AVENTICS ONLINE WORLD
PNEUMATICS SHOP AND ENGINEERING TOOLS

Pneumatics
It’s that easy
Engineering Tools, Pneumatics Shop, and much more: welcome to the AVENTICS Online World

Engineers and technical decision-makers have to tackle complex and time-consuming business processes every day. The AVENTICS Online World combines the entire product range, targeted shopping, practical application tools, and comprehensive expertise at one convenient website.

From configuration programs to product information, up to the energy savings calculator, many users take advantage of our wide range of practical tools every day.

Offering a variety of different functions, our online world is aimed at anyone dealing with pneumatics and provides you with non-stop access to all your essential personal processes on myAVENTICS.

Go straight to engineering-tools.com, pneumatics-shop.com, or our website aventics.com, for tools that will save you lots of time in your day-to-day work – at any time, worldwide.
ORDER, CONFIGURE, DOCUMENT
24/7 FROM ANYWHERE IN THE WORLD

Simple and convenient: Go to www.pneumatics-shop.com, browse and make your purchase from your desktop computer, tablet, or smartphone.

1. Product search

   Easy to get started
   Your entire search is carried out here with combined catalog and shop functions. Search and filter functions make sure you get clean results fast, and you can see the list prices and availability of your product right away.

   - Catalog with integrated shop function
   - Display of list prices and availability
   - Responsive design for all end devices
   - Intelligent search and filter functions
   - Custom configurations are ready to purchase immediately with a unique material number
   - Links to the Engineering Tools integrated

2. Shopping cart

   Order immediately without having to wait
   The cart is available to everyone visiting the site. After registering, new customers can immediately place an order without waiting – in their country’s currency. Practical: Customers and sales partners have the option to manage several accounts with one login.

   - Every user can add products to the cart.
   - New customers can place orders immediately after registering.
   - You can add a material number directly to the cart.
   - Existing customers can view their discount prices after logging in.
3 Registration and login

For new and existing customers

Our new Registration Tool manages all of your AVENTICS accounts, including the shop and configurators. Once you have created an account, you have access to the myAVENTICS Portal and can create shopping lists in your cart.

4 Checkout

The order placement process

Here, you can enter multiple delivery addresses. Another benefit: Product certificates are only charged once, even if they have been selected for several items.

- Express delivery option
- The delivery cost calculation has an itemized list of all the individual costs
- Easy payment using your credit card

www.pneumatics-shop.com
Online shopping with AVENTICS means:

- Find products fast with intelligent search and filter functions
- Spare parts and accessories available for every product in the shop
- Transparent pricing based on general list prices
- Track your orders online, including the delivery date, status, and invoice
- Offers can be transformed into orders online
- Register with your e-mail address and password in a single step to place your order
- Upload and download all order documents
- Keep track of interesting items in shopping lists
- Optional express shipping and transparent freight cost calculation without a small-order surcharge
- Electronic payment methods (debit or credit card)
- Complete technical documentation and CAD data available
- Innovative shop design and intuitive navigation for computers, tablets, and smartphones

myAventics

Focused on you

myAVENTICS gives you a compact overview of current and completed orders in the AVENTICS Shop, as well as the option to upload your order. Place a repeat order with a simple click.

- Track the status of your delivery
- Quotation overview: Accept offers and add them to your cart
- Manage your user and SAP accounts
- All service information is now stored in one place
- Access to additional individual information
Configuration made easy: The fast track to your individual configuration

Just a few clicks and you’re there

Maintenance units, cylinders, valve systems, and many other components not only need to provide high quality, but also meet your specific requirements. Our online world gives you everything you need to adapt individual products, precisely and professionally. You can select the required parameters and define stroke lengths, diameters, and even accessories. The configurator can be used to tailor products to your exact needs.

- Open your configuration on the product page or right in the configurator
- Find configured material numbers using the general catalog search
- Clear and direct navigation

Your configuration results provide the following information:

- Configuration documentation (PDF)
- Parts list
- Dimensioned drawing
- Item drawing
- 2D/3D CAD data
- Circuit diagram
- Price

Open the configurator 1. Select the product category you are looking for, e.g. piston rod cylinders 2.

Click the arrow symbol to configure your product 3.
Planning made easy

CAD data is essential for your planning and product documentation. You can easily find the right CAD data for your product and download it free of charge. Even if you have already modified products using the configurator, our software still has no problem generating precise 2D and 3D CAD data.

- CAD data available for standard and individually configured products
- Click to download and use as needed
- Perfect for your planning and product documentation
- CAD data from AVENTICS available in the CADENAS PART-Community – aventics.com/cadenas

You can reach the CAD data right from the Pneumatics Shop homepage. Click a material number. You can also access the “CAD” menu item via the list menu (left-click). Here, you will find various CAD file formats for download.
Utmost flexibility: cylinders with user-defined stroke lengths
You need CAD data for configurable products? No problem, AVENTICS Engineering Tools can help you here as well. If you need a cylinder with a specific stroke length, for example, simply enter this variable. 2D or 3D CAD data can then be generated for the cylinder.

▲ 3D CAD data is also available.
The perfect overview: Generate pneumatic circuit diagrams with the Scheme Editor

Get a clear view with our Engineering Tools

Whether you need a circuit diagram when starting to design your system, or for repairs and maintenance, you can use our software to generate a complete pneumatic circuit diagram. The Scheme Editor from AVENTICS not only allows users to work with a variety of models and worksheets, including integration of drawing headers, but also provides all functions required to create a reliable pneumatic circuit diagram for your system. And all that while complying with DIN ISO 1219-2. Thanks to an extensive symbol library, you can easily and intuitively drag and drop objects to generate circuit diagrams, whether simple or highly complex. We offer these functions absolutely free of charge and you don’t even need a CAD license. The Scheme Editor can also be found on the AVENTICS homepage and launched after a brief installation process.

- Intuitive operation, even without CAD skills
- Compatible with Microsoft Windows XP, Windows Vista, Windows 7 to Windows 10
- Generate parts lists by matching symbols with part and item numbers
- Runs without a CAD license
- Freeware – totally free of charge

Select “circuit diagram software”. Install the Scheme Editor. Now you are ready to generate individual pneumatic circuit diagrams.

AVENTICS also in EPLAN!
www.eplandata.de/portal

AVENTICS supplies EPLAN users with material numbers and order designations for all products (approx. 20,000 pneumatics components). In addition, corresponding macros for bus and I/O modules are available for the AV03, AV05, and AES series.
Let us do the math
Need to compute the load for a guide cylinder? Our product calculation system lets you easily define specific variables. From the lever arm to supply pressure, up to the cylinder orientation, simply enter your exact parameters and our software calculates reliable results. This option is now available for a wide range of products in our online world. Just select your product and enter the relevant variables.

Need more efficiency? Optimize air consumption
Trying to identify ways to improve the energy efficiency of your systems? Substantial improvements can be achieved by optimizing air consumption. You can define how much air your machine uses with our calculation program. By entering various factors, such as operating hours and number of cylinders, you can calculate your average and total air consumption with absolute precision. This allows you to identify improvement targets.

- Configure numerous products online
- Order right away thanks to integrated shop function
- Quick and free of charge
- Calculate air consumption and much more.

Find exactly what you need: With our first-rate product calculation tools

Open the calculation programs via the Pneumatics Shop home screen 1. Choose from different calculation programs 2, e.g. for products such as piston rod cylinders 3, or to calculate air consumption 4. You can also reach the calculation programs from any product page via the right-hand navigation 5.
Looking for an AVENTICS alternative to a competitor product? In our Cross Reference Tool, you can search for your currently installed pneumatics components and receive corresponding AVENTICS products as a result. Simply enter the material or serial number of the third-party product and you will find product information, prices, and online ordering options, and can even configure your product yourself.

- Easy conversion of competitor products
- Material or serial number search
- AVENTICS product identified right away
- Configure, document, order
CylinderFinder: The quick way to find the perfect cylinder for your application

Enter only the key performance parameters for your pneumatic cylinder into the AVENTICS CylinderFinder and receive a list of all applicable cylinders that are appropriate to your application. After you have made a selection, you are forwarded to the directly linked configuration program. Of course, AVENTICS also offers specific cylinder solutions that are precisely tailored to the needs and requirements of our customers – including comprehensive warranties.

- No installation necessary
- Intuitive operation, does not require extensive knowledge of pneumatics

As a result, all possible cylinder series are listed with the key basic data and additional comparison values – weight, speed, air consumption, etc.

The selection can be refined according to the desired specifications via the comprehensive filter menu.

Application data input: stroke length, mass load, time, load movement direction and pitch angle, cycles per hour, additional detailed data as an option – intuitive navigation with help information.
Buying pneumatics in today’s age: Your product in four simple steps

Surely you have shopped online at home. AVENTICS makes professional shopping just as easy with a solution tailored to engineers and purchasers alike. Convenient search, quick access to your cart, easy-to-use tools.
1. PRODUCT SEARCH

- Online catalog
- Configurator
- Calculation programs
- CylinderFinder
- Cross Reference Tool

2. SHOPPING CART

- Registration
- Confirmation e-mail

3. REGISTRATION/LOGIN

- Login

4. CHECKOUT

- Pay
- Order overview
- Order confirmation
- Delivery
The Media Center:
All product and marketing content at a glance
Do you need precise information for product assembly, commissioning, or maintenance? Are you searching for didactic materials on the topic of pneumatics? The AVENTICS Media Center offers all this and more, including a wealth of additional information and catalogs in the various different categories. You can download these documents as PDFs and also print them out as needed. Use our instructions, view key data when you have a spare moment, or file the information away for a later date.

Technical information:
Bundled pneumatics expertise to supplement our online world
You can obtain in-depth information sorted according to product groups in our collection of technical information. Everything you need to know about:

- Applicable guidelines such as ATEX or ISO standards
- Compressed air quality or IP protection classes
- Product-specific information on system configuration (calculating forces, air consumption, etc.)
- Storage and transport of our products

You will find technical information at all product levels in the catalog. Alternatively, you can use our convenient search function in the Media Center to download the latest PDF version.

Our complete Media Center is available at:
www.aventics.com/mediacentre
Always find what you’re looking for: In our spare parts catalog and online catalog archive

Quickly find older products and technical data sheets
Direct link to the required product with successor series
Entire spare parts range in the spare parts catalog

For more information on spare parts, refer to the service pages on our website.

Just the right spare part – your order’s in the bag!
If you need a spare part, due to wear or for stock, you can find it in our spare parts catalog and conveniently place an order.

- Quickly find older products and technical data sheets
- Direct link to the required product with successor series
- Entire spare parts range in the spare parts catalog

Seek and you will find – in our product archive!
Looking for technical data on one of our older products? No problem, that’s what the search function is for. Simply enter the series or material number you are looking for in the search field. You can also quickly see whether a “successor series” is available for a product group.

Spare parts catalog:
www.aventics.com/spc
Your advantages

- Free, complete online offering
- Convenient, targeted shopping
- Product searches and configuration
- Circuit diagrams and documentation included
- Quickly convert competitor products
- Simple ordering
- Efficient business processes
- Your projects available online
- Professional Engineering Tools
- Extensive document database