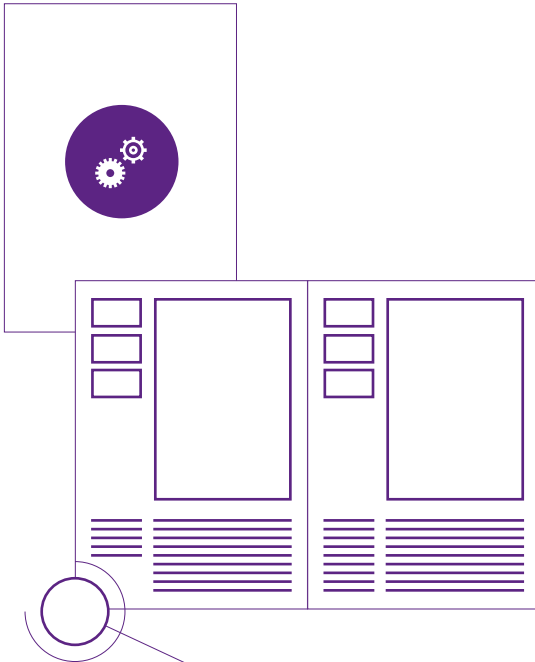
 www.kessel.com



Operation

The right solution is always at hand: To assist you in the everyday operation of your KESSEL drainage solution, through our SmartServices you can access intelligent tools and helpful operation and maintenance information at any time.





Spare parts for maintenance and repair

Spare parts catalogue

With our spare parts catalogue to download, we want to provide even better support for installers who have pending repair or alteration work to carry out. Ordering spare parts will be even easier for trade partners too. To make it easier to find the right spare part, every product is listed with its most important distinguishing features and a 3D illustration. The individual components are specified with the exact designation and article number.

The current online spare parts catalogue to download:

 www.kessel.com

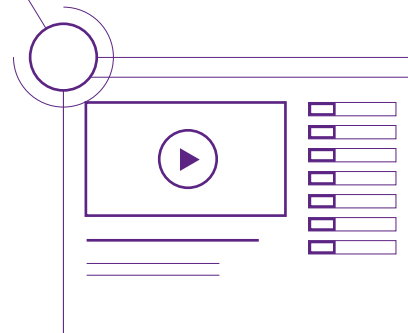
Illustrated product explanations

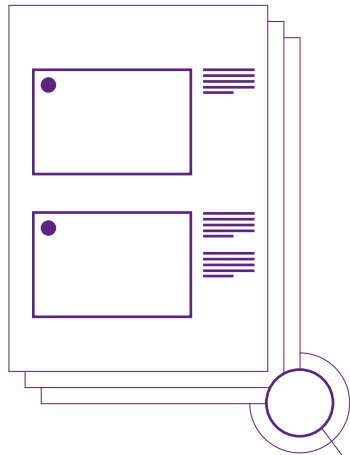
Function videos

You would like to find out how our products work? In our function videos we explain to you, in a few minutes, the technical principles of our backwater valves, (hybrid) lifting stations and pumping stations, drains and separators. The functions of accessory parts, such as the SonicControl layer thickness measuring device for grease separators, are also presented clearly.

You can view all function videos at any time on the official YouTube channel of KESSEL AG:

 www.youtube.com/KESSELGmbH





Online library for product manuals

User manuals

If you can no longer find the instructions for your KESSEL product or would like to find out about the easy handling before buying, you will find the operating and maintenance instructions on our website, sorted by product group and year of publication.

All operating instructions to download can be found in our online library:

 www.kessel.com

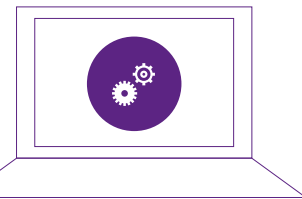
Selection tool for suitable spare parts

Spare part finder

With our online selection tool you can easily compile an order list with suitable spare parts for your product.

The spare part finder is part of our online shop:

 www.kessel.com



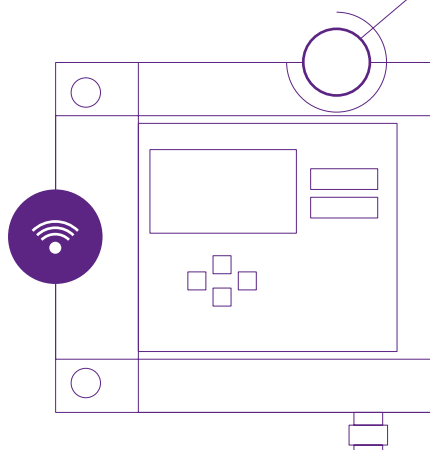
Automatic layer thickness measurement for separators

SonicControl

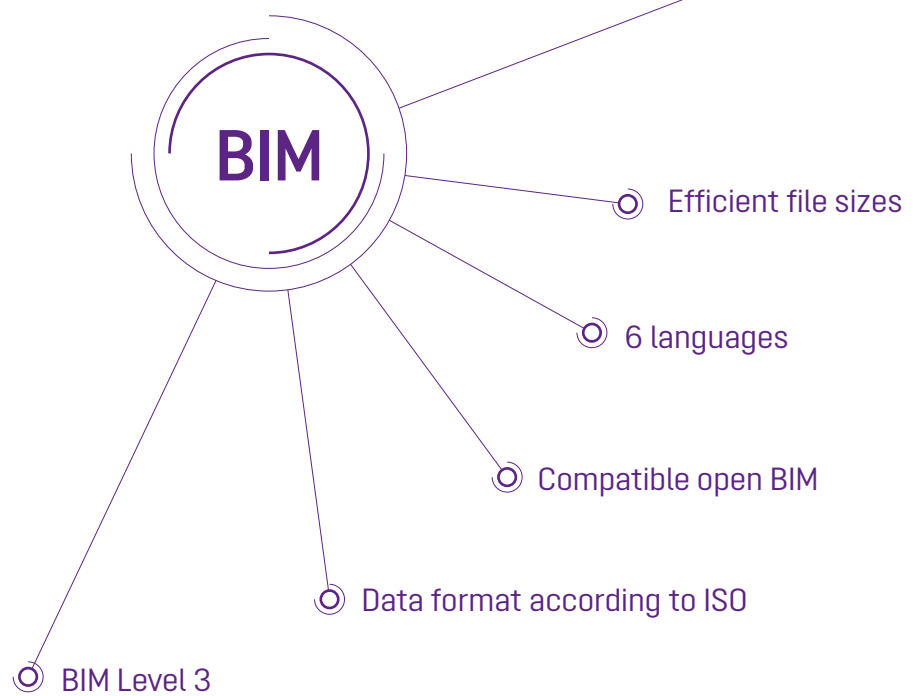
The SonicControl automatic layer thickness measuring device with ultrasonic sensor precisely monitors the temperature and thickness of the grease layer in grease separators. Operators can thus verify the actual quantity of grease produced to the relevant authorities and optimise the necessary disposal cycles outside of standard requirements.

You can download the SonicControl Viewer program for reading out the measurement data for free:

 www.kessel.com







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