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We connect piping systems.
SCHUCK GROUP
We connect piping systems.

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“THE SCHUCK GROUP IS REPRESENTED IN OVER 50 COUNTRIES BY FIVE INTERNATIONAL BRANCHES. WE PRODUCE AND MARKET PARTS TO CONNECT PIPELINE SYSTEMS USED FOR THE TRANSPORT AND CONTROL OF FLUIDS OR GASEOUS SUBSTANCES IN THE TRANSPORT AND ACTUATOR DIVISIONS, AND PARTS FOR DISTRIBUTION ALL THE WAY TO THE END USER IN THE DISTRIBUTION DIVISION. IN OUR SERVICE DIVISION WE PROVIDE OUR CLIENTS WITH ON-SITE SUPPORT. THIS IS SOMETHING WE’VE BEEN DOING FOR OVER 40 YEARS WITH QUALITY, INNOVATION AND RELIABILITY.”
SCHUCK TYPE G BALL VALVE

The fully-welded Schuck Type G ball valve doesn’t only look impressive at first sight. This shut-off valve for liquid and gaseous substances requires absolutely no maintenance, is manufactured to a size of 60”/DN1500 and may weigh as much as over 30 tons, including the actuator system.
SCHUCK GUIDING PRINCIPLE AND VALUES
Our focus is on the customer.
»IF A MAN KNOWS NOT WHAT HARBOR HE SEEKS, NO WIND IS FAVORABLE.«

Lucius Annaeus Seneca (4 B.C. – 65 A.D.)

Only those that have goals and visions can achieve them. Our guiding principles, together with our corporate values, provide us with the correct foundations as we put them into practice on a daily basis.

**GUIDING PRINCIPLES**

**Our focus is on the customer**
We are partners to the energy and supply industries, and use our products to connect their pipeline networks to form safe units. We do all necessary to solve the problems of our customers and provide them with what they want. Our day-to-day efforts are focused on the external and internal client.

**VALUES**

01 **Efficiency**
Both we and our products are efficient and profitable.

02 **Connecting**
We work as a team and we assist one another in our tasks.

03 **Consistency**
We implement our plans consistently, purposefully, and boldly.

04 **Flexibility**
We respond quickly and flexibly to change.

05 **Honesty**
We are honest and direct with one another and with our customers.

06 **Reliability**
We stand by our word and we keep our promises.

07 **Communication**
We communicate positively and completely as a basis for successful working.

08 **Responsibility**
We all bear responsibility for ourselves, for our work, for the company and for the environment.

09 **Development**
We learn from our actions and continue to develop ourselves and the company.

10 **Sustainability**
We strive to achieve sustainable solutions.
A fully-welded Schuck Type G ball valve can withstand internal pressure of up to 250 bar (CL 1500). This is comparable to pressure of a professional pressure washer – but with a pipe diameter of up to 152 cm!

Schuck actuator systems are able to generate torques of up to 600,000 Nm. The innovative Scotch yoke mechanism allows the pressure to be applied precisely where it is needed.

The Schuck Group is able to create valves with diameters of up to 60” or 1.5 m. This is particularly impressive, particularly with the fully-welded Type G ball valve.

6,781 tons of steel are processed every year in the Schuck Group. They are processed into ball valves, actuators, house connections, insulating elements, sleeves, insulating joints, etc.

Lightning hits the ground about 600 times around the world each minute. Currents of up to several million volts can cause considerable damage to pipelines. The Schuck insulation section element with annular spark gap, which we invented, is able to withstand this force of nature, however.

Our plant in Steinheim, Germany encompasses over 40,000 m² of production, storage, and office space. Work is already underway to create even more space, because the Schuck Group just keeps on growing.

The Schuck Group brings its 40 years of experience to bear in any business relationship. Given the fact that the gas market is really quite young historically speaking, we are among the most experienced companies.
<table>
<thead>
<tr>
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### 30,024
30,000 liters of hydraulic oil are needed every year to run the tried-and-tested Schuck hydraulic actuators. That’s around 200 bathtubs full.

### 75
The Schuck Group has registered over 75 brands and national and international patents for methods and utility models since 1972. This makes us one of the principal innovators in the industry.

### 50
Schuck products are used in 50 countries around the world and provide for the effective transport and distribution of fuels.

### 8,700
The longest pipeline secured using Schuck ball valves was 8,700 km long. It runs from Turkmenistan via Kazakhstan to Hong Kong, and began operation in 2009. It is used to transport a total of 40 billion m³ of natural gas every year.

### 1,603
There are currently 1,603 variations of our tried-and-tested Schuck gas and water house connections alone – taking into account all fitting possibilities and construction lengths. Tried, tested, and certified – genuinely a domestic connection for all needs!

### 30,024
Around 90,000 domestic connections are sold every year by the Schuck Group. If they were to be placed end-to-end, they would cover a length of around 121,000 km. This would circle the earth three times over.

### 2
This family business from the Swabian town of Steinheim-am-Albuch is now being managed and expanded by the second generation of entrepreneurs.

### 10,001.642
Around 10,000,000 kg of products are dispatched by the Schuck Group every year. From domestic connections to 60” ball valves, delivered to over 50 countries around the world. And this number is rising!

### 5
Five international branches in England, Hungary, Slovakia, India, and China ensure that we are always close to our customers.
SCHUCK FIGURES AND MARKETS
International references and branches.

EUROPE
- Germany
- United Kingdom
- Austria
- Switzerland
- Hungary
- Belgium
- France
- Norway
- Turkey
- Croatia
- Italy

NORTH AMERICA
- United States
- Mexico
- Canada

SOUTH AMERICA
- Brazil
- Venezuela
- Ecuador
- Peru

AFRICA / MIDDLE EAST
- Egypt
- Sudan
- Libya
- Algeria
- Kuwait
The Schuck Group supplied 130 ball valves complete with actuators for the Asia Gas Pipeline, which covers 1,818 km from Uzbekistan to China. The solar panels and integrated emergency power supply unit operating using rechargeable batteries ensure that the actuator unit always gets the power it needs. The integrated GSM module enables the actuator to be operated several times, even under the cover of complete darkness and even if the main power supply has failed. Security at its finest.
SCHUCK PRODUCTION AND QUALITY
Standards and certifications of the Schuck Group.
As a traditional German company, we put maximum value in quality. Only the best is good enough for our customers around the world, and this is what we work on non-stop.

All of the products that leave our production floor are used in security-critical situations. Schuck products, as shut-off valves, insulating elements, house connections, actuators or control elements, are used to connect pipeline networks to secure units.

The conditions to meet these high standards are already met when we select our partners and suppliers. High-quality materials, consistent quality and the required reliability provide a basis in advance for a product of high quality.

Our own quality division ensures that the entire process runs smoothly – from the receipt, processing and production of the goods up to the certification of the final product.

The actual production process only ever takes place in the company’s own production facilities. The high level of attention to details paid to production contributes considerably to offering a high standard with respect to quality, speed and reliability. From tool construction to plastic and metalworking, from the company’s own forge to the lathe, milling, and welding divisions, Schuck’s production process stretches from the processing of the raw material to the final product.

The company’s own testing rigs allow the products to be put under the magnifying glass in the final stages. Our products leave our company with the appropriate certificate only after qualified specialists and the German TÜV certification body have provided their final seal of approval.

Schuck represents the brand and optimum production quality that Germany is known for. And so that we can have this in writing a swell, we regularly obtain certification in accordance with numerous international standards.
SCHUCK ENVIRONMENT AND SAFETY
Towards a common future for mankind and nature with a sense of responsibility.
“THE ENVIRONMENT IS WHAT OUR WORK IS BASED ON. THIS IS WHY THE RESPONSIBLE USAGE OF RESOURCES AND OUR RESPONSIBILITY TOWARDS NATURE ARE SO VERY HIGH ON OUR LIST OF PRIORITIES.»

Our commitment to responsible development and production and the sustainable use of our products make it critical for us to conform to society’s expectations with respect to security, health and environmental protection. Our products connect pipelines used to transport and distribute natural substances such as water and gas, for instance. This makes us directly dependent on how nature and our environmental operate. Together with our customers and the entire value chain right down to the end consumer, this makes the sustainable usage of our resources expedient and necessary.

In order to reinforce this principle, we have obtained certification as ISO 14001:2004 and OHSAS-compliant from the TÜV in Saarland. These international environmental management and health and safety standards set internationally-recognized standards with respect to the health of employees, to our environment, and to work safety. The HSE principle (health, safety, and environmental) represents the focus of how we continuously improve ourselves. This system for meeting the high standards expected in relation to processes, employees and working resources, is the basis for long-term, assured success with its focus on planning, execution and monitoring.

With all of these measures and certifications, however, we still have our eye on the focus of our day-to-day activities – the customer. The customer is what drives our work and is our most important critic and motivator.

A focus on the customer, the responsible usage of our resources and the health of all persons involved are some of our greatest challenges. Only in this way can economic success and social responsibility can sustainably go hand-in-hand.
SCHUCK PERSONNEL AND RESPONSIBILITY

Staff development, safety, and training.
Our most important asset is our staff. They not only provide superb services for our customers, but they are the foundation on which a lively, developing company is built.

With a trainee-to-employee ratio of almost 15%, we ensure that our personnel are both well-qualified and motivated in the medium and long term. Training is not only provided in commercial activities. Young people in the Schuck Group have been studying technical and commercial professions at the Duale Hochschule Baden-Württemberg for over 20 years. Almost 100% of the trainees are subsequently employed by the company.

To ensure that learning doesn’t stop once the final exam has been passed, the Schuck Academy was started several years ago. The company’s own learning academy provides production staff, office workers, and management personnel with ongoing training to provide them with new skills and enhance existing ones. From language courses to qualification programs to active training – we constantly intervene to ensure our staff are always well-qualified and highly motivated. This means that the development, production, and maintenance of our products are always state-of-the-art.

So that we don’t lose sight of the security, safety, and of the responsibility that we shoulder for our employees and their families, we commit special attention to safety in the workplace and to the health of our employees. First aid training, defibrillators, and a wide range of safety regulations are just a few of the means by which we achieve this.

We are absolutely sure of the fact that these measures implemented for our employees will also benefit our customers and ourselves in the medium and long term. An investment in the future for our joint business relations.
SCHUCK BACKGROUND
The milestones in the development of the company and products from 1972 up until today.
»40 YEARS OF COMPANY HISTORY CREATE AN OBLIGATION FOR THE FUTURE. FROM THE VERY BEGINNING, THE SCHUCK GROUP PUT ITS TRUST IN INNOVATION AND INTERNATIONAL BUSINESS. THIS STILL APPLIES TODAY.«

01. 1972 – Heidenheim an der Brenz
Franz Schuck founds the company and, in doing so, takes a big step for himself and his young family.

02. 1974 – New home and relocation
After a successful first couple of years, Franz Schuck lays the foundations for the company’s new home in Steinheim am Albuch. The company relocates.

03. 1976 – Fire-safe ball valve
Franz Schuck GmbH develops and invents the revolutionary fire-safe ball valve for house connections. This innovation makes house connections to gas networks considerably safer.

04. 1978 – Insulating Joint
Franz Schuck develops and constructs the SHD insulating element, which is still produced even today. It use finally makes insulating elements durable and a safe investment.

05. 1983 – Sleeve coupler
The simple and ingenious Schuck SMU sleeve coupler revolutionizes the connection, distribution, and separation of pipelines in 1983.

06. 1983 - Corner Ball Valve
Also in 1983, Franz Schuck developed the corner ball valve for house connections. In doing so, he made it possible to create cost-effective, compact 90-degree turns in domestic gas connections. New and unknown back then. Today an industry standard, invented by Schuck.

07. 1990 – First joint venture
Schuck recognizes the opportunities from the opening of the East and establishes the first joint venture in company history in Budapest, Hungary.

08. 1996 – Borsig Kugelhahn GmbH
The acquisition of Borsig Kugelhahn GmbH and the relocation of production to Steinheim marks the start of a new era for Franz Schuck GmbH. The first large-sized ball valves leave the production line.

09. 2003 – Schuck Service
In order to do justice to the growing customer base, the new company division Schuck Service is founded in the strategically important city of Berlin, Germany.

10. 2006 – Schuck India
A new branch and a new service office is added to the high-growth Indian market.

11. 2008 – Schuck China
The Schuck China branch office is opened in Shanghai. China is a rapid-growth market and requires a more active presence.

12. 2009 – Schuck UK
To expand the company’s presence in the northern European market, the office in Hinckley, Great Britain is opened.
The »Sanova« cleansing capsule is the first pivotable cleansing capsule for house connections with the innovative, adaptive mounting plate. It is ideal for the simple, fast, and safe cleansing of old domestic gas and water connections, even under the most difficult construction conditions.
SCHUCK TRANSPORT

The integrated product spectrum of connection elements for pipeline systems for transporting fluid and gaseous substances.
The transport of fuels is becoming increasingly important. These fuels need to be transported ever further under challenging complex conditions. Our products enable this.

Energy is consumed wherever it is ultimately needed. One of the major tasks of recent years, as well as in the future, is to transport the fuels to their final destination.

And this is not just related to energy. Water, CO2 and other gaseous and fluid substances also need to be brought to their respective destinations in light of the global nature of economy.

This strategically-important transfer is the task of our Schuck Transport division. Here, we plan, develop, and produce connecting component for the above-ground, underground and underwater construction of pipelines. All of our products only have one goal – to make the powerful supply lines of our Earth safer and more secure. Ball valves help to control the pipelines, insulating elements help to electrically isolate the pipelines and pig launchers and receivers support maintenance of the pipelines.

For long-distance transport of the substances, sometimes over thousands of kilometers, it is self-evident that only products of the highest quality can be used. Schuck Transport products have proven their value in decades of use and have passed every test that they have been subjected to.

This is why there is a product from our Transport division in almost every major pipeline on this planet. In China. In India. In Russia. In Germany. In Egypt as well. Not to mention 45 other countries on this Earth.

Efficient and reliable. The entire product range can be found in the list on page 34. For references and other certifications, please contact us directly. We look forward to hearing from you!
SCHUCK ACTUATORS

The integrated product spectrum of actuator elements for the control and monitoring of shut-off valves.
ACTUATORS AND CONTROL SYSTEMS ARE THE BRAIN OF EFFECTIVE VALVES. A MODERN AND EFFICIENT CONTROL SYSTEM IS A REQUIREMENT FOR LONG-TERM OPERATION.

The requirements that transport pipelines for water, gas, and oil have to meet rise perpetually. The stretches of terrain to be traversed constantly grow with projects stretching across continents. The quantities transported are always increasing, and our energy-hungry society consumes ever more energy.

In addition to our products from the Transport division, it is our actuator systems in particular that provide the necessary security. It is these that enable the valves to be operated reliably at all times, providing control over the pipelines in the event of an emergency.

This is the task of the Actuator division. The intelligent, highly efficient systems are the brain of modern valves and provide not only passive support to be able to act at the right moment. The active components such as the automatic pipe fracture response or pipeline pressure monitoring systems not only provide monitoring for the valve, but also for the pipeline.

The high-quality Schuck actuators were primarily developed for the company’s own valves. Only the best is good enough for us. The superb reputation and the high quality, however, have long ensured that Schuck actuators are to be found on valves from many manufacturers around the world.

Whether used for manual operation, hydraulic actuator systems or high-efficiency electro-hydraulic actuator systems – Schuck actuators are suitable or adaptable to all nominal pipe widths and valve types. Efficient and reliable.

The entire product range can be found in the list on page 34. For references and other certifications, please contact us directly. We look forward to hearing from you!
SCHUCK DISTRIBUTION

The integrated product spectrum of connection elements for pipeline systems for supplying town environments.
Fourty years ago, Franz Schuck began to supply the first distribution products to energy suppliers in Germany. Since that time, not only has the former three-man company become an international group of companies, but the requirements related to supply have changed massively. Although towns and cities have been supplied with gas using pipelines for over a century, the rapid pace of change over the last decade has given rise to a transformation in the way our energy is supplied.

Smart grids, alternative energy sources, the liberalization of the energy market, the global economy and the opening of borders have ensured that urban supply is in a state of constant flux. Whether it is for fuels like gas or oil, or whether it’s our most precious means of sustenance – potable water – the Schuck Group has always offered the right solution to meet the need, now and then.

Domestic gas and water connections for transferring fuels to the end consumer, insulating elements and joints for safer pipes and sleeves for pipeline construction help energy suppliers to provide energy to their customers safely and efficiently and help meet the most important obligation of the local energy and water supply companies. Products such as the Schuck cleaning capsules „Sanova“ ensure that half-life value requirements are also met. The overhauling of aging domestic connections has ensured that our gas and water supply networks remain safe and reliable.

This is the task of the Distribution division – to supply connector element for pipelines needed for the urban distribution of gas and water.

The entire product range can be found in the list on page 35. For references and other certifications, please contact us directly. We look forward to hearing from you!
SCHUCK SERVICE

The integrated service spectrum of connection elements from customer service to repairs to training for products by Schuck and third parties.
Our job isn’t finished when our products have been dispatched. Safety-critical components such as our shut-off valves or Schuck actuator systems need to be properly installed, initialized and maintained.

Maintenance is particularly critical in the calculation and adherence to probabilities of failure (SIL values). It is not only the process itself that is critical, but particularly the quality of the maintenance work performed.

The Schuck Service division assumes these duties. Internationally. Reliably. Expertly. Our range of services covers everything – from maintenance to repair, from renovation to replacement, from new parts to consulting and training. This applies not only to Schuck’s own products, but also to many third-party manufacturers.

The team also performs all repair and maintenance work, including procurement of spare parts, for ball valves manufactured by Borsig – in accordance with company tradition. If the necessary spare parts are no longer available, we specially produce these on the basis of available documentation ourselves.

Our international team, with service offices in India, China, Kazakhstan, Uzbekistan and Germany, is always up-to-date, and works both on and off-shore.

The entire range of services can be found in the list on page 35. For references and other certifications, please contact us directly. We look forward to hearing from you!
The fire-safe test is performed on our own premises. The Schuck Group possesses one of the few devices in Germany that are needed for these complex high-performance tests. The test involves filling the ball valve with water and placing it under pressure. During the flame exposure test, the structure is required to withstand exposure to 650°C for at least thirty minutes internally and externally before it can be declared ready for customer-use. After all, security has maximum priority for us.
# SCHUCK PRODUCT RANGE

An overview of the range of products in all of our company’s divisions.

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## SCHUCK TRANSPORT

**Ball Valves**
- Ball Valve Type G Fully Welded, 1/2” - 2”; CL150 - 1500
- Ball Valve Type G Fully Welded, 3” - 12”; CL150 - 900
- Ball Valve Type G Fully Welded, 14” - 60”; CL150 - 900
- Ball Valve Type S Split Body, 2” - 3”; CL150 - 2500
- Ball Valve Type S Split Body, 4” - 56”; CL150 - 1500
- Ball Valve Type U Top Entry, 6” - 12”; CL150 - 2500
- Ball Valve Type U Top Entry, 14” - 24”; CL150 - 1500
- Ball Valve Type U Top Entry, 28” - 42”; CL150 - 900
- Jet Control Check Valve DRV, 1” - 24”; CL150 - 1500
- Jet Control Check Valve DRV, 28” - 56”; CL150 - 900

**Insulating Joints**
- Insulating Joint Type SHD, 1” - 56”; PN50 - 420
- Insulating Joint Type SHD Water, 3” - 56”; PN50 - 420
- Insulating Joint Type SHLO, 1” - 56”; PN50 - 420

**Fittings**
- Compensator Type SDS, 3” - 40”; PN50 - 100
- Pig Launcher Type SMO, 3” - 60”; bis CL900
- Collector, 3” - 60”; bis PN230
- T-Fitting, 3” - 60”; PN50 - 320

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## SCHUCK ACTUATORS

**Direct gas and Gas over oil**
- Gas over oil actuator system Type G
- Direct gas system actuator system Type KY

**Pneumatic**
- Pneumatic double-acting actuator system Type K
- Pneumatic spring return actuator system Type K7/K8

**Electrohydraulic**
- Electrohydraulic actuator system Type C
- Electrohydraulic actuator system Type X
- Electrohydraulic spring return actuator system Type C7/C8

**Electric**
- Electric actuator system

**Manual**
- Manual actuator system
Gas House Lead-Ins
Gas House Lead-Ins HSP, 1” - 2”, PN5
Gas House Lead-Ins HSP-FLEX/PEFLEX, 1” - 2”, PN5
Gas House Lead-Ins HS, 3” - 6”, PN5
Gas House Lead-Ins HS-FLEX, 3 - 6, PN5

Water House Lead-In WHP, 1” - 2”, PN16
Water House Lead-In WHP-PEFLEX, 1” - 2”, PN16
Water House Lead-In ROKA-V, 3” - 6”, PN10

Cleansing Capsule Sanova, 1” - 2”, PN5
Cleansing Capsule SKR, 2 1/2” - 4”, PN5

Multiple-Service House Lead-Ins & Cabinets
Multi-Service House Lead-In MSH 2000/FUBO, 1” - 1 1/4”, PN5/16
Single-Service House Lead-In GEH/WEH, 1” - 1 1/4”, PN5/16
Gas Cabinet SGR

Build up T-Fittings
Build up T-Fitting AT/ATV with Valve, 1” - 2”, PN16/10

Insulating Joints
Insulating Joints TS/ST, 1” - 8”, PN5
Insulating Joints SHD, 1” - 60”, PN16 - 50
Insulating Joints SIF, 1” - 40”, PN16 - 150
Insulating Joints SIF Conversion Kit, 1” - 48”, PN10-100

Fittings
PE-Steel-Connector PESS, 1” - 32”, PN10
Sleeve SMU/SU, 1” - 40”, PN16 - 100
T-Fitting, 3” - 60”, PN16 - 50
Compensator SDS, 3” - 60”, PN16 - 50

Ball Valves
PE ball valve PEK, 1/2” - 4”, PN10
Ball valve SK, 1” - 6”, PN5
Subsurface ball valve SKPE-E/SKS-E, 1” - 8”, PN10/16

Blowdown Lines
Blowdown Lines SA, 1” - 2”, PN16/10

Maintenance and servicing
Condition analysis
Maintenance plans
Maintenance
Repairs
Project planning
Logistics planning
Spare parts supply
Spare parts processing
Spare parts production
Repairs
Recommissioning
Conversions
Project planning
Logistics planning
Parts provision
Part production
Part reconstruction
Conversion work
Initial operation
Spare and new parts
Spare parts
New parts
Processing
Counseling and Training
Modification consulting
Realisation consulting
Product trainings
Startup procedure trainings
Service trainings
We manufacture and distribute components for connecting pipeline systems in more than 50 countries, with 5 international offices and over 40 years of experience.

Do you want to find out more about a specific product?
Give us a call, or visit to our website at www.schuck-group.com.