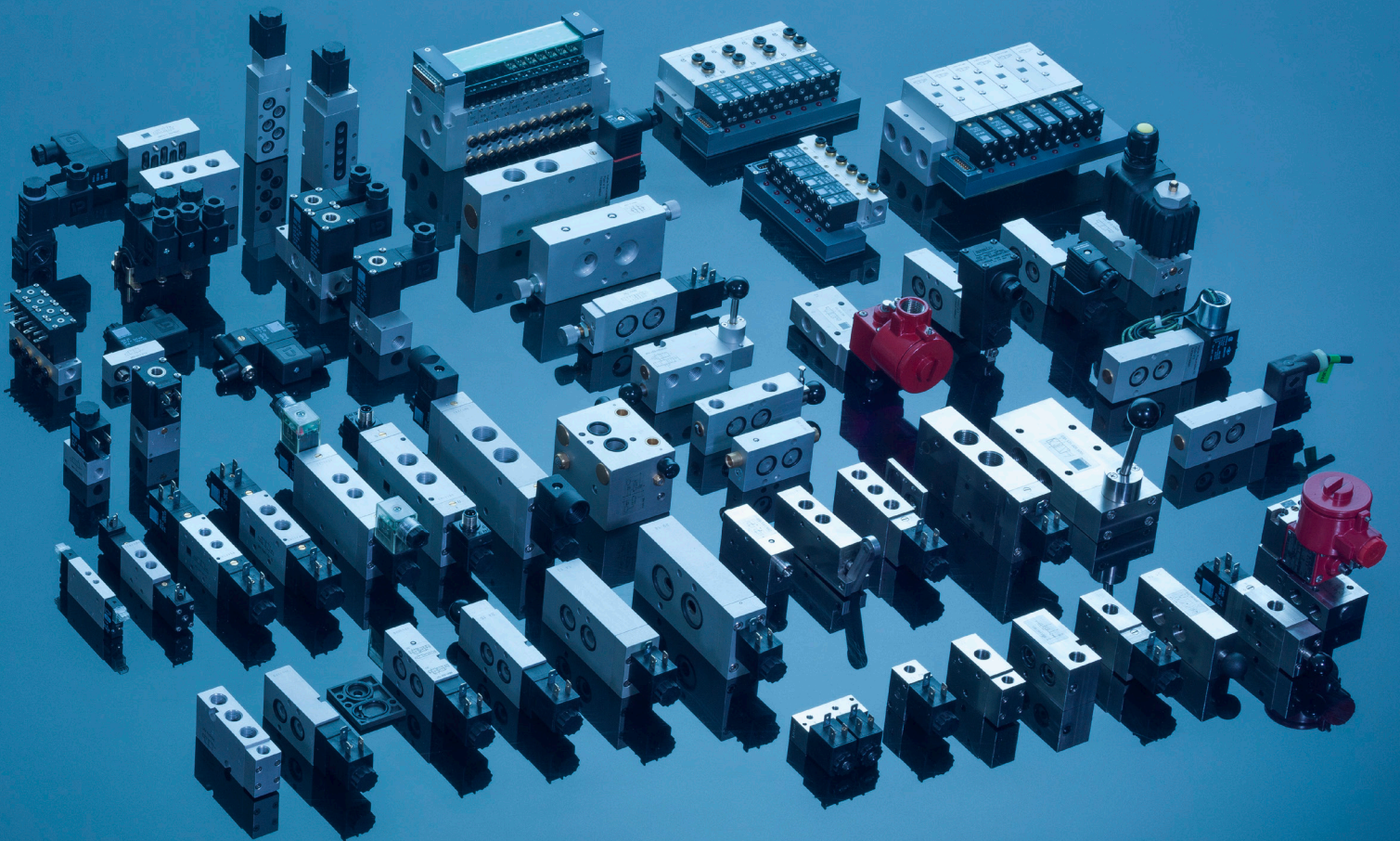


# Valves 2021



**30**

**YEARS  
HAFNER**

**HAFNER Pneumatik**  
Excellence in Pneumatics

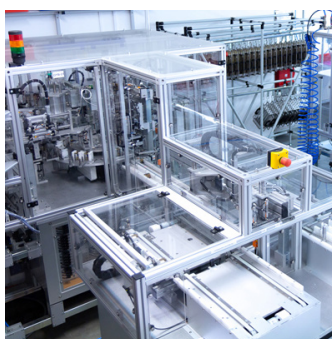
**HAFNER**



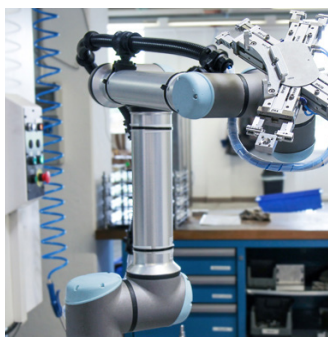
# 30 Years of Continuous Innovation

The Hafner team has been accompanying its partners in automation technology for 30 years.

In the past three decades the company has developed from a simple workshop to a medium-sized company. Starting with clamping elements and profiles for automation technology, the focus of everything we do has been on pneumatic valves since 1993.



We produce our valves nowadays on a total manufacturing area of over **2,000 m<sup>2</sup>**. The founding team of 4 has meanwhile grown to over **100 employees**. In addition to the factory in Hungary, our German export office serves our partners in over 50 countries around the world. We owe this growth to our customers and our team and we are very proud of what we have achieved together.



Then as now, our team of pneumatics enthusiasts develop customized valves according to your requirements. And it doesn't always have to be a large quantity. Our modular product range allows maximum flexibility even for small and medium quantities.

Fast product developments and delivery times are particularly important to us so that your projects can be implemented quickly and downtimes can be kept short.

Low failure rates, a long service life and everything 100% Made in Europe.

This is what distinguishes our valves today and also in the future!



# Product-Catalogue 2021

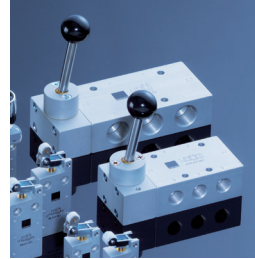
## The Hafner product range at a glance



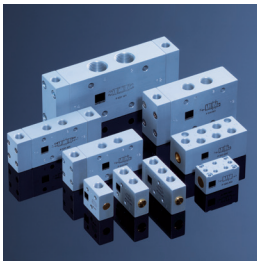
Mechanically Actuated Valves  
Chapter 2.1 / Page 21



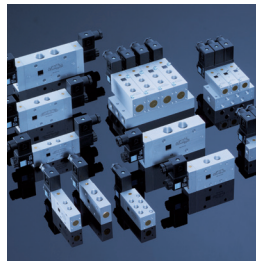
Valves for Panel Mounting  
Chapter 2.2 / Page 31



Lever Actuated Valves  
Chapter 2.3 / Page 41



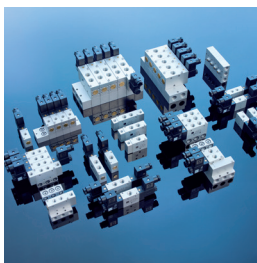
Pilot Actuated Valves  
Chapter 2.4 / Page 49



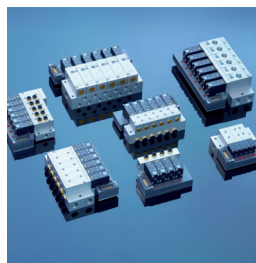
Solenoid Valves  
Chapter 2.5 / Page 81



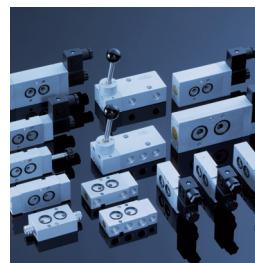
10 mm Solenoid Valves  
Chapter 2.6 / Page 145



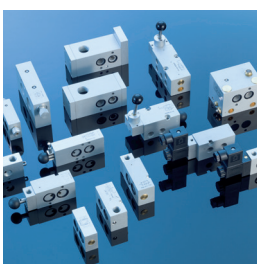
Manifold Plates  
Chapter 2.7 / Page 155



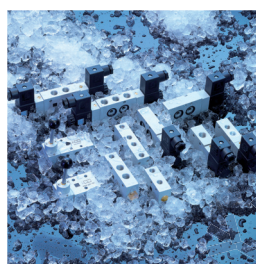
Valve Terminals  
Chapter 2.8 / Page 173



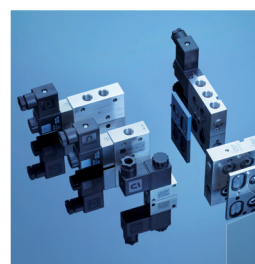
NAMUR-Valves  
Chapter 2.9 / Page 189



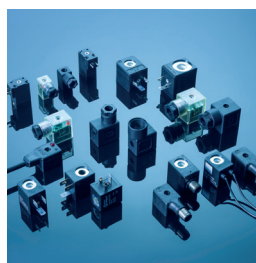
Accessories for  
Smart Valve Automation  
Chapter 2.10 / Page 205



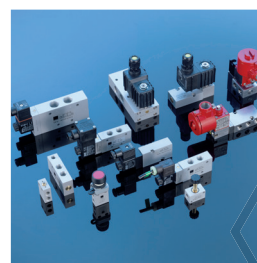
Low Temperature  
Valves -40°C/-50°C  
Chapter 2.11 / Page 222



Stainless Steel Valves  
Chapter 2.12 / Page 250



Coils and Connectors  
Chapter 2.13 / Page 273



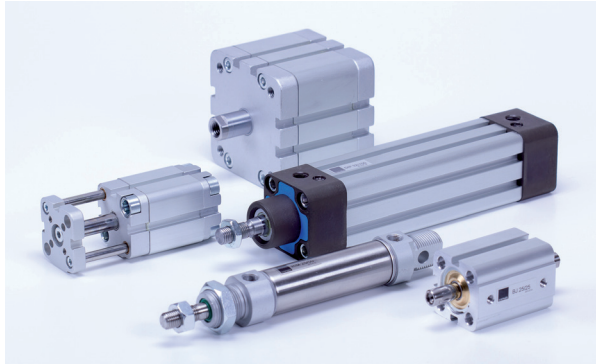
Products for Explosion  
Hazardous Environment  
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# Additional pneumatic elements

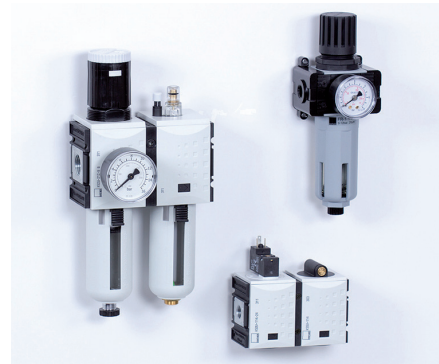
page 4

In addition to high-quality pneumatic valves, Hafner is also offering cylinders, air preparation units, fittings and tubes. Further information such as datasheets and drawings can be found online <http://www.hafner-pneumatik.com/our-products>.



## Pneumatic Cylinders

- Mini cylinders
- Round cylinders according to ISO 6432
- Round cylinders with larger diameters
- Compact cylinders according to ISO 21287
- Compact cylinders according to UNITOP
- Short stroke cylinders
- Profile cylinders according to ISO 15552
- Tie-rod cylinders
- Clamping cylinders
- Fixtures and accessories
- Stainless steel cylinders
- Linear cylinders with NAMUR-interface



## Air Preparation Units

Two different lines of air preparation units:

### Classic line

- Basic and inexpensive range of FRL-units
- Robust design
- Connection plates are interchangeable, therefore high flexibility on port sizes

### Futura line

- Well designed and modern line of FRL-units
- Modular design
- Wide range of accessories such as fine filters, precision pressure regulators, oil bowls with level sensor, unique lubricator filling system, metal bowls etc. available



## Fittings

- Automatic quick couplings
- Function fittings
- Silencers
- Fittings made from stainless steel
- Cutting-ring fittings
- Push-on fittings



## Tubes

- Polyurethane (PUR)
- Polyamide (PA)
- Polyethylene (PE)
- Polytetrafluorethylene (PTFE)
- Spiral- and DUO-tubes