

# For Future Generations



# Contents

Forging history .....	4
A History of Innovation.....	6
Benefits of metal .....	7
Sustainability .....	8
Health Properties of Metal .....	10

## Key Services

Hot & Cold Water Services .....	12
Heating Systems .....	13
Cooling Systems .....	14
Solar & Renewables.....	15
Gas & Medical .....	16
Air conditioning & Refrigeration.....	17

## Application

Educational .....	18
Hospitals & Healthcare .....	20
Military & Secure Facilities .....	22
Hotels & Apartments .....	24
Public Buildings & Offices .....	26
Stadia Leisure & Retail .....	28

Product Suitability .....	30
Specification Clauses .....	30



Early production of fittings - 1950's

Conex Bänninger a brand of the IBP Group, specialises in providing the best plumbing fittings and valves across diverse international markets. More than just the products themselves we are proud of our ability to innovate and bring to industry a complete range of fitting solutions.

For over 100 years, Conex Bänninger has built it's reputation for high quality manufacturing in the UK, supported by first class customer services and experienced field staff.

As we go into the 21st century we remain passionate about our strive for excellence. Conex Bänninger continues to be a by word for quality in the domestic, commercial, industrial, air-conditioning, refrigeration and ship building industries globally.



Global HQ, Kingwindsford - 2013





# Forging history

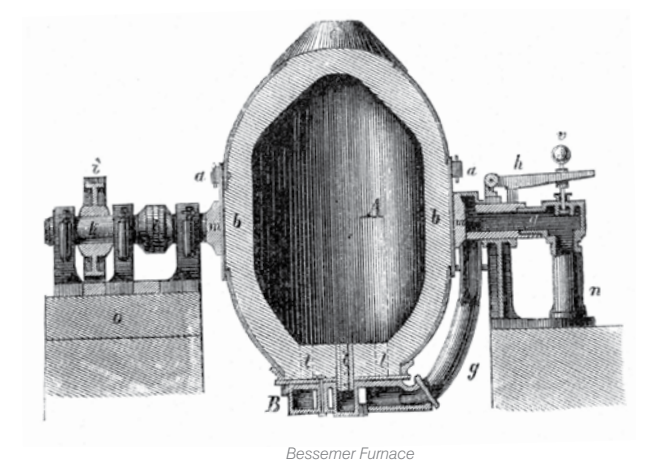
Throughout time, copper and steel has played a vital role in mankind's desire to innovate and improve his environment.

Copper, a noble metal, one that resists corrosion and oxidation can be traced back to the Bronze Age (4000 BC).

Today, because of its ability to enhance many building technologies and its great contribution to a buildings overall environmental performance, copper's role extends well beyond those historical uses and remains more important than ever.

Copper and its many alloys, such as the brasses and bronzes offer unique, physical and mechanical properties. This ensures that engineers, designers and building owners not only achieve their performance specification, but also can meet their environmental and cost goals.

Like copper, steel can also trace its history back 4000 years. Modern steel making as we know it started in Europe during the 17th century with the smelting of iron ore into pig iron using blast furnaces. The processing of steel making has gone through many innovations, however the vital importance of the material and it's contemporary steels such as carbon steel (iron and carbon) with its high strength and low alloy content allow this combination to fulfil many purposes we take for granted in today's technological advanced society.



Bessemer Furnace



# A History of Innovation



Whilst Conex Bänninger can trace its history back to 1909, in the UK, the SANBRA company was founded in 1919 based at SANBRA Works, Aston, Birmingham. It became a public company in 1935 attending regular trade fairs advertising its range of **brass and chromium plated water fittings, hot pressed cocks, valves, lavatory and sink mixers, etc.** By 1961 the business had moved into compression fittings and became the byword for high quality reliable products and service, very much the ethos for Conex Bänninger part of the IBP Group as we forge through the 21st Century.

**1909** – Foundation of Bänninger in Germany making iron fittings



**1919** – Foundation of SANBRA in Birmingham, England making brass plumbing fittings



**1932** – The sole producer of red brass in Europe



**1940** – SANBRA launches Conex Compression fittings



**1973** – ISR Triflow Solder Ring product range launched



**1999** – Copper and Red Brass >B< Press and Cuprofit ranges launched



**2002** – Launch of >B< Oyster fittings



**2007** – Pressing indicator introduced to >B< Press and >B< Flex range launched



**2009** – Launch of >B< Press Solar and Conex Push-Fit ranges



**2011** – K65® system developed



**2011** – >B< Press Carbon range Introduced



**2013** – Expansion of Valves range



## Benefits of metal

### Sustainability 🌱

From its extraction to recycling, copper has minimal impact on energy consumption and natural resources. It remains 100% recyclable without losing its strength or durability. Over 80% of copper ever mined remains in use today. This noble materials life can be measured in generations rather than years

### Temperature & pressure resistant ☀️❄️

Metallic pipe systems are tough, durable and have the ability to withstand accidental malfunction conditions that may render other pipe materials unusable. This ensures a long service life, without decreasing performance, making copper and steel the professional choice.

### Easy to install 👍

>B< Press copper and carbon systems are just part of our easy to fit range. >B< Oyster, Compression and Push-fit give the installer and client a secure, long life and leak proof network. They are ideal for fast track installation programmes.

### Standards and Approvals 🏆

Conex Bänninger products have approvals from numerous national and international recognised and certification bodies. The majority of Conex Bänninger fittings are also BSI Kite Marked.

The awarding and achievement of these standards follows extensive and rigorous testing, therefore ensuring you of the highest quality and peace of mind.

### Low expansion 📏

When pipework is heated or cooled, its length changes by an amount proportional to the original length and the change in temperature. Linear thermal expansion can be particularly problematic especially where space constraints exist i.e. ceiling voids or riser shafts. Conex Bänninger products manufactured from copper and steel benefit from low rates of expansion and contraction.

### Flame free 🔥

The challenge today is to reduce potential damage to life and the building fabric whilst under construction. Working practises and products must adapt to these conditions. One important factor is to try to avoid naked flame or heat on site. Another is to avoid products that may make off-gas or harm fire fighters. Conex Bänninger manufacture a range of pipe fittings utilising push-fit, crimping and compression technology from copper and steel overcoming these problems.

### Solvent free jointing 🛠️

Conex Bänninger products rely on tried and tested jointing methods. They can be installed in a wide variety of ambient conditions. Extreme cold or hot working temperatures present no delays often encountered whilst making solvent joints. No extended joint curing times are required, as this can be particularly troublesome for repair or maintenance.



# Sustainability

Conex Bänninger products are compatible with leading renewable and advanced HEVAC technologies such as solar, heat pumps, biomass and high pressure refrigeration systems. In fact, look closely and you will see many of our products can be found in leading modern building systems around the world.

All Conex Bänninger products are designed and manufactured for a life of long service and in most instances are fully and easily recycled. Many of our products are also made from recycled materials, such as copper, ensuring continued sustainability.

We offer bespoke packing minimising materials and utilising recyclable materials. In addition we are able to offer custom delivery and packaging options to assist our customers in minimising the impact on the environment associated with distribution.

We take a responsible and proactive approach to all our processes through sourcing, manufacture, distribution and management systems. This has resulted in ISO 9001 and ISO 14001 accreditation for sustainable management.



**ISO 9001 : 2008 | Certificate No. FM 578065**

And operates a quality management system which complies with the requirements of ISO 9001: 2008 for the following scope: Design and supply of compression, capillary, press and push fit fittings, valves, taps, wastes, copper traps and associated fittings



**ISO 14001 : 2004 | Certificate No. EM S578064**

And operates an environmental management system which complies with the requirements of ISO 14001: 2004 for the following scope: Design and supply of compression fittings, capillary, press and push fit fittings, valves, taps, wastes, copper traps and associated fittings

Recycled copper used as cladding showing the aged natural patina

## Recycling

### 1. THE IMPORTANCE OF RECYCLING.

During the past decade, strong growth in emerging economies, coupled with an increased use of copper for innovative technologies, has led to significantly higher demand. The recovery and recycling of copper is not only important in helping to satisfy this demand, it also conserves natural resources for a sustainable future, and improves the sustainability performance of end-use products.

### 2. COPPER IS 100% RECYCLABLE

Copper is one of the few materials that can be recycled and re-used, again and again, without any loss in performance. There is also no difference in the quality of recycled copper, often referred to as secondary, from that which is mined, referred to as primary production.

### 3. RECYCLING SAVES ENERGY AND CO<sub>2</sub>

Recycling copper is a highly eco-efficient way of reintroducing a valuable material back into the economy. The recycling of copper requires up to 85% less energy than primary production. Around the world, this saves 100 million MWh of electrical energy and 40 million tonnes of CO<sub>2</sub> annually.

### 4. COPPER IN USE

Based on the global copper stocks and flows model, recently developed by the Fraunhofer Institute, it is estimated that two-thirds of the 550 million tonnes of copper produced, since 1900, are still in productive use (Glöser, 2013). Of this amount:

- Approximately 70% is used for electrical applications and 30% for non-electrical applications.
- Around 55% is used in buildings, 15% in infrastructure, 10% in industry, 10% in transport and 10% in equipment manufacture. This enormous stock of copper, contained in its diverse range of end-uses, and equivalent to around 30 years of current refined demand, is often referred to as society's "urban mine".

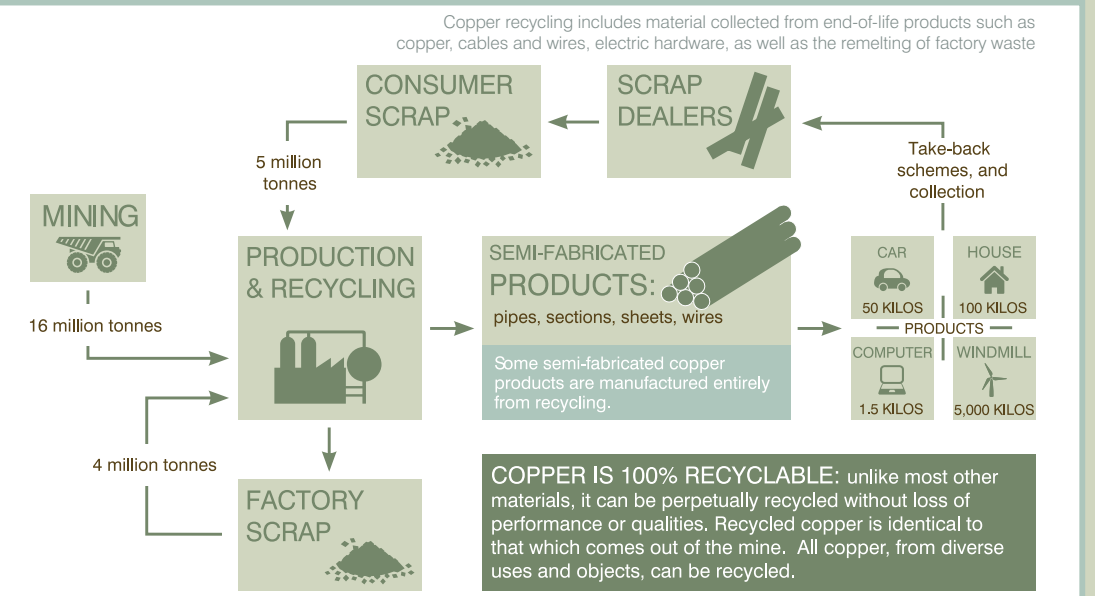
### 5. RECYCLING PROCESSES

Currently a total of around 9 million tonnes of copper per year come from the recycling of "old" scrap (copper contained in end-of-life products) and "new" scrap (generated during production and downstream manufacturing processes). The figure below shows how recycling is a core part of the overall copper value chain.

## COPPER, THE RECYCLING CHAMPION

Approx. 24 million tonnes of copper were used globally in 2010, 35% of which were sourced through recycling.

Source: Glöser, 2013





# Health Properties of Copper

Conex Bänninger copper traps, wastes and fittings are ideal for medical, pharmaceutical, food preparation and other sensitive environments thanks to their proven antimicrobial properties. Copper, as part of a network design, is capable of continuously killing pathogenic microbes reducing the risk of healthcare associated infections.

Although copper has been used for these properties for centuries, this has now been scientifically proven in rigorous clinical trials across the globe.

## Importance of selecting the right fitting material and the impact on water quality.

Proliferation of bacteria in water networks can be a major health risk, particularly for people in poor health. Therefore recognising this the EU since 2000 has given clear regulations to member states on their responsibilities to provide a consistent water quality policy by 2015.

### Legionella

Water bacteria, Legionella and Pseudomonas can cause extremely serious infections with outbreaks very often occurring in healthcare, retirement, convalescence and several other types of occupied buildings.

Legionella is caught by inhalation rather than by ingestion and exists particularly in water circuits in which the temperature ranges between **25-45 C°** (i.e. dhcws & air conditioning networks)

### Pseudomonas

These bacteria tend to live in freshwater, moist soils and vegetation where the temperature fluctuates between **4-43 C°** easily colonising any stagnant dhcws networks.

Both these types of bacteria depend on certain elements such as –  
Nature of water • Absence of circulation • Ambient temperature  
• Lack of ongoing treatment • Choice of network materials.

It is therefore vital that 3 main criteria are used when trying to avoid contamination of the water network –

- **Good design & construction of the network**
- **Correct procedure of operation & maintenance**
- **Ongoing surveillance & monitoring of the system**

### Legislation

The UK is less affected by legionellosis than many EU countries. however, there are still between 200-250 reportable cases per year. The HSE (Health & Safety Executive) have published ACOP L8 (2013). This approved code of practice has special legal status and is also supported with the Health & Safety at work act 1974: COSHH (Code of substances Hazardous to Health regulations (2002): RIDDOR regulations (2013) the legal reporting mechanism by which outbreaks of legionnaires' disease is notified to the HSE. The DWI (Drinking Water Inspectorate) also monitors and checks the safety of drinking water and provides regulations for the water companies.

*"Numerous antimicrobial efficiency studies have been conducted in the past ten years regarding coppers ability to destroy a wide range of bacteria, as well as influenza A virus"*



Delcop End Feed  
 Delbraz  
 Triflow Solder Ring  
 Conex Compression  
 >B< Press Water  
 >B< Push  
 Push-Fit  
 Cuprofit  
 Series 3000  
 Series 8000  
 >B< Oyster

#### Hot & Cold Water Services

Conex Bänninger can provide a complete range of fittings and valves for the domestic hot and cold water services. The products provide reliable, quicker and economical installation.

#### Key Product Features

- Quick installation with press and push technology
- Reduced mechanical expansion devices
- Standard bracket centres
- Continuous installation during cold spells
- Non flammable, non combustible

#### Typical Applications

- Hospitals and other healthcare facilities
- Education
- Hotels and multi residential buildings
- Commercial buildings
- Sports stadia

## Hot & Cold Water Services



Delcop End Feed  
 Delbraz  
 Triflow Solder Ring  
 Conex Compression  
 >B< Press Water  
 >B< Press Solar  
 >B< Push  
 Push-Fit  
 Cuprofit  
 Series 3000  
 Series 8000  
 >B< Oyster

#### Heating Systems

Heating systems provide one of the key elements that enable us to live a comfortable existence. Be it a traditional fossil system or the emerging heat generation methods Conex Bänninger has a range of fittings and valves to suit

#### Key Product Features

- User friendly
- Quick installation
- Flame free or push systems available
- Press range with pre press leak indicator system

#### Typical Applications

- Sealed water circulating systems
- Ground and air heat pump
- Solar
- Seasonal thermal energy storage





# Cooling Systems



Delcop End Feed  
Delbraz  
Triflow Solder Ring  
>B< Press Water  
>B< Push  
Pushfit  
Cuprofit  
Series 3000  
>B< Oyster

## Chilled Water Services

When considering environmental control systems or more specifically the pipe work requirement for air conditioning, Conex Bänninger provides the perfect solution.

### Key product features

- Excellent ductility at low temperatures
- High thermal conductivity
- Long lasting and maintenance free
- Suitable for a variety of chilled applications

### Typical Applications

- All building types for:
  - chilled water
  - air-conditioning

# Solar & Renewables

## Solar & Renewable Services

Whether they are powered by sun, wind or water, efficient and renewable energy systems rely on copper and steel for maximum performance.

### Key Features

- >B< Profile 3 point press ensures a leak free, secure and permanent joint
- O-ring indicates leaks at low pressure when not pressed or not pressed correctly (from 0.1 bar to 74.0 bar)
- Flame free for ensuring no hot works and on site safety
- Hexagonal press form gives a clear visual indication that it has been successfully secured
- Application identified by different coloured o-ring



### Typical Applications

- Solar hot water
- Biomass
- Geothermal



Delcop End Feed  
Delbraz  
Conex Compression  
>B< Press Solar  
>B< Press Carbon  
Series 3000





## Gas & Medical Services

A Range of Conex Bänninger Medical Gas Copper fittings scientifically proven to assist in killing pathogenic microbes in the medical, pharmaceutical, food preparation and other health sensitive areas.



Delcop End Feed  
Delbraz

Gas & Medical

### Key Benefits

- Conex Bänninger Medical Gas Capillary fittings have been manufactured to EN1254-1
- Quality Assured in accordance with ISO 9001:2008
- Degreased and individually bagged to BOC/Medaes Standard 3000000
- Degreased to less than 100mg/m<sup>2</sup> (0.01 milligram/cm<sup>2</sup>) of hydrocarbons
- Independently tested and certified for cleanliness
- Bespoke and fabrications can be cleaned to same specification available
- Suitable for use with Medical Gases and Oxygen applications

### Typical Applications

- Hospitals and medical facilities
- Industry
- Data centres
- Military



# Air Conditioning & Refrigeration

## Air conditioning Services

Conex Bänninger offer both standard ACR fittings and a K65<sup>®</sup> system for high-pressure applications. K65<sup>®</sup> range is suitable for CO<sub>2</sub> systems working at high operating pressures up to 120 bar.

### Key Benefits

- A full range of copper and copper alloy end feed fittings manufactured to ANSI B16.22 for imperial air conditioning and refrigeration applications
- Fittings formed from thick wall copper tubes to ensure constant thickness to guarantee impermeability and durability
- Fittings have been tested to conform with the Pressure Equipment Directive 97/23/EC to ensure the products suitability when used with high and low pressure
- Fittings are specially boxed and marked for the ACR market

### Typical Applications

- High-pressure pipeline systems, particularly for CO<sub>2</sub> as a refrigerant. Further media can be used in consultation with the manufacturer

Delcop End Feed  
ACR  
K65<sup>®</sup>





Research & Development

Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000



Leisure

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000



Catering

Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

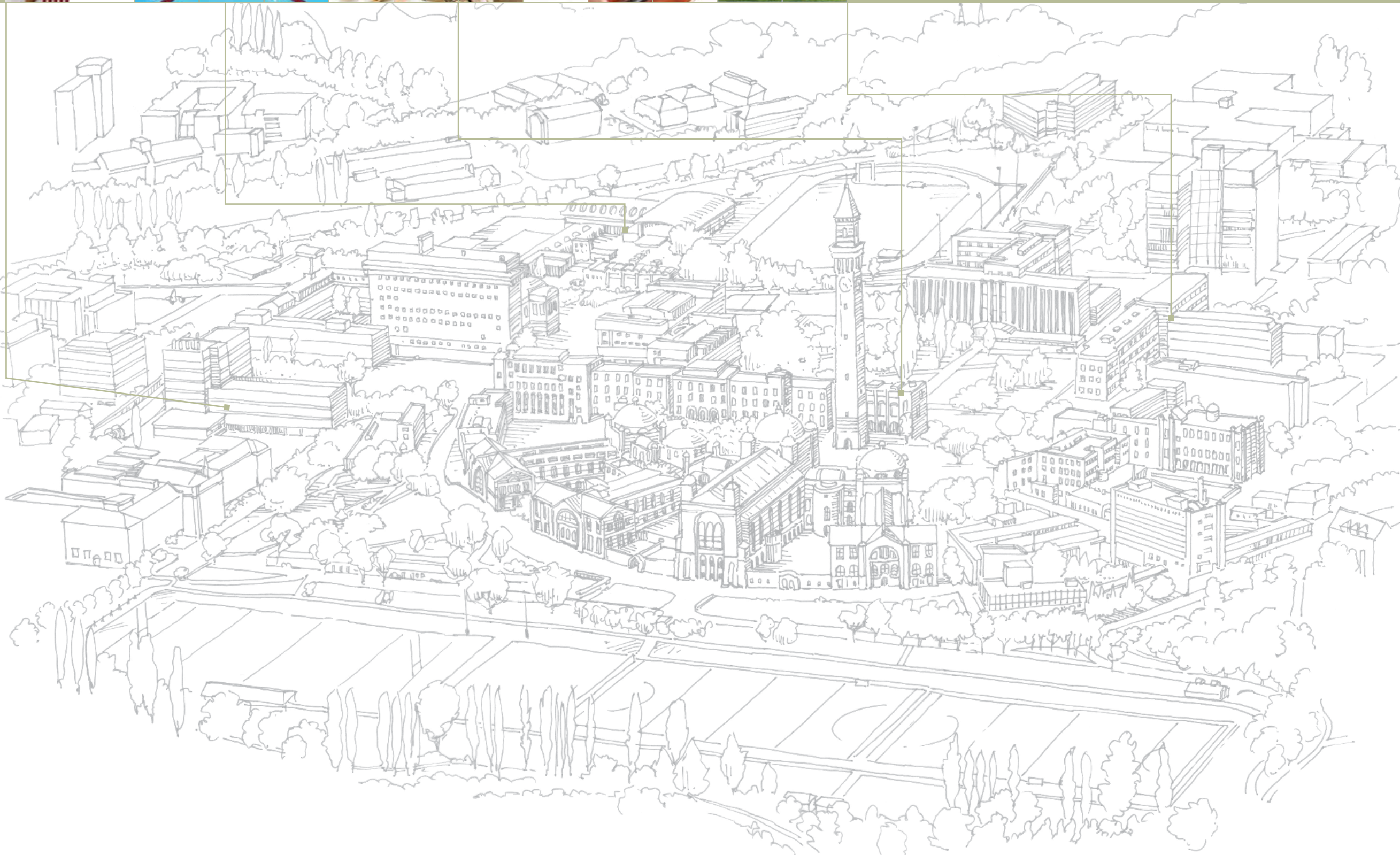


Student Accommodation

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
>B< Oyster  
Series 3000 | 8000



Educational





# Hospitals & Healthcare

## Laboratory & Research

Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Specialist Healthcare

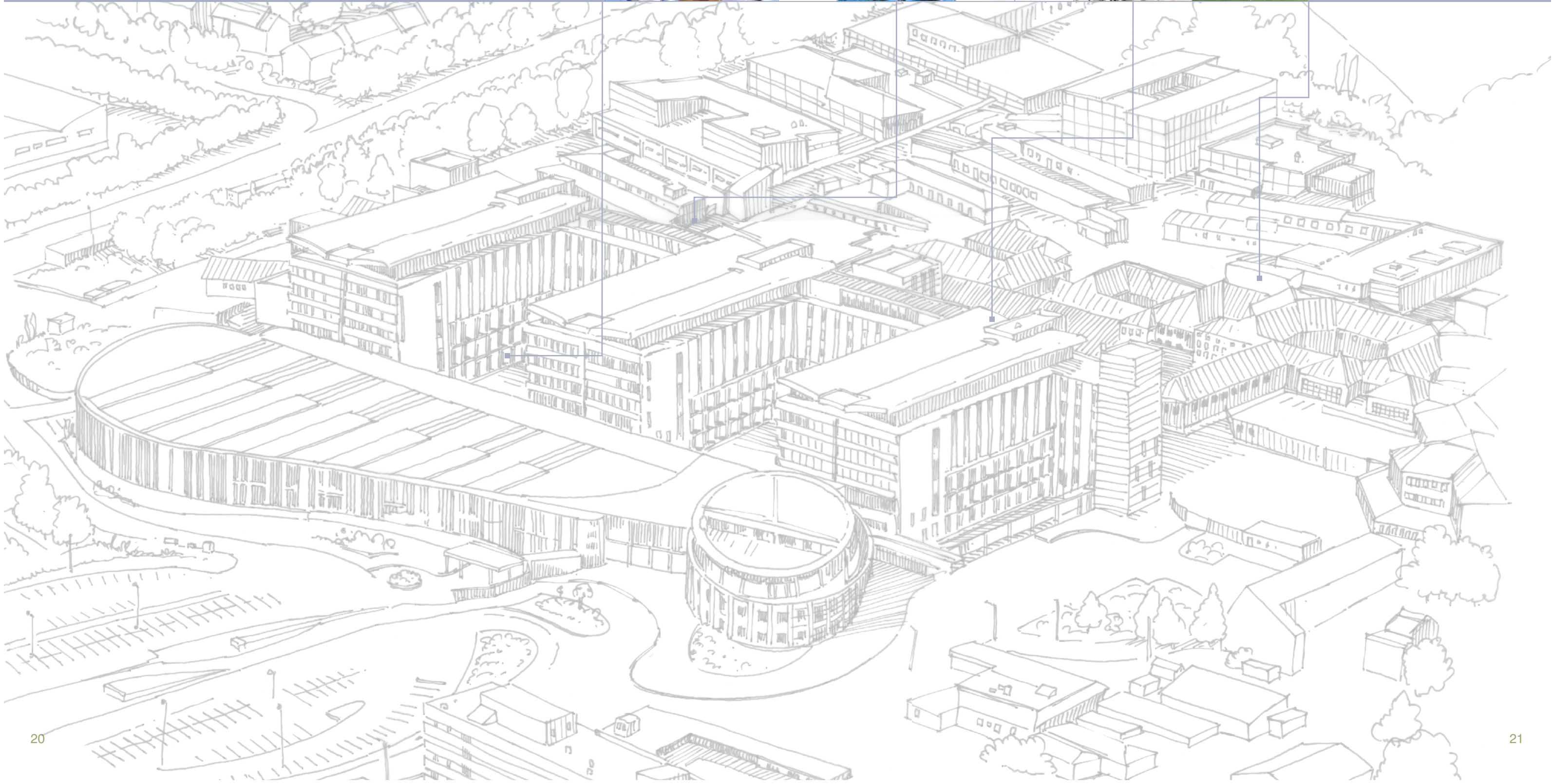
Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Aged Care

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
>B< Oyster  
Series 3000 | 8000

## Accommodation Block

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
>B< Oyster  
Series 3000 | 8000





# Military & Secure Facilities

## Industrial Kitchen & Laundry

Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
>B< Oyster  
Series 3000 | 8000

## Visitor Centre

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Toilet Block

Conex Compression  
Copper Traps & Wastes  
>B< Press Gas  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
>B< Oyster  
Series 3000 | 8000

## Gymnasium

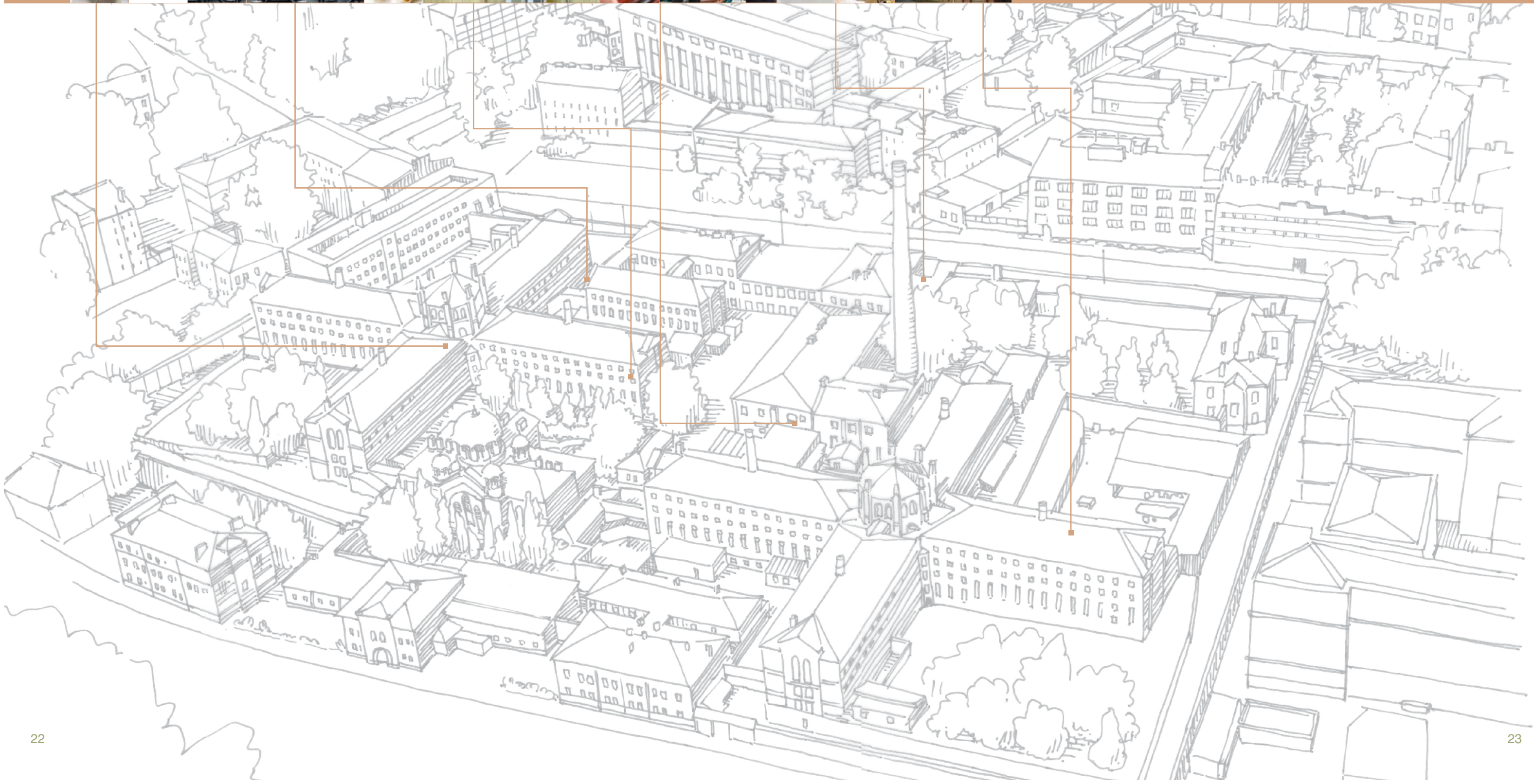
Conex Compression  
>B< Press Copper  
>B< Press Carbon  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Canteen

Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Accommodation

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000





# Hotels & Apartments

## Multi residential

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Retail

Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Hotels

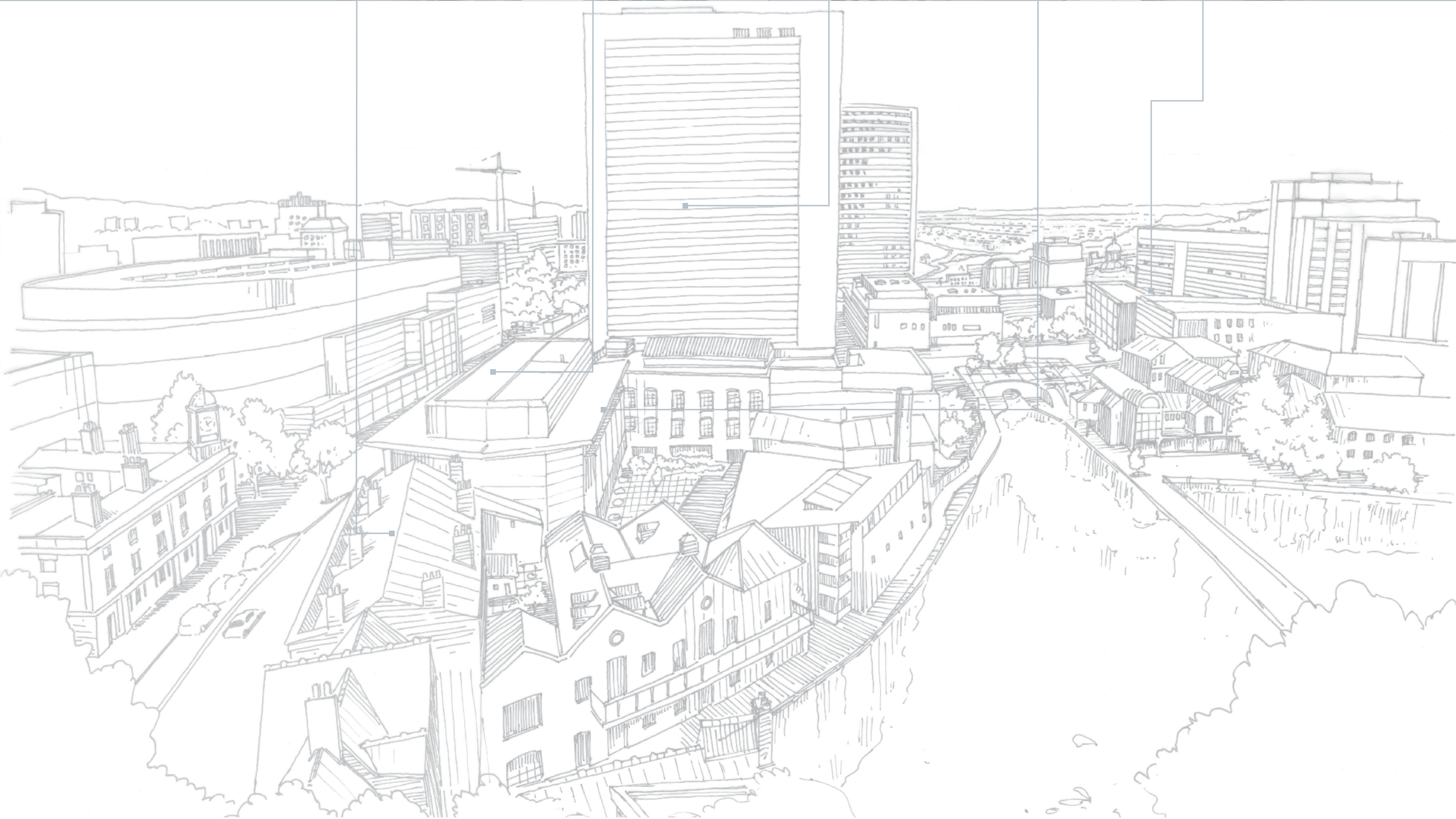
Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Kitchen & Laundry

Conex Compression  
Copper Traps & Wastes  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

## Leisure

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000





**Libraries**

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

**Museum**

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

**Offices**

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

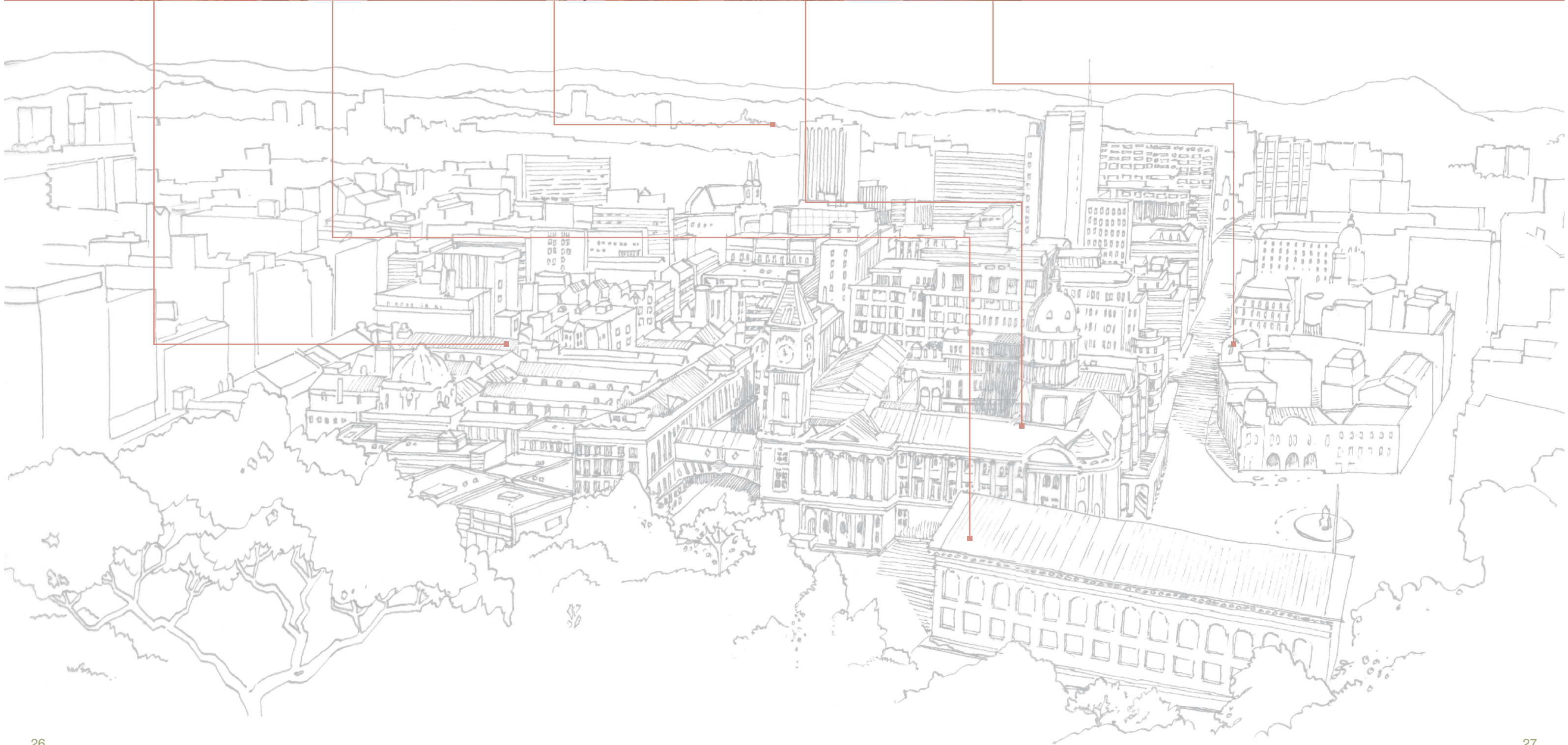
**Municipal Buildings**

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

**Sporting Facilities**

Conex Compression  
>B< Press Copper  
>B< Press Gas  
>B< Press Carbon  
>B< Press Inox  
Triflow Solder Ring  
Delcop End Feed  
Delbraze  
ACR  
K65®  
>B< Oyster  
Series 3000 | 8000

# Public Buildings & Offices





# Stadia, Leisure & Retail

## Retail Units

Conex Compression  
 >B< Press Copper  
 >B< Press Gas  
 >B< Press Carbon  
 >B< Press Inox  
 Triflow Solder Ring  
 Delcop End Feed  
 Delbraze  
 ACR  
 K65®  
 >B< Oyster  
 Series 3000 | 8000

## Super Store

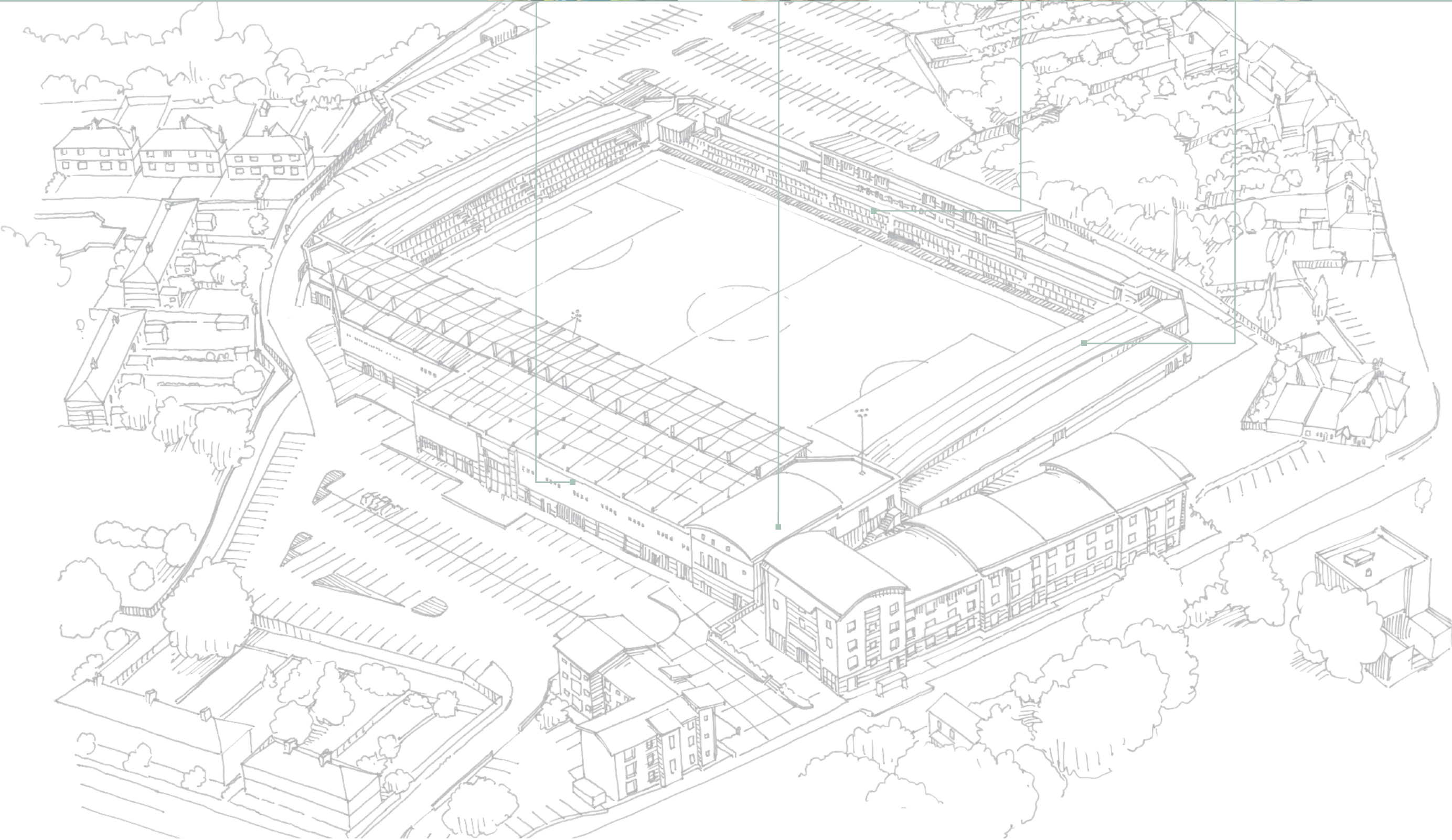
Conex Compression  
 >B< Press Copper  
 >B< Press Gas  
 >B< Press Carbon  
 >B< Press Inox  
 Triflow Solder Ring  
 Delcop End Feed  
 Delbraze  
 ACR  
 K65®  
 >B< Oyster  
 Series 3000 | 8000

## Stadium

Conex Compression  
 >B< Press Copper  
 >B< Press Gas  
 >B< Press Carbon  
 >B< Press Inox  
 Triflow Solder Ring  
 Delcop End Feed  
 Delbraze  
 ACR  
 K65®  
 >B< Oyster  
 Series 3000 | 8000

## Conference Centre

Conex Compression  
 >B< Press Copper  
 >B< Press Gas  
 >B< Press Carbon  
 >B< Press Inox  
 Triflow Solder Ring  
 Delcop End Feed  
 Delbraze  
 ACR  
 K65®  
 >B< Oyster  
 Series 3000 | 8000





PRODUCT SUITABILITY

PRODUCT	Delcop End Feed	Medical Gas Brazing	Delbraze	>B< ACR	K65®	Triflow Solder Ring	Conex Compression	>B< Press Copper	>B< Press Carbon	>B< Press Inox	>B< Press Gas	>B< Press Solar	>B< Push	Conex Push-Fit	Cuprofit	Series 3000	Series 8000	>B< Oyster
DESCRIPTION	Solder/ Brazing fittings	Brazing fittings	Brazing fittings	Imperial brazing fittings	High Pressure brazing fittings	Solder fittings	Type A Compression fittings	Press fittings for water	Press fittings Carbon	Press fittings Stainless steel	Press fittings for Gas applications	Press fittings for Solar applications	Push fittings	Push fittings	Push fittings	Red Brass Threaded fittings	Yellow Brass Threaded fittings	Special O-ring seal connector
APPLICATION																		
Hot & Cold drinking water	✓		✓			✓	✓	✓		✓			✓	✓	✓	✓	✓	✓
Heating	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Cooling	✓		✓			✓		✓	✓	✓			✓	✓	✓	✓	✓	✓
Solar	✓		✓				✓					✓				✓		
Gas (Natural/LPG)	✓		✓			✓	✓				✓					✓	✓	
Waste			✓			✓	✓	✓	✓	✓						✓	✓	
Refrigeration/Air Con	✓		✓	✓												✓	✓	
ACR High Pressure CO <sub>2</sub>					✓													
Compressed Air with Oil Content	✓		✓			✓	✓				✓					✓	✓	
Compressed Air (Oil Free)	✓					✓	✓	✓	✓		✓					✓	✓	
Ship Building							✓	✓										
Vacuum	✓		✓				✓	✓	✓	✓						✓	✓	
Fuel/ Oil	✓					✓					✓					✓	✓	
Rain water			✓			✓	✓	✓	✓	✓						✓	✓	
Medical Gas Appliances		✓																

Please contact our technical services 0121 557 2831 or visit [www.conexbanninger.com](http://www.conexbanninger.com) for specific application details if in doubt.

SPECIFICATION CLAUSES

<b>Conex Bänninger &gt;B&lt; Press Inox</b> Type: Press Application Food/Industrial Manufacturer and Reference >B<Press Inox Fluid Conveyed Various Working Pressure 16bar Working Temperature -20-110 °C (see manufactures literature for details) Material Stainless Steel Standard EN 10312 Size Range 15 - 108 -15 - 54 Ends Press 3 Point >54 Ends Press 2 Point Dimensions – to suit stainless steel tube to EN 10212 Ends Press (3 Point) Finish Natural Method Cold Worked Joints	<b>Conex Bänninger &gt;B&lt; Press - 15-54mm</b> Type: Press Application Water/HVAC Manufacturer and Reference >B<Press Fluid Conveyed H2O/H2O Glycol Mix Working Pressure 16 Bar max (see manufactures literature for details) Working Temperature -20 to 110 °C (see manufacturers literature for details) Material Copper and Red Brass Standard pr EN 1254-7 / BS8537 Size Range (mm) 15-54 Dimensions – to suit copper tube to BS EN 1057 Ends Press (3 point) Finish Natural Method Cold Worked Joint	<b>Conex Bänninger &gt;B&lt; Press - 67-108mm</b> Type: Press Application Water/HVAC Manufacturer and Reference >B<Press Fluid Conveyed H2O/H2O Glycol Mix Working Pressure 16 Bar max (see manufacturers literature for details) Working Temperature -20 to 110 °C (see literature for details) Material Brass (Red/Bronze/DZR) Standard pr EN 1254-7 / BS8537 Size Range (mm) 67-108 Dimensions - to suit copper tube to BS EN 1057 Ends Press (3 Point) Finish Natural Method Cold Worked Joints	<b>Conex Bänninger Conex Compression</b> Type: Compression Application HVAC/Water/Gas Manufacturer and Reference Conex Compression Fluid Conveyed H2O/Gas Working Pressure: > 15 = 25bar, 16.28 = 16bar, 35 - 54 = 13bar and <54 = 10bar Working Temperature 0 – 95 ° C (see manufactures literature for details) Material Brass / DZR Brass Standard EN 1254-2 & 4 Size Range (mm) 6 - 108 Dimensions – to suit copper tube to BS EN 1057 Ends Compression Finish Natural Method Cold Worked Joints	<b>Conex Bänninger Conex Compression Chrome Plated</b> Type: Chrome Compression Application HVAC/Water/Gas Manufacturer and Reference Conex Compression Chrome Fluid Conveyed H2O/Gas* Working Pressure: > 28 – 16bar, 35 – 13bar Working Temperature 0 – 95 °C* (see literature for details) Material Chrome Brass Standard EN 1254-2 Size Range (mm) 15 - 35 Dimensions – to suit copper tube to BS EN 1057 Ends Compression Finish Chrome Method Cold Worked Joints	<b>Conex Bänninger Delcop End Feed</b> Type: Capillary Application Water/Gas/HVAC Manufacturer and Reference Conex Delcop Fluid Conveyed H2O/Gas* Working Pressure 79.1 bar* Working Temperature -20 – 200 °C* (see manufacturers literature for details) Material Copper Standard EN 1254-1 & 4 Size Range (mm) 6 - 54 Dimensions – to suit copper tube to BS EN 1057 Ends Capillary Finish Natural Method Hot Works
<b>Conex Bänninger &gt;B&lt;Press Solar</b> Type: Press Application Solar/MTHW Manufacturer and Reference >B<Press Solar Fluid Conveyed H2O/Glycol Mix Working Pressure 10 bar Working Temperature -20 – 140 (with excursions to 230) °C Material Copper Standard EN 1057 Size Range (mm) 15 – 54 Dimensions – to suit copper tube to BS EN 1057 Ends Press 3 point Finish Natural Method Cold Worked Joints	<b>Conex Bänninger &gt;B&lt; Press Gas</b> Type: Press Application Gas/LPG/Fuel Oils Manufacturer and Reference >B<Press Gas Fluid Conveyed Gas/LPG/Fuel Oils Working Pressure 1 to 7 Bar Working Temperature -20 to 70 °C Material Copper and Red Brass Standard EN 1254-7 / BS8537 Size Range (mm) 15-54 Dimensions – to suit copper tube to BS EN 1057 Ends Press (3 Point) Finish Natural Method Cold Worked Joints	<b>Conex Bänninger Pushfit</b> Type: Pushfit Application Water/HVAC Manufacturer and Reference Conex Pushfit Fluid Conveyed H2O / Glycol Working Pressure 16 bar Working Temperature 0 - 95 Material Brass and DZR Standards EN1254-6 Size Range (mm) 10 - 28 Dimensions – to suit copper tube to BS EN 1057, carbon tube to EN 10305, stanless steel to EN 10312, PEX to EN 15875 & PB to 15876 Ends Pushfit Finish Natural Method Cold Worked Joints	<b>Conex Bänninger Conex Compression DZR</b> Type: Compression (DZR) Application HVAC/Water/Gas Manufacturer and Reference Conex Compression Fluid Conveyed H2O/Gas Working Pressure 25 bar Working Temperature 0 – 95 °C (see manufactures literature for details) Material DZR Brass Standard EN 1254-2 Size Range (mm) 6 - 108 Dimensions – to suit copper tube to BS EN 1057 Ends Compression Finish Natural (DZR Treated) Method Cold Worked Joints	<b>Conex Bänninger Delbraze</b> Type: Capillary Application Water/Gas/HVAC Manufacturer and Reference Conex Delbraze Fluid Conveyed H2O/Gas Working Pressure 15.4 bar Working Temperature -20 – 200 °C (see manufacturers literature for details) Material Copper Standard EN 1254- Parts 1 & 4 Size Range (mm) 67 - 159 Dimensions – to suit copper tube to BS EN 1057 Ends Capillary Finish Natural Method Hot Works	<b>Conex Bänninger Triflow Solder Ring</b> Type: Capillary Application Water/Gas/HVAC Manufacturer and Reference Conex Triflow Fluid Conveyed H2O/Gas Working Pressure 16 bar Working Temperature 0 – 110 °C (see manufacturers literature for details) Material Copper (lead-free solder) Standard EN 1254-1 & 4 Size Range (mm) 6 - 67 Dimensions – to suit copper tube to BS EN 1057 Ends Capillary (pre soldered) Finish Natural (pre soldered) Method Hot Works



# Conex | Bänninger

Conex | Bänninger  
**Conex Compression**

Conex | Bänninger  
**Triflow Solder Ring**

Conex | Bänninger  
**Delcop End Feed**

Conex | Bänninger  
**Delbraz**

Conex | Bänninger  
**>B< Press**

Conex | Bänninger  
**>B< Press Gas**

Conex | Bänninger  
**>B< Press Solar**

Conex | Bänninger  
**>B< Press XL**

Conex | Bänninger  
**>B< Press Carbon**

Conex | Bänninger  
**>B< Press Inox**

Conex | Bänninger  
**>B< Flex**

Conex | Bänninger  
**>B< Push**

Conex | Bänninger  
**Push-Fit**

Conex | Bänninger  
**Cuprofit**

**K65®**

Conex | Bänninger  
**Valves**

Conex | Bänninger  
**>B< Oyster**

Conex | Bänninger  
**Medical Gas**

Conex | Bänninger  
**OEM**

Conex | Bänninger  
**>B< ACR**

Conex | Bänninger  
**Series 3000**

Conex | Bänninger  
**Series 8000**

Conex | Bänninger  
**Series 8000 M**



This brochure is printed on recycled stock.

The printer responsible for this brochure is fully carbon neutral and is accredited with the ISO 14001 environmental accreditation

United Kingdom  
Conex Universal Limited

Germany  
IBP GmbH

web: [www.conexbanninger.com](http://www.conexbanninger.com)

Spain/France  
IBP Atcosa SL

Italy  
IBP Banninger Italia srl

Poland Sales, Marketing and logistics  
IBP Instalittings Sp z o.o.

China  
IBP China

The information on this brochure is provided for general information only and Conex Bänninger reserves the right to change the information on this brochure(guide) at any time without notice.

The content of this publication is for general information only. It is the user's responsibility to determine suitability of any product for the purpose intended and reference should be made to our Technical Department if clarification is required. In the interests of technical development we reserve the right to change specification, design and materials without notice.

\*Conex|Bänninger products are approved by numerous Standards Authorities and Certification Bodies. For more details on this product range, please email our technical team at: [technical@ibpgroup.com](mailto:technical@ibpgroup.com).

This is a representation of the full range from Conex Universal. IBP trade marks are registered in numerous countries.