

# Quickair™

Modular Aluminium Piping system

CONNECT WITH CONFIDENCE

## Aluminium Piping

- Plant air
- Inert Gas distribution
- Manufacturing hand tool operation
- Manual and automated welding operations
- Semi-Conductor tool hook up
- Valve actuation - Control systems
- Micro bulk inert gas delivery systems
- Robotic Installations

## MODULAR ALUMINIUM PIPING SYSTEM

For

Compressed Air, Nitrogen, Vacuum  
and Inert Gases

Size: 16mm to 63mm and 3" to 8".



ISO 9001:2008



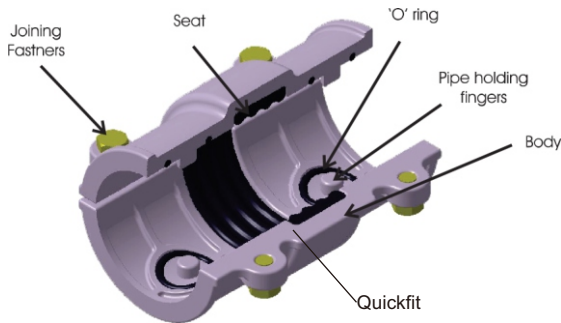
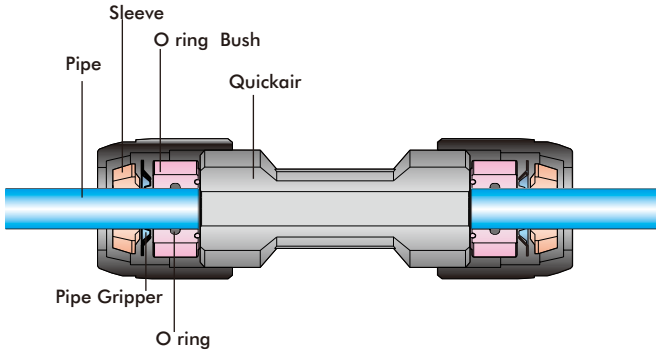
97/23/EC(PED)



[www.quickair.in](http://www.quickair.in)

# Cut, Clean, Mark it, Push Connect!

**Quickair™**  
Modular Aluminium Piping system



Flow Rate			Length									
			164 ft	328 ft	429 ft	984 ft	1640 ft	2460 ft	3280 ft	4265 ft	5249 ft	6561 ft
Nm³/Hr	NI/min	cfm	50 m	100 m	150 m	300 m	500 m	750 m	1000 m	1300 m	1600 m	2000 m
10	167	6	16	16	16	20	20	20	20	25	25	25
30	500	18	16	20	20	25	25	25	25	25	25	32
50	833	29	20	25	25	25	25	25	25	32	32	32
70	1167	49	20	25	25	25	32	32	40	40	40	50
100	1667	59	25	25	32	32	32	40	40	50	50	63
150	2500	88	32	32	32	32	40	50	50	63	63	80
250	4167	147	32	32	40	40	50	50	63	63	80	80
350	5883	206	32	40	40	50	50	63	63	63	80	80
500	8333	294	40	50	50	50	50	63	63	80	80	80
750	12500	441	50	50	50	50	50	63	80	80	80	80
1000	16667	589	50	50	50	50	63	80	80	80	80	80
1500	25000	883	50	50	63	63	63	80	80	80	80	80
2000	29167	1030	50	50	63	63	80	80	80	80	80	80
3000	50000	1766	50	63	63	80	80	100	100	150	150	150
3500	58332	2060	80	80	100	100	150	150	150	150	150	150
4000	66657	2354	80	100	100	100	150	150	150	150	150	150
4500	74983	2648	80	100	100	150	150	150	150	150	150	150
5000	83308	2942	80	100	100	150	150	150	150	150	150	150
5500	91661	3237	100	100	100	150	150	150	150	150	150	150
6000	99986	3531	100	100	150	150	150	150	150	150	150	150
6500	108311	3825	150	150	150	150	150	150	150	150	150	200
7000	119978	4237	150	150	200	150	150	150	150	200	200	200
8000	133315	4708	200	200	200	200	200	200	200	200	200	200

## Technical Specification

Fittings	
<b>Material Of Construction</b>	Engineering Plastic(Quickair)/SS(Quickfit)
<b>Connection Type</b>	Push to Fit
<b>Certification</b>	ISO
<b>Max.Working Pressure</b>	13 bar
<b>Plant Testing Pressure 1 hr at 20 degree C</b>	1.5 bar
<b>Quality testing Pressure 1 hr at 20 degree C</b>	20 bar
<b>Continuous Service Temp Limit</b>	80° C
<b>Max Peak Temp</b>	90° C (for EPDM -130° C)
<b>O Ring &amp; Lip Gasket Material</b>	HNBR/EPDM
<b>Grab ring</b>	Spring Steel
<b>Thread Standard</b>	BSP (Metric)
<b>Fitting Body Surface Treatment</b>	Natural SS
<b>Manufacturing with Safety norms</b>	CE
Tubes	
<b>Materials specification</b>	Aluminum Alloy 6063 -T5
<b>Ra Value</b>	0.6(axial)/1.2(radial)
<b>Tensile strength</b>	150 Min Mpa
<b>Hardness</b>	60 BHM
<b>Color code</b>	Blue (RAL 5012) other colors are optional
<b>Tolerance</b>	Tolerance Std.IS2763, IS3965, EN-755-2

## Pressure Drop Calculator

Pressure Drop

Pipe Length, L  mtrs

Pipe Dia, D  mm

Free Air Flow Rate  \*cfm

Pipeline Pressure  bar

**TOTAL =**

### Canares Engineering Co.

Address:- 85/B-0 ,Industrial Suburb,  
Industrial Layout  
Yeshwanthpur Bangalore - 560022.  
karnataka - India  
Phone :- + 91-080-23578014 / 23578012  
Toll Free No:- 1800 4258014  
Email:-sales@canares.com  
sales@quickair.in  
www.quickair.in