

# PURESTREAM PIPING

BY AIRCOM



Contamination-free compressed air lines



✓ Leak Free ✓ Never Rusts ✓ Easy to Install ✓ Certified

# PURESTREAM PIPING

## Contamination-free compressed air lines

**PURESTREAM PIPING** is an integrated, flexible system of precision aluminum piping, fittings as well as space age thermo- plastic 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 Purestream 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.



# WHY PURESTREAM?

## The Benefits of a Purestream Piping System

### SAVE MONEY

Low pressure drop results in significant energy savings

Substantial savings due to lower labour costs

Aluminum pipe cost is similar to steel

Reduces downtime and lost or delayed production

### EASY TO INSTALL

Installation is 50% to 75% quicker than with conventional metal pipe systems

Little layout planning required due to system flexibility

Pipe threading equipment is not required

Half the weight of metal pipe systems

### LONGER LIFE

Aluminum pipes prevent contamination common in metal pipe systems

Reduced maintenance and equipment replacement costs

Extended life for production machinery

Corrosion resistance prevents leaks

### MODIFY OR EXTEND

System can be modified easily at very low cost

Customer's mechanical staff can modify pipe system in-house

Minimal downtime when adding piping to existing system

System can be easily dismantled and reinstalled at a new facility



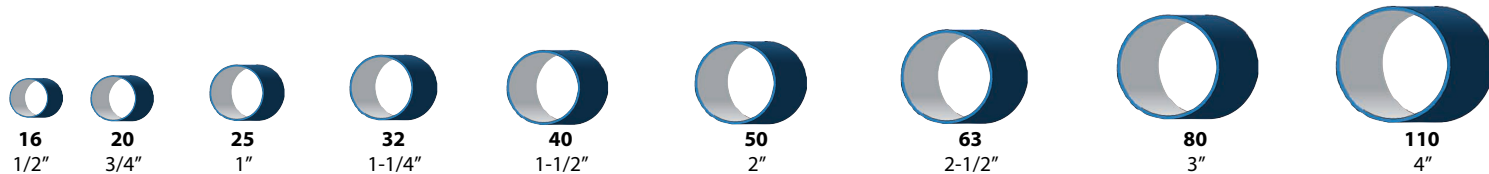
### About CAG Purification

At CAG Purification, 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 afterthought, CAG focuses solely 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 Purestream Piping system to our product offering.



# PRODUCT FEATURES



## PIPING

- Tubular extruded aluminum pipe
- Available in 9 sizes:  
16, 20, 25, 32, 40, 50, 63, 80, 110 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 for 16-40 mm sizes, 145 PSIG for 50-110 mm sizes

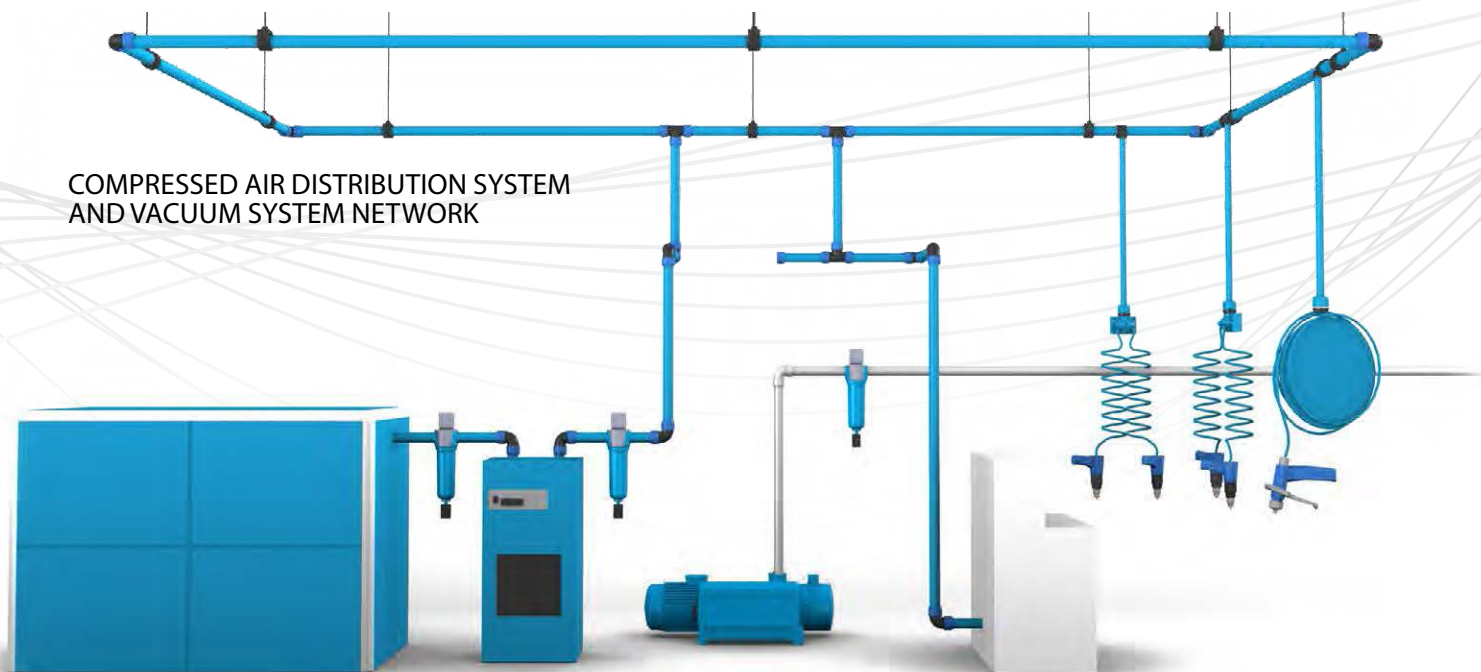
## FITTINGS

- Compression fittings made from polyamide plastic 16-63mm
- Compression fittings made from aluminum alloy (20-110mm)
- Smooth internal finish
- Assorted fittings available in 9 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 for sizes 16-40 mm sizes, 145 PSIG for 50-110 mm sizes
- Oil resistant o-rings and seals

**TSSA/CRN registered, ISO 9002 certified**






















COMPRESSED AIR DISTRIBUTION SYSTEM  
AND VACUUM SYSTEM NETWORK



# PURESTREAM PRODUCTS

		SIZE									
	DESCRIPTION	16	20	25	32	40	50	63	80	110	168
	Blue Aluminum Pipe	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CODE: TUAL										
	Grey Aluminum Pipe	✓	✓	✓	✓	✓	✓	✓	✓		
	CODE: TUALGY										
	Green Aluminum Pipe		✓	✓		✓		✓			
	CODE: TUALG										
	Double Bend	✓	✓	✓							
	CODE: SCI										
	Coupling	✓	✓	✓	✓	✓	✓	✓			
	CODE: MAPA										
	Aluminum Coupling		✓	✓	✓	✓	✓	✓	✓	✓	
	CODE: MAAL										
	Flanged Coupling								63x2"	80x3"	110x4"
	CODE: MFLAL										
	Sliding Coupling				✓	✓	✓	✓			
	CODE: MASP										
	Sliding Aluminum Coupling				✓	✓	✓	✓	✓		
	CODE: MASAL										
	90° Elbow	✓	✓	✓	✓	✓	✓	✓			
	CODE: GO90PA										
	90° Elbow Pipe To Thread			20x½"	25x½"						
	CODE:GO90PM				25x¾"						
	90° Elbow Aluminum		✓	✓	✓	✓	✓	✓	✓	✓	
	CODE:GO90AL										
	45° Elbow		✓	✓	✓	✓	✓	✓			
	CODE: GO45PA										
	45° Elbow, Pipe/Female Npt Aluminum		20x½"	25x¾"							
	CODE: GO45FAL										
	45° Aluminum Elbow		✓	✓	✓	✓					
	CODE: GO45ALO										
	Equal Tee	✓	✓	✓	✓	✓	✓	✓			
	CODE: TEPA										
	Equal Tee Aluminum		✓	✓	✓	✓	✓	✓	✓	✓	
	CODE: TEAL										
	Reducing Tee		20x16	25x16	32x20	40x25	50x32	63x40			
	CODE: TRPA			25x20	32x25	40x32	50x40	63x50			
	Tee Pipe To Thread		20x½"	25x½"							
	CODE: TPPA										
	Tee Pipe To Thread Al		20x½"	25x¾"	32x1	40x¼	50x1-½	63x2	80x2-½	110x3"	
	CODE: TPAL										
	End Cap	✓	✓	✓	✓	✓	✓	✓			
	CODE: CAPA										
	End Cap Aluminum		✓	✓	✓	✓	✓	✓	✓		
	CODE: CAAL										

## PURESTREAM PRODUCTS (CONT'D)

		SIZE									
	DESCRIPTION	16	20	25	32	40	50	63	80	110	168
	Reducing Coupling			25x20	32x25	40x25 40x32	50x40				
	CODE: RIDPA										
	Reducing Coupling									110x63 110x80	
	CODE: RIDTU										
	Pipe To Male Thread	16x½"	20x½" 20x¾"	25x½" 25x¾" 25x1"	32x1" 32x1-¼"	40x1" 40x1-¼" 40x1-½"	50x1-½" 50x2"	63x2"			
	CODE: MNPA										
	Pipe To Male Thread Al		20x½" 20x¾"	25x1"	32x1-¼"	40x1-½"	50x2"	63x2" 63x2-½"	80x3" 80x2-½"		
	CODE: MPMAL										
	Pipe To Female Thread Al		20x½" 20x¾"	25x1" 25x¾"	32x1-¼"	40x1-½"	50x2"	63x2-½"			
	CODE: MPMAL										
	Quick Branch Drop Pipe			25x16 25x20	32x16 32x20	40x16 40x20 40x25	50x16 50x20 50x25	63x20 63x25 63x32	80x20 80x25 80x32	110x25 110x32	
	CODE: DERPA										
	Quick Branch Drop Female			25x½"	32x½"	40x½" 40x¾"	50x½" 50x¾"	63x½" 63x¾" 63x1"	80x½" 80x¾" 80x1"	110x¾" 110x1"	
	CODE: DERFF										
	Quick Branch Drop Aluminum										
	CODE: DERAL										
	Pneumatic Single Action Valve				✓	✓	✓	✓			
	CODE: VAVIP										
	Pneumatic Control Valve				✓	✓	✓	✓			
	CODE: KITVA										
	Single Port Wall Mount Manifold Pipe To Female NPT	16x½"	20x½"								
	CODE: APM										
	Wall Mount Manifold Pipe To Dual Female NPT Outlets	16x½"	20x½"	25x½"							
	CODE: APL										
	Single Port Aluminum Wall Mount Manifold Npt To Npt	½x½"									
	CODE: APFRL										
	Single Port Alum. Wall Mount Manifold with Side Ports All Npt	½x½"									
	CODE: APFRL										
	Dual Port Alum. Wall Mount Manifold With Side Ports All Npt	½x½" ¾x½"									
	CODE: APLAL										
	Five Port Alum. Wall Mount Manifold with Side Ports All Npt	¾x½"									
	CODE: PMUAL										
	Seven Port Alum. Wall Mount Manifold with Side Ports All Npt	¾x½"									
	CODE: PMUAL										
	Single Port Wall Mount Manifold Pipe to Female Npt c/w Valve	16x½"	20x½"	25x½"							
	CODE: APMVA										
	Three Port Manifold-½" Female Npt w/Ball Valve	16x½"	20x½"								
	CODE: APLFRALVA										
	Four Port Manifold-½" Female Npt w/Ball Valve	16x½"	20x½"	25x½"							
	CODE: APLALVA										

## PURESTREAM PRODUCTS (CONT'D)

		SIZE									
	DESCRIPTION	16	20	25	32	40	50	63	80	110	168
	Dual Port Wall Manifold Pipe To Female Npt c/w Valve	16x½"	20x½"	25x½"							
	CODE: APLVA										
	Ten Port Manifold Pipe To Female Thread	16x¼x3/8"	20x¼x3/8"								
	CODE: PMUO										
	Female/Male Ball Valve to Pipe	16x½"	20x½"	25x¾"							
	CODE: VAM										
	Quick Line Male Threaded Npt Connection Ball Valve With Al. Ring Nut		20x½"	25x¾"							
	CODE: VAMAL										
	Quick Line Female Threaded Npt Connection Ball Valve With Al. Ring Nut		20x½"	25x¾"							
	CODE: VAFAL										
	Pipe Bracket With 5/16" Nut	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CODE: FEM										
	Pipe Bracket Spacers		✓	✓	✓	✓	✓	✓			
	CODE: SPE										
	Replacement Bushings With O Ring	✓	✓	✓	✓	✓	✓	✓	✓		
	CODE: BUR										
	Fitting Nut With Clinch Ring	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CODE: GHRP/GHRAL										
	Chamfering Tools	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CODE: SMO										
	Aluminum Fittings Wrench		✓	✓	✓	✓	✓	✓	✓		
	CODE: CLEA										
	Fittings Nut Wrench	✓	✓	✓	✓	✓	✓	✓			
	CODE: CLE										
	Universal Nut/Strap Wrench	✓	✓	✓	✓	✓	✓	✓	✓		
	CODE: CLU										
	Pipe Insertion Measuring Device	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CODE: MIS/MISAL										
	Pipe Bracket Threaded Adapters M8-3/8" Thread	✓	✓	✓	✓	✓	✓	✓	✓		
	CODE: FEM ADAPTER										

## PURESTREAM PIPE SELECTION

FLOW (CFM)	65'	130'	330'	655'	985'	1310'	1640'	3280'	4920'	6560'
6	16	16	16	16	16	16	16	20	20	20
18	16	16	16	16	20	20	20	25	25	32
29	16	16	20	20	20	25	32	32	32	32
59	20	25	25	25	25	32	32	40	40	50
118	32	32	40	40	40	40	50	50	63	63
177	32	32	40	40	40	50	50	63	63	63
236	32	40	40	40	50	50	63	63	80	80
294	32	40	50	50	50	63	63	63	80	80
353	40	40	50	50	63	63	63	80	110	110
412	40	40	50	50	63	63	50	63	63	63
471	50	50	50	50	50	50	63	80	110	110
530	50	50	63	63	63	63	63	80	110	110

[illegible]

# RELATED PRODUCTS

## More from CAG Purification



Desiccant Dryers



Moisture Separators



Compressed Air Filters



Alternative Elements



Vacuum Pump Filters



Breathing Air



Refrigerated Dryers



After-coolers



Membrane Dryers



Drains



Oil/Water Separators



FRL



Monitoring



CWM Chillers



CWT Chillers

Tel 1 905 820 3348

Fax 1 905 820 3490

Toll 1 800 951 0777

General email

Sales email

Website

[cagpure@cagpurification.com](mailto:cagpure@cagpurification.com)

[sales@cagpurification.com](mailto:sales@cagpurification.com)

[www.cagpurification.com](http://www.cagpurification.com)

CAG Purification 3770B Unit 2, Laird Road, Mississauga ON. L5L 0A7