

AIR~FLO

AIR PIPING

Light weight, Robust
and Energy-efficient

Maximize savings with
Aluminium air piping solution



AIR~FLO
AIR PIPING

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AIR PIPING

WHEN YOUR BUSINESS DEPENDS
ON RELIABLE COMPRESSED AIR,
**AIR~FLO DELIVERS.
EVERY TIME**

Efficient piping systems drive successful industries, yet many customers face pressure drop & leakages in piping systems, affecting air quality and efficiency. Traditional threaded or welded connections are prone to rusting, pressure drop, contaminated air, leakages and maintenance.

Air-Flo Piping Solution ensures minimal pressure drops, maintaining superior air quality for critical applications. Its modular design reduces installation time to 1/6th compared to conventional systems (for 20-63mm sizes). The lightweight Air-Flo pipe can be transported and installed by a single person, eliminating the need for additional manpower. With these features, Air-Flo offers unmatched efficiency, reliability, and cost-effectiveness.



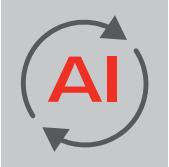
AIR~FLO

AIR PIPING

EXPERIENCE WORLD-CLASS
QUALITY AND SUPERIOR
OPERATIONAL EFFICIENCY

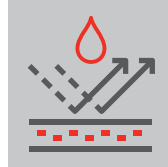


FEATURES & BENEFITS



All-Aluminium Design

Safer and more reliable than MS, GI, and PVC pipes, ensuring long-lasting performance.



Corrosion Resistance

Reduces friction losses and minimizes pressure drops for consistent air quality.



Lightweight Construction

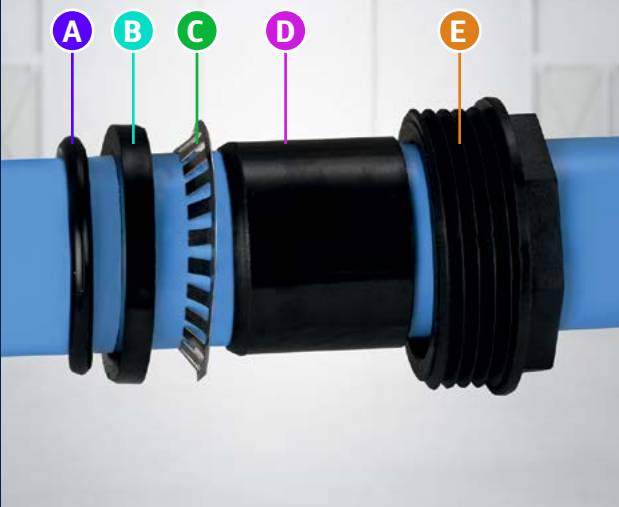
Up to 85% lighter than mild steel pipes, simplifying transportation and handling.



Faster Installation

Cuts installation time to 1/6th compared to traditional welded pipes, saving time and labour costs.

EASY FIT CONNECTIONS



- A. O-ring
- B. Sleeve
- C. Steel ring
- D. Bush
- E. Cap

ASSURANCE



Air-flo comes with a 10-year warranty, giving you complete peace of mind for a decade of reliable performance.



Air-flo's ensures zero leakage, delivering maximum efficiency and uncompromised performance.

PRODUCT SPECIFICATIONS



Pipe

MoC	Aluminium Alloy 6063-T5
Color	Blue powder coated (RAL 5012)/Anodised Other colours on request
Surface finish	60 Microns

Fittings

Material of Construction of Fittings

Size	20mm – 219mm
Body	Aluminium
Caps & Bush	Engineering Plastic
Oring	HNBR/EPDM (for other options, please consult)

Key Parameters

Application	Compressed air, Vacuum, Nitrogen, Argon (other fluids & gases, please contact us)
Pressure	Max 20 bar
Vacuum	29.32" Hg
Temperature	-20° C to 90° C
Design Standard	ASME B 31.1/3

Sizing Chart

Air-Flo pipes are manufactured with rigorous quality assurance protocols at every stage of production. They are available in a wide range of sizes to meet diverse needs: 20mm, 25mm, 32mm, 40mm, 50mm, 63mm, 76mm, 90mm, 113mm, 168mm, 219mm.

FLOW RATE			LENGTH									
			164 ft	328 ft	429 ft	984 ft	1640 ft	2460 ft	3280 ft	4265 ft	5249 ft	6561 ft
m ³ /hr	Ltr/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	20	20	20	20	20	20	20	25	25	25
30	500	18	20	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	76
250	4167	147	32	32	40	40	50	50	63	63	76	90
350	5883	206	32	40	40	50	50	63	63	63	90	90
500	8333	294	40	50	50	50	50	63	63	76	90	90
750	12500	441	50	50	50	50	50	63	76	90	90	90
1000	16667	589	50	50	50	50	63	76	90	90	90	90
1500	25000	883	50	50	63	63	63	90	90	90	90	90
2000	29167	1030	50	50	63	63	76	90	90	90	90	90
3000	50000	1766	50	63	63	76	90	113	113	168	168	168
3500	58332	2060	76	76	113	113	168	168	168	168	168	168
4000	66657	2354	76	113	113	113	168	168	168	168	168	168
4500	74983	2648	90	113	113	168	168	168	168	168	168	168
5000	83308	2942	90	113	113	168	168	168	168	168	168	168
5500	91661	3237	113	113	113	168	168	168	168	168	168	168
6000	99986	3531	113	113	168	168	168	168	168	168	168	168
6500	108311	3825	168	168	168	168	168	168	168	168	168	168
7000	119978	4237	168	168	219	168	168	168	168	219	219	219
8000	133315	4708	219	219	219	219	219	219	219	219	219	219

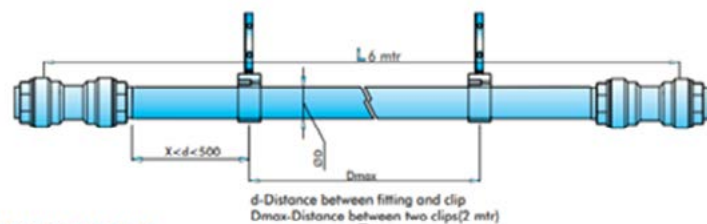
Installation

Air-Flo Aluminium Fittings feature a one-touch pneumatic push design, offering the advantage of accelerated installation for sizes ranging from 20mm to 63mm.

To remove the tube, simply push the removal clip on the pipe and press towards the fitting, disengaging the steel ring and releasing the pipe. The fittings also include an integral condensate retention design, ensuring superior flow without causing pressure drops.

CRITICAL: Prior to installing the Air-Flo system, qualified personnel must conduct a thorough inspection of the installation area to verify compliance with explosion prevention regulations. The system must be positioned downstream of either the receiver or dryer, with a mandatory flexible hose installed at the system entry point to neutralize typical compressed air vibrations.

Safety is paramount – all maintenance and modifications require complete system depressurization through proper venting. To maintain system integrity, installers must exclusively use Air-Flo certified components and accessories, with no exceptions. The installer bears full responsibility for ensuring the installation strictly adheres to provided instructions and meets all applicable safety standards and legal requirements. Failure to follow these protocols may compromise system safety and void warranty protection.



Aluminium Pipe, Pipe to Pipe Connector & Elbow

ALUMINIUM PIPE

Part Number	Diameter	Length
B017308410001	20	6
B017308410002	25	6
B017308410003	32	6
B017308410004	40	6
B017308410005	50	6
B017308410303	63	6
B017308410316	76	6
B017308410012	90	6
B017308410013	113	6
B017308410014	168	6
B017308410015	219	6
B017308410006	20	3
B017308410007	25	3
B017308410008	32	3
B017308410009	40	3
B017308410010	50	3
B017308410011	63	3
B017308410352	76	3
B017308410016	90	3
B017308410017	113	3
B017308410018	168	3
B017308410019	219	3

ELBOW 90 DEGREE

Part Number	Diameter
B017308410073	20
B017308410074	25
B017308410075	32
B017308410076	40
B017308410077	50
B017308410078	63
B017308410318	76
B017308410334	90
B017308410080	113
B017308410081	168
B017308410082	219

ELBOW 45 DEGREE

Part Number	Diameter
B017308410427	20
B017308410428	25
B017308410429	32
B017308410405	40
B017308410406	50
B017308410407	63
B017308410408	76
B017308410409	90
B017308410410	113
B017308410411	168

PIPE TO PIPE CONNECTOR

Part Number	Diameter
B017308410020	20
B017308410021	25
B017308410022	32
B017308410023	40
B017308410024	50
B017308410025	63
B017308410317	76
B017308410333	90
B017308410026	90
B017308410027	113
B017308410028	168
B017308410029	219

REDUCED ELBOW

Part Number	Maj. dia.	Min. dia.
B017308410083	25	20
B017308410084	32	20
B017308410085	32	25
B017308410086	40	20
B017308410087	40	25
B017308410088	40	32
B017308410089	50	20
B017308410090	50	25
B017308410091	50	32
B017308410092	50	40
B017308410093	63	20
B017308410094	63	25
B017308410095	63	32
B017308410096	63	40
B017308410097	63	50

Equal Tee , Female Threaded Tee & Reduced Tee

REDUCED TEE

Part Number	Maj. dia.	Min. dia.
B017308410040	25	20
B017308410041	32	20
B017308410042	32	25
B017308410043	40	20
B017308410044	40	25
B017308410045	40	32
B017308410046	50	20
B017308410047	50	25
B017308410048	50	32
B017308410049	50	40
B017308410050	63	20
B017308410051	63	25
B017308410052	63	32
B017308410053	63	40
B017308410054	63	50
B017308410366	76	40
B017308410367	76	50
B017308410368	76	63
B017308410055	90	40
B017308410056	90	50
B017308410057	90	63
B017308410058	113	40
B017308410059	113	50
B017308410060	113	63
B017308410350	113	76
B017308410061	113	90
B017308410062	168	40
B017308410063	168	50
B017308410064	168	63
B017308410369	168	76
B017308410065	168	90
B017308410066	168	113
B017308410067	219	40
B017308410068	219	50
B017308410069	219	63
B017308410070	219	76
B017308410071	219	113
B017308410072	219	168

EQUAL TEE

Part Number	Diameter
B017308410030	20
B017308410031	25
B017308410032	32
B017308410033	40
B017308410034	50
B017308410035	63
B017308410319	76
B017308410335	90
B017308410037	113
B017308410038	168
B017308410039	219

FEMALE THREADED TEE

Part Number	Maj. dia	Min. dia
B017308410181	20	1/2"
B017308410182	20	3/4"
B017308410183	25	1/2"
B017308410184	25	3/4"
B017308410185	25	1"
B017308410186	32	1/2"
B017308410187	32	3/4"
B017308410188	32	1"
B017308410189	40	1/2"
B017308410190	40	3/4"
B017308410191	40	1"
B017308410192	50	1/2"
B017308410193	50	3/4"
B017308410194	50	1"
B017308410195	63	1/2"
B017308410196	63	3/4"
B017308410197	63	1"

**Reducer , Male
Connector & End Cap.**

REDUCER

Part Number	Maj. dia	Min. dia
B017308410148	25	20
B017308410149	32	20
B017308410150	32	25
B017308410151	40	20
B017308410152	40	25
B017308410153	40	32
B017308410154	50	20
B017308410155	50	25
B017308410156	50	32
B017308410157	50	40
B017308410158	63	20
B017308410159	63	25
B017308410160	63	32
B017308410161	63	40
B017308410162	63	50
B017308410413	76	20
B017308410414	76	25
B017308410358	76	40
B017308410359	76	50
B017308410360	76	63
B017308410418	90	20
B017308410419	90	25
B017308410163	90	40
B017308410164	90	50
B017308410165	90	63
B017308410345	90	76
B017308410166	113	40
B017308410167	113	50
B017308410168	113	63
B017308410351	113	76
B017308410169	113	90
B017308410170	168	40
B017308410171	168	50
B017308410172	168	63
B017308410420	168	76
B017308410173	168	90
B017308410174	168	113
B017308410175	219	40
B017308410176	219	50
B017308410177	219	63
B017308410178	219	76
B017308410179	219	113
B017308410180	219	168

MALE CONNECTOR

Part Number	Maj. dia	Min. dia
B017308410123	20	1/2"
B017308410124	20	3/4"
B017308410125	25	1/2"
B017308410126	25	3/4"
B017308410127	25	1"
B017308410128	32	1"
B017308410129	32	1-1/4"
B017308410130	40	1"
B017308410131	40	1-1/2"
B017308410132	50	1-1/2"
B017308410133	50	2"
B017308410134	63	2"
B017308410135	63	2-1/2"
B017308410322	76	2"
B017308410323	76	2-1/2"
B017308410324	76	3"
B017308410338	90	2"
B017308410339	90	2-1/2"
B017308410340	90	3"

END CAP

Part Number	Diameter
B017308410138	20
B017308410139	25
B017308410140	32
B017308410141	40
B017308410142	50
B017308410143	63
B017308410325	76
B017308410341	90
B017308410145	113
B017308410146	168
B017308410147	219

Male Droplets , Saddle Droplets , Female Droplets & Female Ball valve

MALE DROPLET

Part Number	Maj.dia	Min.dia
B017308410098	25	20
B017308410099	32	20
B017308410100	32	25
B017308410101	40	20
B017308410102	40	25
B017308410103	50	20
B017308410104	50	25
B017308410105	63	20
B017308410106	63	25
B017308410387	76	20
B017308410388	76	25
B017308410109	90	20
B017308410110	90	25
B017308410113	113	20
B017308410114	113	25
B017308410117	168	20
B017308410118	168	25
B017308410121	219	20
B017308410122	219	25

SADDLE DROPLETS

Part Number	Maj.dia	Min.dia
B017308410320	76	20
B017308410321	76	25
B017308410336	90	20
B017308410337	90	25
B017308410390	113	20
B017308410353	113	25
B017308410391	168	20
B017308410392	168	25

FEMALE BALL VALVE

Part Number	Diameter
B017308410262	1/4"
B017308410263	1/2"
B017308410264	3/4"
B017308410265	1"
B017308410266	1-1/4"
B017308410267	1-1/2"
B017308410268	2"
B017308410269	2-1/2"
B017308410347	3"

FEMALE DROPLET

Part Number	Maj.dia	Min.dia
B017308410198	25	1/2"
B017308410199	25	3/4"
B017308410200	32	1/2"
B017308410201	32	3/4"
B017308410202	32	1"
B017308410203	40	1/2"
B017308410204	40	3/4"
B017308410205	40	1"
B017308410206	50	1/2"
B017308410207	50	3/4"
B017308410208	50	1"
B017308410209	63	1/2"
B017308410210	63	3/4"
B017308410211	63	1"
B017308410395	76	1/2"
B017308410396	76	3/4"
B017308410107	90	1/2"
B017308410108	90	3/4"
B017308410397	90	1"
B017308410398	90	1-1/4"
B017308410111	113	1/2"
B017308410112	113	3/4"
B017308410115	168	1/2"
B017308410116	168	3/4"

SADDLE FEMALE DROPLETS

Part Number	Maj.dia	Min.dia
B017308410329	76	1/2"
B017308410330	76	3/4"
B017308410331	76	1"
B017308410355	113	1/2"
B017308410356	113	3/4"
B017308410399	113	1"
B017308410400	168	1/2"
B017308410401	168	3/4"
B017308410402	168	1"

Inline Ball Valve, Butterfly valve, Flange End, Clips & Valve

INLINE BALL VALVE

Part Number	Diameter
B017308410256	20
B017308410257	25
B017308410258	32
B017308410259	40
B017308410260	50
B017308410261	63

BUTTERFLY VALVE

Part Number	Diameter
B017308410299	90
B017308410300	113
B017308410301	168
B017308410302	219

FEMALE THREADED - INLINE BALL VALVE

Part Number	Maj.dia	Min.dia
B017308410253	20	3/4"
B017308410254	25	1"

FLANGE END

Part Number	Maj.dia	Min.dia
B017308410430	3	113
B017308410432	4	168
B017308410361	3	76
B017308410346	3	90
B017308410289	3	90
B017308410290	4	113
B017308410291	6	168
B017308410433	6	113
B017308410292	8	219

U BOLTS

Part Number	Diameter
B017308410332	76
B017308410349	90
B017308410357	113
B017308410422	168
B017308410423	219

INLINE BALL VALVE (BRASS)

Part Number	Diameter
B017308410251	20
B017308410252	25

MINI BALL VALVE - MALE FEMALE

Part Number	Diameter
B017308410255	1/2"

WALL BRACKET SINGLE WAY

Part Number	Maj.dia	Min.dia
B017308410253	20	1/2"
B017308410254	25	1/2"

WALL BRACKET TWO WAY WITH MINI VALVE

Part Number	Maj.dia	Min.dia
B017308410245	20	1/2"
B017308410246	25	1/2"

WALL BRACKET TWO WAY WITHOUT MINI VALVE

Part Number	Maj.dia	Min.dia
B017308410247	20	1/2"
B017308410248	25	1/2"

MANIFOLD 20MM

Part Number	Maj.dia	Min.dia
B017308410270	4	1/2"
B017308410271	5	1/2"
B017308410272	6	1/2"

MANIFOLD 25MM

Part Number	Maj.dia	Min.dia
B017308410273	4	1/2"
B017308410274	5	1/2"
B017308410275	6	1/2"

CLIPS

Part Number	Diameter
B017308410218	20
B017308410219	25
B017308410220	32
B017308410221	40
B017308410222	50
B017308410223	63

**Fixture
Accessories
& Tools**

L - ANGLE

Part Number	Size
B017308410224	3"X4"
B017308410225	4"X6"
B017308410226	8"X4"
B017308410227	6"X6"
B017308410228	8"X6"
B017308410229	6"X9"
B017308410230	6"X12"
B017308410231	10"X24"

U- CLAMP

Part Number	Size
B017308410244	20mm - 50mm

SAMPLE KIT

Part Number	Size
B017308410371	Small Kit
B017308410372	Medium Kit
B017308410373	Large Kit
B017308410374	Integrated Kit

OPENING CLIPS

Part Number	Size
B017308410212	20
B017308410213	25
B017308410214	32
B017308410215	40
B017308410216	50
B017308410217	63

CAP OPENING TOOL

Part Number	Size
B017308410281	50
B017308410282	63
B017308410277	20
B017308410278	25
B017308410279	32
B017308410280	40

TUBE CUTTER

Part Number	MOQ	Pipe dia
B017308410283	MS	20mm - 63mm
B017308410284	SS	20mm - 63mm

DEBURNING TOOL

Part Number	Size
B017308410285	20mm - 76mm

CHAMFERING TOOL

Part Number	Size
B017308410287	20mm - 50mm
B017308410288	63mm - 213mm

CRIMPING MACHINE

Part Number	Size
B017308410286	40mm to 168mm

CRIMPING JAWS SET

Part Number	Size
B017308410375	40mm to 168mm

CRIMPING JAW

Part Number	Size
B017308410376	40mm to 168mm

CRIMPING INSERT

Part Number	Size
B017308410377	76 MM
B017308410378	90 MM
B017308410379	90 MM (OLD)
B017308410380	113 MM
B017308410381	168 MM
B017308410382	219 MM

OTHERS

Part Number	Description
B017308410383	CRIMPING PLATE
B017308410384	CRIMPING JAW PIN
B017308410385	CRIMPING JAW BALL
B017308410386	JAW SPRING

ELGi

Always Better.

Elgi Equipments Limited is a global air compressor manufacturer with a broad line of innovative and technologically superior compressed air systems.

ELGi has consistently worked towards ensuring that its customers achieve their productivity goals while keeping the cost of ownership low. ELGi offers a complete range of compressed air

solutions from oil lubricated and oil free rotary screw compressors, oil lubricated and oil free reciprocating compressors and centrifugal compressors, to dryers, filters, and downstream accessories.

The company's portfolio of over 400 products has found wide application across industries.

60+

Years of Customer-Centric Innovation

2 Mn+

Installations Worldwide

120+

Countries and Counting



DEMING PRIZE
2019

ELGi is the first globally established industrial air compressor manufacturer to be awarded the Deming Prize for Excellence in Total Quality Management.

ELGI[®]
Always Better.

