Your Pipeline to Greater
Add Versatility and Reliability to All Your Systems

Benefits

• Leak-free service with air-tight O-ring fitting design.

• Rugged, industrial strength protection against the elements and corrosion with powder coated extruded aluminum pipe and engineered polymer fittings.

• Save energy, reduce pressure drops and maximize efficiency with the Ingersoll Rand SimpleAir® EPL Piping System’s smooth internal bore.

• Quick and easy configuration and assembly with over 100 types of fittings, pipe diameters and valves to fit any application.

• Easily update or scale your installation to match demand with SimplAir EPL’s quick-fit flexibility. Adapters are also available to expand existing SL and EL SimplAir systems.

Quick Specifications

• Available sizes: 20 mm, 25 mm, 32 mm, 40 mm and 63 mm

• Flow range: up to 23.3 m³/min (824 scfm)

• Maximum operating pressure: 13 bar g (190 psig)

• Standard operating temperature range: -10°C (+14°F) to +60°C (+140°F)
The Easy, Fast Way to Better Connections

The new Ingersoll Rand SimplAir Easy Pipe Line (EPL) quick-fit piping system is designed for efficient distribution of compressed air and other inert gases and vacuum systems. It provides fast and easy installation, improved performance and effortless maintenance.

Minimize Your Downtime

SimplAir EPL features light aluminum pipe coupled with a large range of available fittings and accessories for fast and easy connections to any type of pneumatic equipment. It does so with minimal pressure drop, without the risk of contaminating the compressed air with rust particles and without the need for any maintenance.

SimplAir EPL Versus Traditional Pipe

- The unique shape of the HPR polymer fittings, combined with the smooth surface of the pipe, provides full air flow capacity without restrictions or turbulence.

- Pressure drop through the system is dramatically reduced compared to traditional piping materials, such as galvanized or carbon steel.

- System life is designed to be longer than with traditional materials.

- Air leakage is completely eliminated, resulting in significant energy savings.

- A simple, patented locking and tightening system allows easy, on-site installation in a safe and fully-intuitive manner.
Connections You Can Count On

SimplAir EPL features a patented locking and tightening system with a tactile stop-point that ensures correct installation of the fitting. This unique system eliminates over-tightening, for a perfect coupling between components, and ensures that the joint is simple, safe and highly reliable.

Under the mechanical force exerted by the locking screw of the fitting on the stainless steel ring, the O-ring seal creates a radial force against the outside wall of the fully-supported pipe. This produces a very strong mechanical seal between the external diameter of the pipe and the fitting body, creating an airtight connection without any damage to the piping.

This unique system effectively prevents the leaks commonly caused by misalignment during installation of conventional systems.
Reliability for Any Configuration

The SimplAir EPL aluminum pipe is resistant to corrosion and vibration and features unique interlocking components to easily configure your compressed air system.

Aluminum Pipe Makes the Difference
A high-quality finish ensures maximum resistance to corrosion, aggressive agents and UV rays.

Maximum Performance Under All Conditions
The SimplAir EPL system is not affected by normal vibration and maintains its optimal characteristics in terms of safety and performance, even at the maximum rated value.

Simple, Speedy Connections
The special design of the locking components allows easy dismantling of the system without any damage to the external surface of the pipe, which can be easily removed from the fitting and may be modified or reused again.

No Tools Required
The fittings can be tightened by hand without a special wrench.
Wide Range of Sizes to Meet Your Needs

The seamless extruded aluminum pipe, which is supplied with dimensional specifications according to global standards, is available in 20 mm, 25 mm, 32 mm, 40 mm and 63 mm diameters.

Choosing The Right Diameter Pipe

As illustrated in the sizing chart above, with multiple pipe diameters, SimplAir EPL can accommodate a broad range of system flows while maintaining a pressure drop of less than 5%.

For reference only. Assumes 6.9 bar g/100 psig closed loop system.
Ingersoll Rand is committed to serving you 24 hours a day, seven days a week with innovative and cost-effective installation services as well as with a broad line of accessories that will keep your system running at peak performance.

**Complete Solutions for Your Air System**

**Installation Solutions**
Count on Ingersoll Rand for all your air system installation requirements.
- Air system audits
- System design and installation services
- Receiver tanks

**Material Handling**
By using Ingersoll Rand solutions, you can expect superior ergonomics that increase productivity, improve operator performance and avoid labor downtime due to health or safety issues.
- Balancers
- Workstation cranes
- Hoists
- Handling devices
- Winches
- Jibs

**Air Treatment and Condensate Management**
Ingersoll Rand air treatment solutions improve system reliability and reduce maintenance costs by preventing oil, water and other contaminants from passing downstream.
- Filters
- Desiccant dryers
- Refrigerated dryers
- Drains
- PolySep Oil Water Separators
- Air line filters, regulators and lubricators

**Manufacturing and Maintenance**
Trust Ingersoll Rand to help you improve your productivity and quality with a broad spectrum of tools for your maintenance and assembly requirements.
- Air motors
- Impactools™
- Grinders and sanders
- Screwdrivers and nutrunners
- Drills

**Flow and Pressure Control**
Advanced, flexible Ingersoll Rand controls increase system productivity, efficiency and reliability.
- System controllers
- Flow controllers
# SimplAir EPL Fittings

<table>
<thead>
<tr>
<th>Description</th>
<th>20 mm</th>
<th>25 mm</th>
<th>32 mm</th>
<th>40 mm</th>
<th>63 mm</th>
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<tbody>
<tr>
<td>Aluminum Pipe</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Socket</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Union Socket</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Male Socket</td>
<td>½”</td>
<td>¼”</td>
<td>¼”</td>
<td>1”</td>
<td>1¼”</td>
</tr>
<tr>
<td>Male Socket-Aluminum</td>
<td>½”</td>
<td>¼”</td>
<td>1”</td>
<td>1¼”</td>
<td>2”</td>
</tr>
<tr>
<td>Female Socket-Aluminum</td>
<td>¼”</td>
<td>⅜”</td>
<td>1”</td>
<td>1¼”</td>
<td>2”</td>
</tr>
<tr>
<td>90° Elbow</td>
<td>•</td>
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<tr>
<td>45° Elbow</td>
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</tr>
<tr>
<td>Male Wall Elbow-Brass</td>
<td>½”</td>
<td>½”</td>
<td>⅜”</td>
<td>⅜”</td>
<td></td>
</tr>
<tr>
<td>Female Wall Elbow-Brass</td>
<td>⅜”</td>
<td>⅜”</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

## Specifications
- Max operating pressure: 13 bar g (190 psig)
- Standard operating temperature range: -10°C (+14°F) to +60°C (+140°F)

## Applications
- Fluid transportation for industrial plants, compressed air pipelines, food service, vacuum, and other gases such as nitrogen and argon

## Pipe Material
- Aluminum alloy according to EN AW-6060 extruded and calibrated

## Thermal Treatment
- Drained “T6”

## Finishing
- QUALICOAT RAL 5015 powder painting (flame-retardant)
### Fittings Features

- Quick and easy connection
- Safe and reliable to use
- Adapters available to expand existing SimplAir SL and EL systems
- Full size air flow
- Interchangeability and reuse
- NPT and BSP connections available
- NBR O-ring seals (VITON on request)

These products are classified as auto-extinguished and completely recyclable, flame-proof and in accordance to all safety and health CE standards.

<table>
<thead>
<tr>
<th>Description</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20 mm</td>
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<tr>
<td>Cap</td>
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<tr>
<td>Reducer</td>
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<tr>
<td>Tee</td>
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<tr>
<td>Reducing Tee</td>
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<tr>
<td>Drop</td>
<td>20</td>
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<tr>
<td>Male Drop</td>
<td>½&quot;</td>
</tr>
<tr>
<td>Female Drop</td>
<td>½&quot;</td>
</tr>
<tr>
<td>Valve-Brass</td>
<td>•</td>
</tr>
<tr>
<td>3 Port Point of Use Manifold Male and Female</td>
<td>½&quot;</td>
</tr>
<tr>
<td>2 Port Point of Use Manifold Male and Female</td>
<td>½&quot;</td>
</tr>
</tbody>
</table>
Ingersoll Rand Industrial Technologies provides products, services and solutions that enhance our customers’ energy efficiency, productivity and operations. Our diverse and innovative products range from complete compressed air systems, tools and pumps to material and fluid handling systems. We also enhance productivity through solutions created by Club Car®, the global leader in golf and utility vehicles for businesses and individuals.

www.ingersollrandproducts.com

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