



# *SimplAir Easy Pipe Line (EPL)*

*20-63 mm Quick-Fit Piping System*



# 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.

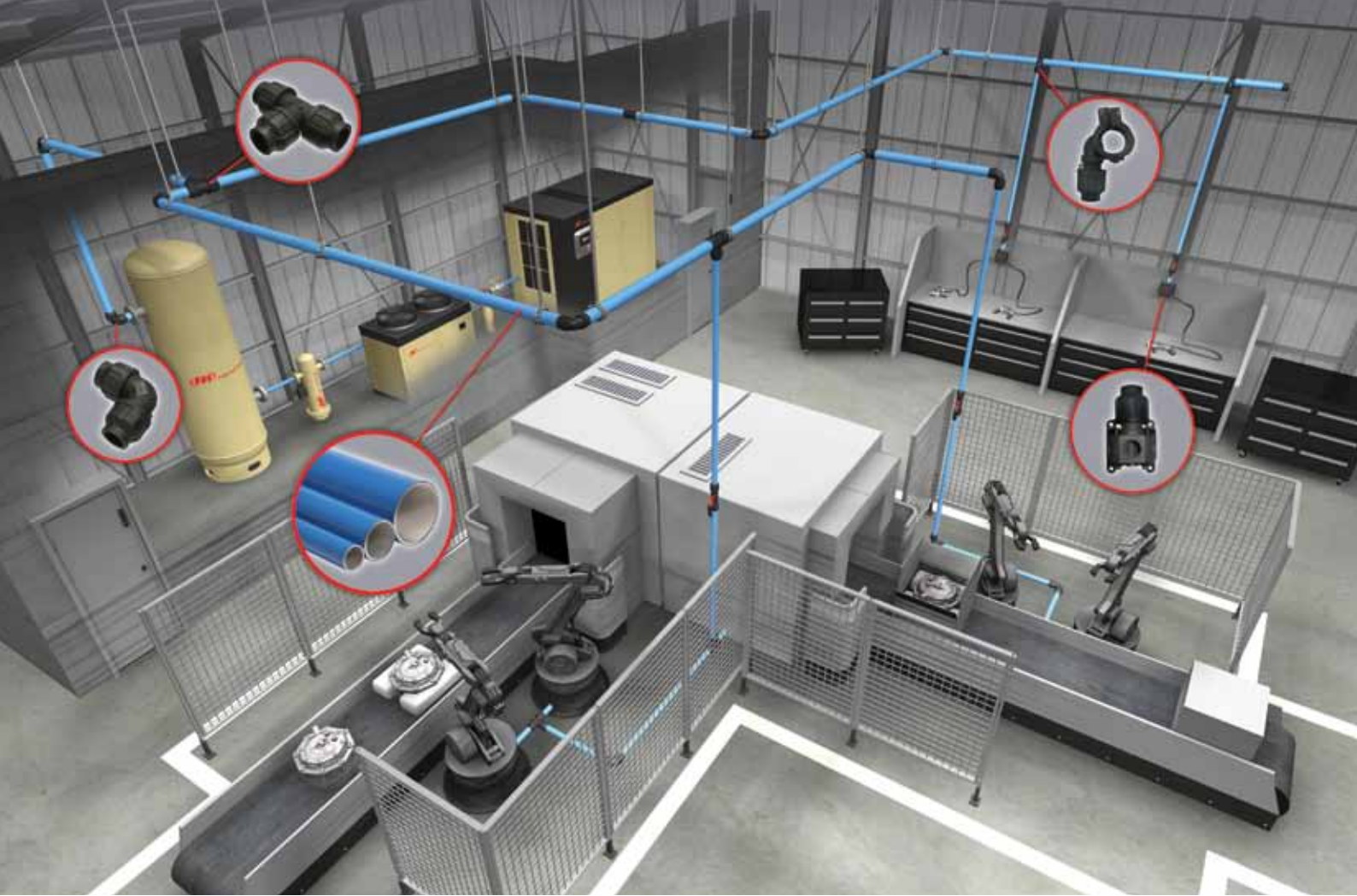
## Minimise Your Downtime

SimplAir EPL features light aluminium 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.



The unique tactile stop-point system helps to prevent over-tightening and makes installation simple and reliable.



O-rings in each fitting form a tight radial seal against the pipe wall preventing air loss.

# Reliability for Any Configuration

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



## Aluminium 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.



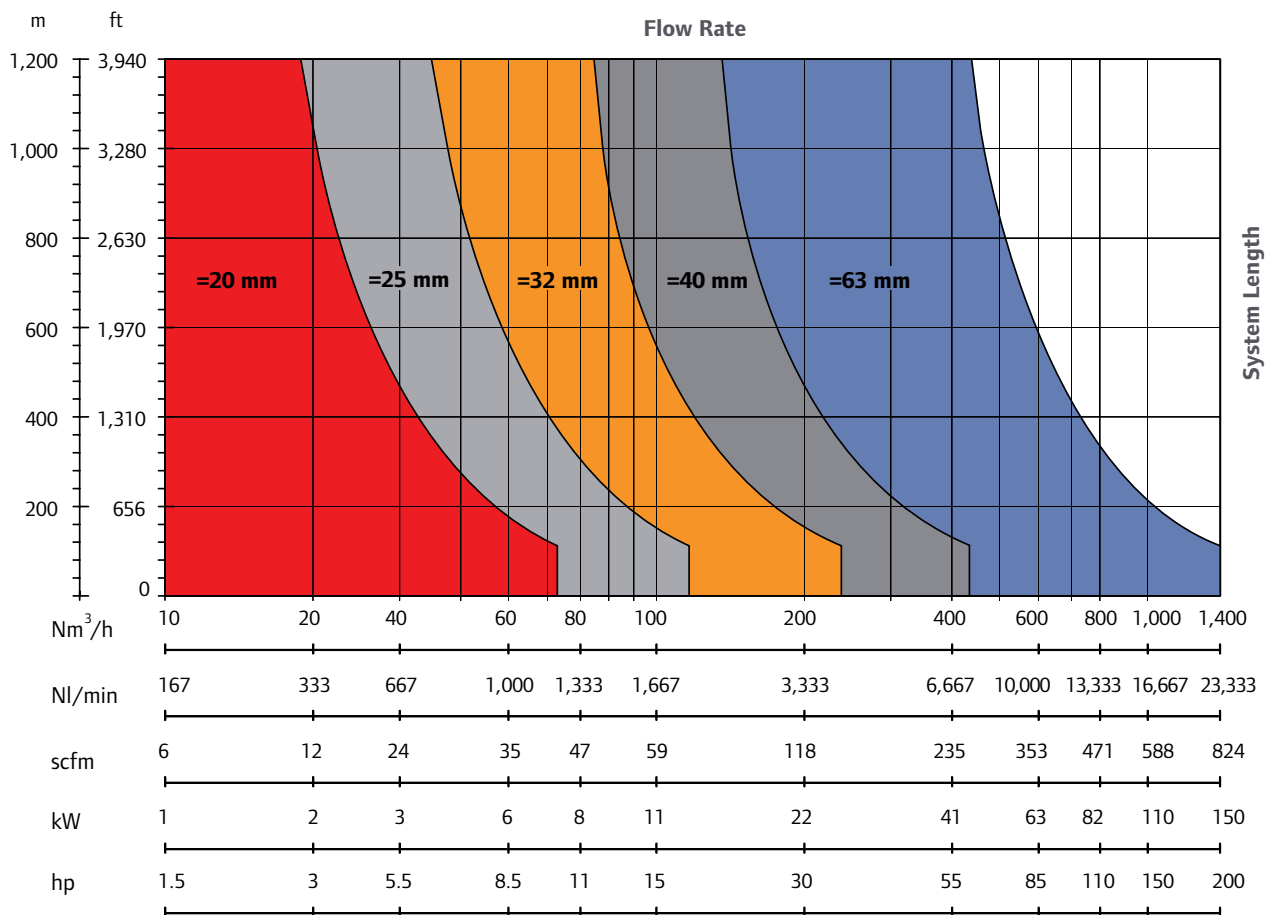


# Wide Range of Sizes to Meet Your Needs

The seamless extruded aluminium 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



For reference only. Assumes 6.9 barg/100 psig closed loop system.

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%.

# SimplAir EPL Fittings

Description	Diameter				
	20 mm	25 mm	32 mm	40 mm	63 mm
 Aluminium Pipe	•	•	•	•	•
 Socket	•	•	•	•	•
 Union Socket	•	•	•	•	•
 Male Socket	1/2" 3/4"	1/2" 3/4" 1"	1" 1 1/4"	1" 1 1/4" 1 1/2"	1 1/2" 2"
 Male Socket-Aluminium	1/2"	3/4"	1"	1 1/4"	2"
 Female Socket-Aluminium	1/2"	3/4"	1"	1 1/4"	2"
 90° Elbow	•	•	•	•	•
 45° Elbow	•	•	•	•	•
 Male Wall Elbow-Brass	1/2" 3/4"	1/2" 3/4"			
 Female Wall Elbow-Brass	1/2"	1/2"			

## Specifications

- Max operating pressure: 14 barg (203 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











- Aluminium alloy according to EN AW-6060 extruded and calibrated

## Thermal Treatment

- Drained "T6"

## Finishing

- QUALICOAT RAL 5015 powder painting (flame-retardant)

	Description	Diameter				
		20 mm	25 mm	32 mm	40 mm	63 mm
	Cap	•	•	•	•	•
	Reducer		20	25	32	40
	Tee	•	•	•	•	•
	Reducing Tee		20	25	32	40
	Drop		20	20	20 25	20 25 32
	Male Drop		1/2"	1/2"	1/2" 3/4"	1/2" 3/4" 1"
	Female Drop		1/2"	1/2"	1/2" 3/4"	1/2" 3/4" 1"
	Valve-Brass	•	•	•	•	•
	2 Port Point of Use Manifold Female	1/2"	1/2"			
	3 Port Point of Use Manifold Female 3/4" BSP + 3 x 1/2" Female BSP					

#### 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.





Ingersoll Rand (NYSE:IR) advances the quality of life by creating and sustaining safe, comfortable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Schlage®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; secure homes and commercial properties; and increase industrial productivity and efficiency. Ingersoll Rand products range from complete compressed air systems, tools and pumps to material handling systems. The diverse and innovative products, services and solutions enhance our customers' energy efficiency, productivity and operations. We are a \$14 billion global business committed to a world of sustainable progress and enduring results.



[ingersollrandproducts.com](http://ingersollrandproducts.com)

Distributed by:

Ingersoll Rand, IR and the IR logo are trademarks of Ingersoll Rand, its subsidiaries and/or affiliates. All other trademarks are the property of their respective owners.

Ingersoll Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll Rand does not approve specialised equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service.

Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Ingersoll Rand's standard terms and conditions of sale for such products, which are available upon request.

Product improvement is a continuing goal at Ingersoll Rand. Designs and specifications are subject to change without notice or obligation.