

OMEGA AIRCOM

PIPING

Contamination-free compressed air lines



At **OMEGA Compressors**, we design and deliver comprehensive compressed air treatment systems that eliminate the contaminants inherent in compressed air. Unlike companies offering only a limited selection of products, or alternately, manufacturers for whom air treatment is only an after thought, **OMEGA** focuses on complete compressed air treatment systems.

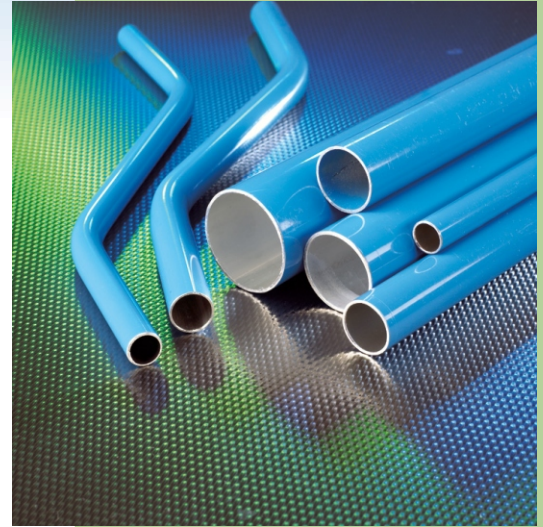
We strive to provide pure, contamination free compressed air to every point in your plant air system. In order to ensure that the delivery of compressed air remains contamination free, we are pleased to add the **OMEGA AIRCOM** Piping system to our product offering.



OMEGA AIRCOM Piping is an integrated, flexible system of precision aluminum piping and space age thermoplastic fittings that responds to the new competitive reality in many industries. Businesses need the ability to integrate new technology and equipment, as well as expand and contract their production capacity, quickly and with a minimum of downtime. The **OMEGA AIRCOM** Piping system, with its easy-to-install or retrofit components and superior construction, saves time and money by minimizing downtime and reducing pressure drop, ensuring that your compressed air distribution system works at maximum efficiency.

PIPING

- Tubular extruded aluminum pipe
- Available in nine sizes: 12, 16, 20, 25, 32, 40, 50, 63 & 80 MM
- Lightweight
- External pipe painted with powder-coated blue paint
- Smooth, clean, non-corrosive, rust-proof internal finish
- Easy to install and adapts to existing metal pipe systems
- Burst-tested to 1740 pounds, rated for 174 PSIG operating pressure



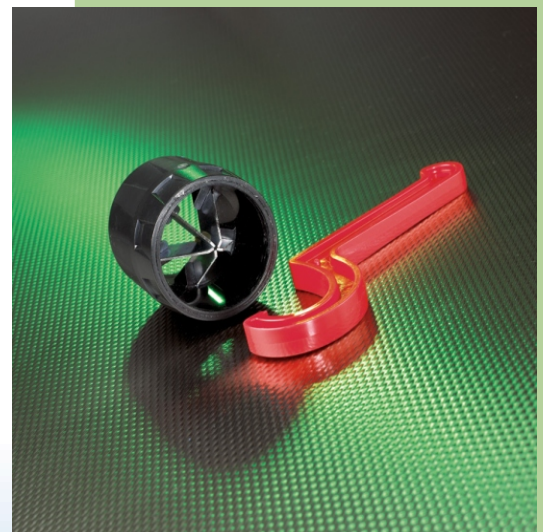
FITTINGS

- Compression fittings made from polyamide plastic (12mm to 63mm)
- **80MM fittings are constructed of aluminum**
- Smooth internal finish
- Assorted fittings available in nine sizes
- Metal NPT adapters available for adapting to steel pipe systems
- Quick branch drop leg fitting can be adapted anywhere in the pipe network
- Burst-tested to 1740 pounds, rated for 174 PSIG operating pressure
- Oil-resistant O-ring seals



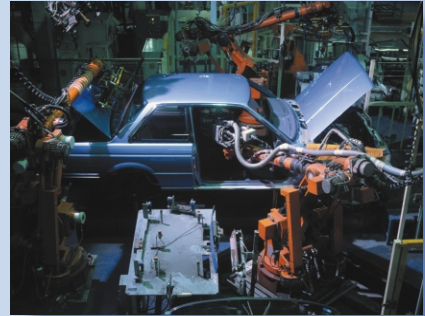
INSTALLATION

- Installation time is 50% to 75% quicker than with conventional metal pipe systems
- Little layout planning required due to system flexibility
- Minimal downtime when incorporating additional piping to existing system
- Customer's mechanical staff can modify pipe system in-house
- System can be modified easily at very low cost
- System can be easily dismantled and reinstalled at a new facility



OMEGA AIRCOM PIPE SYSTEM BENEFITS

- Low pressure drop results in significant energy savings
- Substantial savings due to lower labour costs
- Pipe threading equipment is not required
- Half the weight of metal pipe systems
- Smooth surface allows for higher flows with less resistance
- Aluminum pipes prevent the contamination prevalent in metal pipe systems
- Reduced maintenance and equipment replacement costs
- Extended life for production machinery
- Corrosion resistance prevents leaks and allows the piping to retain its full performance characteristics
- Aluminum pipe cost is similar to steel
- System maintains air quality after treatment
- Reduces downtime and lost or delayed production
- Aesthetically appealing
- TSSA/CRN registered, ISO 9002 certified

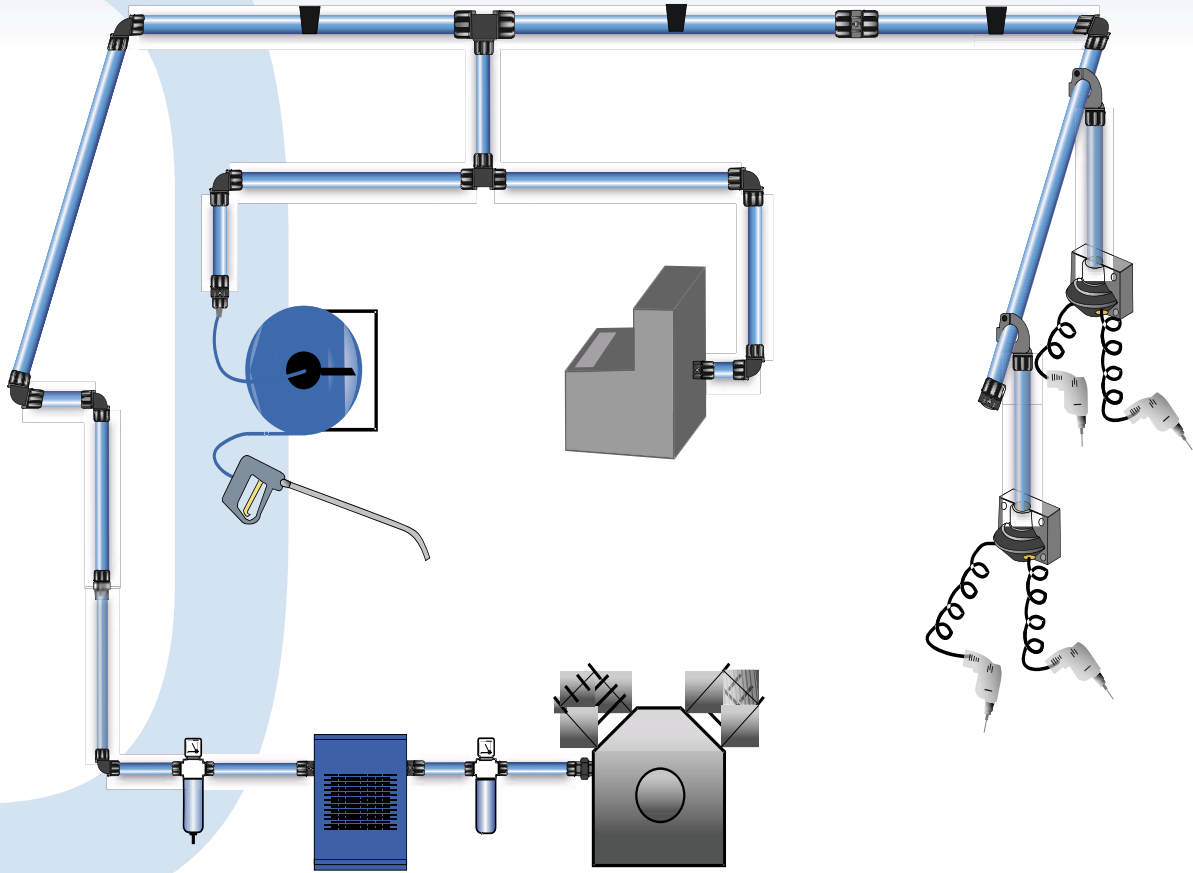


Pipe Scale? Corrosion problems?

You'll never have to worry about either with the **OMEGA AIRCOM piping system**. The aluminum piping is rust-proof and the internal surface remains clean and smooth for as long as your system operates.


























COMPRESSED AIR DISTRIBUTION SYSTEM NETWORK



OMEGA AIRCOM PIPE SIZE SELECTION

FLOW (CFM)	65 FT	130 FT	330 FT	655 FT	985 FT	1310 FT	1640 FT	3280 FT	4920 FT	6560 FT
6	20	20	20	20	20	20	20	20	20	20
18	20	20	20	25	25	25	25	25	25	25
29	20	20	25	25	25	25	25	25	25	40
59	20	25	25	25	25	25	40	40	40	40
118	25	25	25	40	40	40	40	40	40	50
177	25	25	40	40	40	40	40	40	50	50
236	25	40	40	40	40	50	50	50	50	50
294	40	40	40	40	40	50	50	50	50	63
353	40	40	40	50	50	50	50	50	63	63
412	40	40	40	50	50	50	50	63	63	63
471	40	40	50	50	50	50	63	63	63	63
530	40	40	50	50	50	63	63	63	63	63
589	40	40	50	50	63	63	63	63	63	63
736	40	50	50	63	63	63	63	63	63	63
883	40	50	63	63	63	63	63	63	63	63
1031	50	63	63	63	63	63	63	63	63	63

Length in feet. Pipe size in mm.

	DESCRIPTION	CODE*	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
	Aluminum Pipe	TUAL	12	16	20	25	32	40	50	63	80	
	Double Bend	SCI	12	16	20	25						
	90° Elbow f/f	GO9010	12	16	20	25	32	40	50	63	80	
	45° Elbow f/f	GO4510			20	25	32	40	50	63		
	Equal Tee	TE10	12	16	20	25	32	40	50	63	80	
	Equal Pipe Tee to Female NPT	TP10	20x1/2"	25x1/2"								80x2 1/2"
	Reducing Tee	TR10		16x12	20x12 20x16	25x12 25x16 25x20	32x20 32x25	40x20 40x25 40x32	50x25 50x32 50x40	63x25 63x32 63x40 63x50		
	Coupling	MA10	12	16	20	25	32	40	50	63	80	
	Reducing Coupling	RID10				25x20	32x20	40x32	50x40	63x50		
	Pipe Coupling to Male NPT Thread	MN10	12x1/4" 12x3/8" 12x1/2"	16x3/8" 16x1/2"	20x1/2" 20x3/4"	25x1/2" 25x3/4" 25x1"	32x1" 32x1 1/4"	40x1" 40x1 1/4" 40x1 1/2"	50x1 1/2" 50x2"	63x2" 63x2 1/2"		
	Pipe Coupling to Female NPT Thread Brass Body	MPM10			20x1/2" 20x3/4"	25x1"	32x1 1/4"	40x1 1/2"	50x2"	63x2 1/2"		
	Pipe Coupling to Male NPT Thread Brass Body	MNM10			20x1/2" 20x3/4"	25x1"	32x1 1/4"	40x1 1/2"	50x2"	63x2 1/2"	80x2 1/2" 80x3"	
	Union Adapter to Female NPT Thread Brass Body	BP10				25x1"	32x1 1/4"	40x1 1/2"	50x2"	63x2 1/2"		
	End Cap	CA10			20	25	32	40	50	63	80	
	Quick Branch Drop Leg	DER10				25x12 25x16 25x20	32x12 32x16 32x20	40x12 40x16 40x20 40x25	50x16 50x20 50x25	63x20 63x25 63x32	80x20" 80x25" 80x32"	
	Quick Branch Drop Leg to Brass Female NPT Thread	DERFF				25x1/2"	32x1/2"	40x1/2" 40x3/4"	50x1/2" 50x3/4"	63x1/2" 63x3/4" 63x1"	80x1/2" 80x3/4" 80x1"	
	Two Port Wall Mount Manifold f/f Brass NPT	APL	12x1/2"x1/2"	16x1/2"x1/2"	20x1/2"x1/2"	25x1/2"x1/2"	1/2" Inlet x1/2"x1/2"	3/4" Inlet x1/2"x1/2"				
	Elbow for Wall Mounting F/F Thread, Brass NPT	GM	1/2"x1/2"									
	Elbow for Wall Mounting M/F Thread, Brass NPT	GMMF	3/8"x3/8"	1/2"x1/2"	3/4"x3/4"							
	Quick Line Ball Valve	VA10	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"				
	Pipe Bracket	FE	12	16	20	25	32	40	50	63	80	
	Pipe Bracket c/w MB Threaded Inserts	FEM8			20	25	32	40	50	63	80	
	Flexible Expansion Hose	FLEX			20	25	32	40	50	63		

*consult price list for specific ordering codes

Compressed Air Accessories

Aluminum Air Piping

Ball Valves

Check Valves

Compressed Air Filters

Compressor Oil

Compressor Pumps

Desiccant Air Dryers

Electric Motors

Electronic Auto Drains

Filter Elements

Filter - Regulators - Lubricators

Flex Itose Connectors

Gauges



Magnetic Starters

Oil Monitors

Oil/Water Separators

Pilot Valves

Pneumatic Auto Drains

Pressure Switches

Refrigerated Air Dryers

Remote Air Receivers

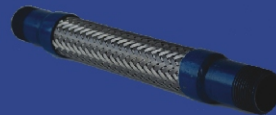
Safety Valves

Service Parts

Throttle Controls

Vibration Isolator

Water Separators



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