

## Applications

- Showers
- Household electrical appliances
- Water distribution
- Gas flow and regulation
- Hydraulic and pneumatic applications
- Automobile sector
- Sanitary fixtures
- Various applications

### | Showers

The showers sector is presented separately from the Sanitary - Taps and Fittings sectors, because, as it falls **within the realm of** confort, it's creating lively interest and experiencing rapid growth.



Elastotech's wide array of gaskets and elements used here are not only non toxic and heat resistant, which are basic requirements, but are **also extremely practical and aesthetically pleasing**, which are special needs of this sector. Elastotech contributes to well-being relaxation.

Specific gaskets/seals for the shower production sector: anti-scale, for high temperatures, shockproof, anti-abrasive, aesthetic, coloured to RAL to PANTONE® chart, non-toxic, LSR (Liquid Silicone Rubber), approved for use in contact with hot and cold drinking water (NSF, WRc, KTW, DVGW, ACS, FDA, etc.), high strength, extremely elastic, two-part, rubber-metal, rubber-plastic, overprinted, rubber+stainless steel mesh filter, etc.

### | Household electrical appliances

Numerous elements are used in the broad sector of household appliances, which has various and diverse needs. Some of the fundamental characteristics peculiar to this sector are **compatibility with food**, achieved through special mixtures such as silicon, which is odorless and tasteless, and **resistance to high and low temperatures, as well as mechanical resistance and electrical insulation**.

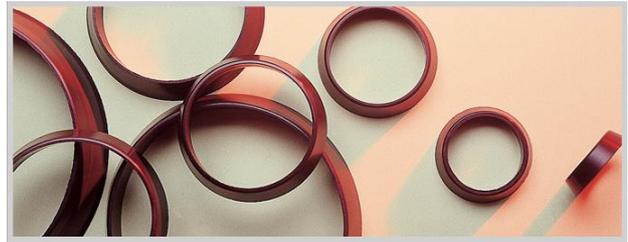


Elastotech works with industries in the sector to make everyday life **safer and more comfortable**.

Special gaskets to be used in the production of large and small electrical appliances: non-toxic, approved, insulating, conductive, two-part, rubber-plastic, rubber-metal, overprinted for very high and low temperatures, LSR (Liquid Silicone Rubber), steam-proof, wear-proof shockproof, ripproof, aesthetic, coloured to RAL or PANTONE® chart, etc.

## | Water distribution

Water systems, irrigation, heating and sewage: gaskets designed for transporting, distributing and regulating water flow are used in these sectors. What's required here is the ability to ensure a **tight seal under diverse operating**



**conditions** (in terms of temperature, pressure, the fluid's chemical composition, and so forth). Elastotech provides the ideal product, formulated according to the most advanced technological criteria. For example, for membranes, the quality of the mix elasticity, and compliance with size tolerances are fundamental

Special gaskets for the industry of water transportation, distribution and use: non-toxic, approved for use in contact with hot and cold drinking water (NSF, WRc, DVGW, ACS, FDA, etc.), for high and low temperatures, anti-abrasive, LSR (Liquid Silicone Rubber), high mechanical and chemical resistance, rip-proof, approved to EN 681, extremely elastic, for special and aggressive liquids, anti-ozone and weatherproof, anti-glycol and anti-chlorine etc.

## | Gas flow and regulation

Technically speaking, the characteristics of the elements utilized in this sector are not very different from those required for distribution, transport and regulation of water flow. But because we are dealing with gas, **safety needs become inevitable priorities**. For Elastotech, this means selecting the most suitable mixtures and carefully controlling every phase of the production process, so the membranes and other regulating elements perfectly meet the rigorous parameters required, down to the smallest thicknesses. When producing these articles, Elastotech uses mixtures analyzed and **approved according to recent European and international norms (EN 681)**.

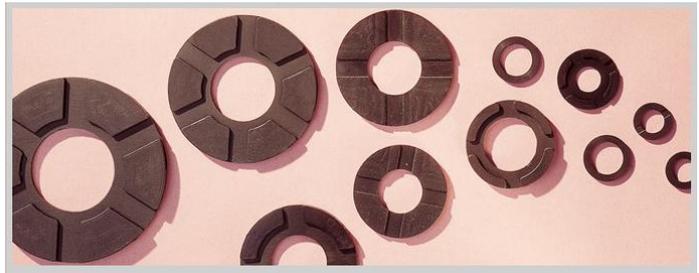


For Elastotech, safety is a priority.

Gaskets designed for use in equipment for regulation, control flow and management of gas: highly elastic, for high and very low temperatures, for oils, special chemical agents and gases, high mechanical and chemical resistance, approved to EN 549, extremely precise, two-part, rubber-plastic, rubber-metal, overprinted, rubber-cloth, extremely constant and precise in minimum thickness, crush-proof, etc.

## | Hydraulic and pneumatic applications

Where there's a piston pushed by oil or air under pressure, there's a gasket that has to hold the seal. For a system to function at its best, this gasket must be highly resistant to wear and tear, must be extremely elastic, and above all, must have a low friction coefficient. Essentially, the oleodynamics and pneumatics industry demands **top performance from a gasket**.



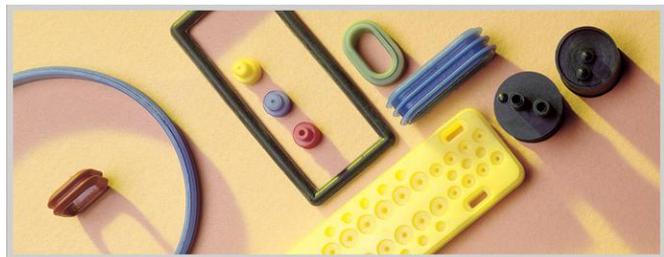
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Elastotech can fully meet these needs, for example by designing special self-lubricating or treated mixes and creating a line of gaskets with special shapes (lipped or other forms).

Gaskets in standard and special sizes specifically designed for use in the hydraulic and pneumatic fields in general: elastic, crush-proof, anti-abrasive, self-lubricating, rip-proof, with special mixes and treatment, shockproof, for particularly aggressive liquids and oils for very high and very low temperatures, wear-proof, very strong, exceptionally resilient, etc.

## | Automobile sector

The automobile sector has a vast field of applications, to which Elastotech **has provided an array of solutions**, from the most refined to the most simple. The high performance demanded requires the best of the various elements. Essentially,



requirements involve resistance to extreme temperature fluctuations (from -60°C to +300°C); oils, additives and fuel; the electrical conduction. Or they may involve protection - from dust, for example.

At the other end, we find seemingly negligible articles that actually improve our relationship with automobiles, making it more comfortable and pleasant.

Gaskets specially designed for applications in the motor car and motive industry in general. Insulating and conductive, elastic, weather stripping, for very high and very low temperatures, for particular and aggressive oils and liquids, approved according to the most stringent specifications, high chemical and mechanical resistance, anti-abrasive, anti-petrol, two-part, rubber-metal, rubber-plastic, overprinted, LRS (Liquid Silicone Rubber), shockproof, aesthetic, coloured to RAL or PANTONE® chart, etc.

## | Sanitary fixtures

The elements used in the sanitary and taps and fitting sector must primarily satisfy the need for resistance to high and low temperatures and wear and tear (low permanent deformation and high elasticity). But most importantly, they need to have one



**particular characteristic: non-toxicity.** For this reason, when producing these elements, Elastotech uses silicon mixtures with excellent physiological characteristics (in compliance with ACS, NSF, KTW, and so forth).

**Gaskets/seals developed for the sanitary** fixtures production sector in particular: anti-scale, for high temperatures, anti-abrasive, aesthetic and coloured to RAL or PANTONE® chart, non-toxic, LSR (Liquid Silicone Rubber), approved for use in contact hot and cold drinking water (NSF, WRc, KTW, DVGW, ACS, FDA, etc.), very strong, exceptionally resilient, extremely elastic, two-part, rubber-plastic, overprinted, etc.

## | Various applications

Lastly, there are elements that cannot be categorised to any one sector and which are extremely different to each other, although not for this any less important in Elastotech's overall production. They are articles **for biomedical applications** (which therefore



also require mixes of maximum purity); for costume jewellery; for the building trade; for electronics; for the conveyance of elasticity; for the aerospace industry (extreme precision and constancy); even for fashion. All things considered, these objects have something in common;

as a **whole they improve our daily universe**, making us feel better in it because we can use it with increasing naturalness and freedom.

**Gaskets for applications of all types**, mass-produced or to request, with standard mixes or specially studied mixes to resolve all sorts of sealing problems even under particularly difficult conditions of use or in the presence of completely different contact elements.

The fields in which these gaskets are applied include: aeronautics, medicine, costume, jewellery, shipbuilding, mining, packaging, manipulatio, mechanics, electronics, toy/games, publishing, household appliances, lighting, paramedics, medicaments, recycling, constructions, weapons, atomic, electric, railway, extraction, telephony, filtration, purification, robotics, accident-prevention, horticulture, textiles, pharmaceuticals and many others.