



QuickairTM
Modular Aluminium Piping system
PROFESSIONAL AFFORDABLE CONNECTIONS

MODULAR ALUMINIUM PIPING SYSTEM

For Industrial Gases
Liquids
Vacuum and Inert Gases

Size Range : 20mm to 200mm
Materials : Aluminium alloy
Connections : Push fit
Temperature Range : Up to 200°C
Pressure Range : Up to 20 bar





Quickair™ boasts of Loyal customers across all industrial vertical such as Electrical, Semi-conductor, Food & Pharma Textiles, Engineering, etc.

Few of our biggest customers are



and much more...

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Intruduction

For over 20 years industries have relied upon Quickair™ for most innovative and dependable modular piping and flow control solutions.

From inception over 20 years ago Quickair™ has grown to be a major international business with representation all around the world.

We are recognized as designing and building the most reliable product backed up by highly acclaimed customer service.

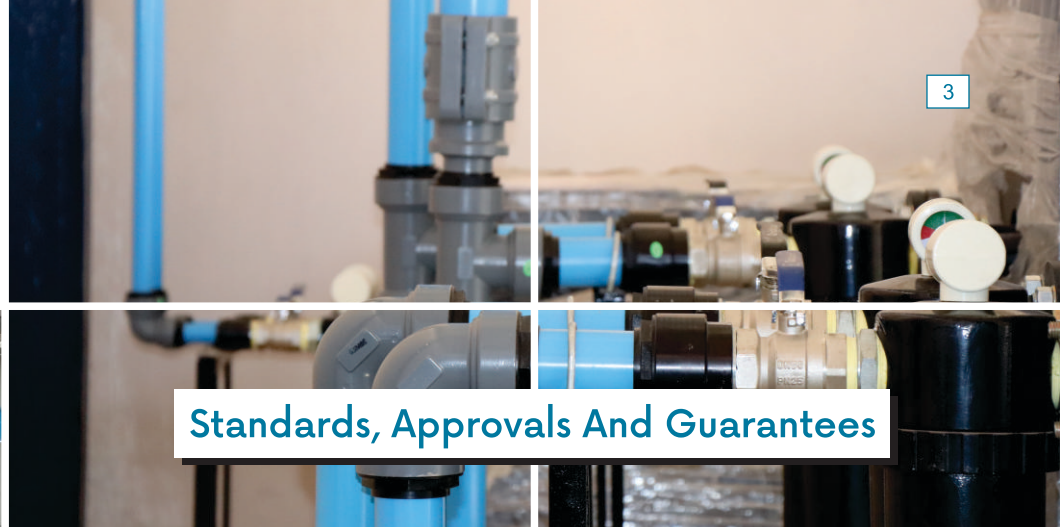
A genuine long term commitments to customers & partners, under pins our culture engineering excellence making Quickair™ a consistently dependable choice for products and service

Committed to Innovation

Throughout the company's history our engineers have focused on solving customer challenges and developing new solutions with levels of engineering skills and creativity that our competitors still can't match

Some innovation of adopted immediately, whilst other may require thousands of hours of testing and certification before they can be offer to our customers with every products Quickair™ develops we can be sure of one thing, the quality and reliability are an integral part.





Standards, Approvals And Guarantees

It is Canares policy to provide a range of products and services which meets or exceed, the requirements of our customers in respect of quality, cost and delivery.

Guarantees

Our policy of continuously and rigorously testing **Quickair™** fittings means we are confident they will give you years of trouble free service. To demonstrate the total confidence we have in our products and our commitment to customer service all **Quickair™** fittings are guaranteed against manufacturing defects for 10 years when installed in accordance with our instructions on specified tube materials and applications.

The Quickair™ Range Meets The Following Standards

Quickair™ Fittings all **Quickair™** general range fittings are comply with the requirements. ASME B31.1/3 specification for the fittings and tubes specification for tubes and fittings where pressure tight joints are not made on the threads (Metric Dimension).

Quality

Quality is of paramount importance to Canares group. Our products confirm to current Indian and Europe standards where applicable and also meet our own rigorous internal quality approvals. Canares group operates a quality management System for the development, manufacture and supply of fittings, tube, valves and accessories which complies with the requirements of ISO 9001:2015.

Markings Universal Marking

All **Quickair™** fittings carry the marking of manufacturing batch no. Where pipelines are constructed exclusively using **Quickair™** fittings and recommended tubes, the resulting Installation will be deemed **Quickair™** Systems and such qualify for a 10 year guarantee against all manufacturing Defects.

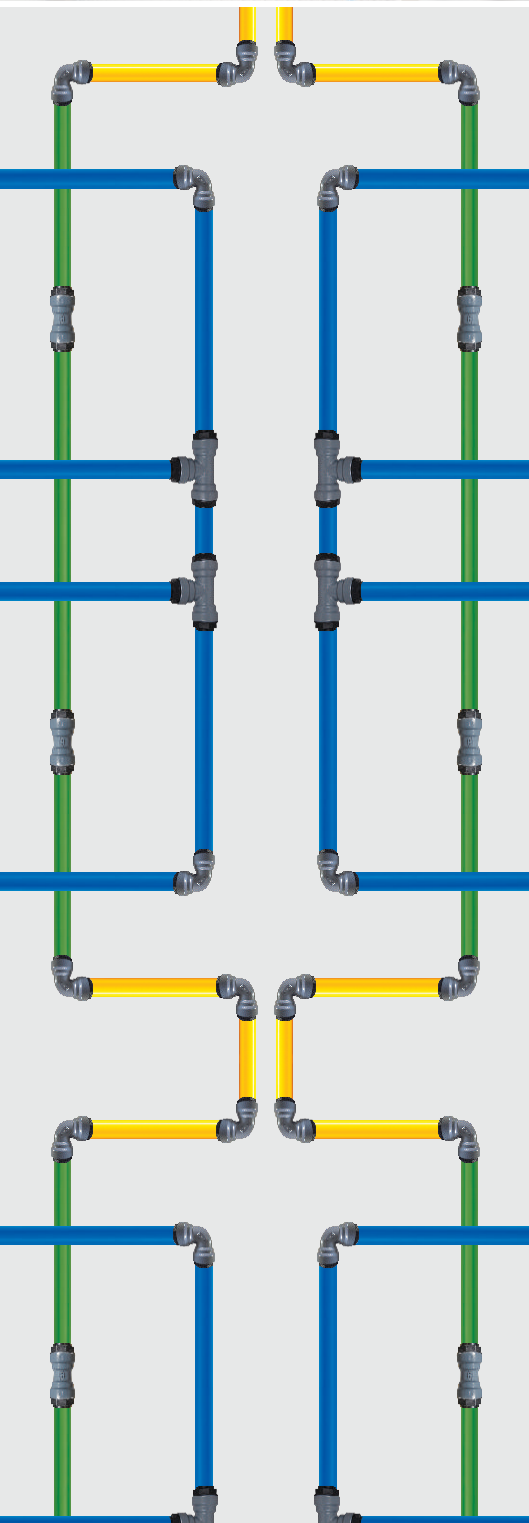
With a wealth of experience and the broadest range of solutions and the systems on the market, Canares **Quickair™** products mean you'll complete your installation as seamlessly, efficiently and effectively as possible.

Total Functionality, Complete Efficiency

Quickair™ range of Products innovatively designed systems that reduce installation time and cost without compromising quality, aesthetics or reliability. Our **Quickair™** product ranges are designed to perform faultlessly in a variety of applications and environments so you can always be sure to connect with confidence whatever your challenge.

Global Experience, Combined Expertise

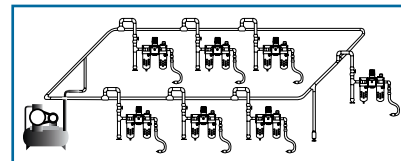
With over decade years of manufacturing and innovation combined with extensive industry knowledge and worldwide market experience, Canares offers the most advanced and complete Modular piping system on a global scale. As one India's largest and the most respected manufactures and suppliers of products for the plumbing, heating industries and gas piping. Canares group is confident we can provide you with all the connection, control and support your project needs.



Pre - Installation

Proper line sizing for an network

1. Identify type of network: closed loop or dead-end
2. Calculate total length of line (feet)
3. Determine total flow required



TOTAL LENGTH OF NETWORK													
TOTAL FLOW REQUIRED	FLOW RATE			LENGTH									
				164 ft	328 ft	429 ft	984 ft	1640 ft	2460 ft	3280 ft	4265 ft	5249 ft	6561 ft
	Nm ³ /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	

Calculations based on total maximum pressure drop (ΔP) of not more than 3 PSIG for entire network, at 100 PSIG @ 15.6 °C

Total flow required takes account of all flows for all compressed air powered tools and equipment

Note that a typical compressor will produce approximately 4 SCFM per HP



WARNING

Installation of Quickair™ compressed air distribution system must be made according to the assembly instructions as indicated in the installation guide (available on request or on the website)

Calculation

Flow Calculator

The **Quickair™** flow calculator helps you to choose the most suitable diameter for your installation. Enter the flow of your compressor, the system pressure rating and the total equivalent length of the system and add the components like valves, elbow, tee and reducers.

Example:

Flow Rate: 850 cfm at 109 psi

Total area: 1788 feet

The recommended **Quickair™** diameter is 80mm size (pressure drop of 145 psi=less than 5%)

PRESSURE DROP COMPONENTS		PRESSURE DROP ON STRAIGHT LINE	
	No of Ball Valve	Pressure Drop	
	No of Elbows	Pipe Length. L mtrs	
	No of Equal tee	Pipe Dia. D mm	
	No of Reducers	Free Air Flow Rate *cfm	
	TOTAL =	Pipeline Pressure bar	
CALCULATE CLEAR		CALCULATE CLEAR	
TOTAL PRESSURE DROP		GRAND TOTAL	

COST OF POWER CALCULATION			
BHP	Electrical Rate Rs/Yr.	CALCULATE	
No of Hr/Yr	Motor Efficiency %	CLEAR	

From above you can calculate cost of power for producing the compressed air. Visit: www.canares.com for live calculation.

Pipeline Systems

The **Quickair™** pipe line system has been designed and built for installation of compressed air and inert gas distribution system.

The materials and types of fittings used offer a flexible system that can be integrated with all **Quickair™** Systems and solve all the problems and meet all the requirements of even the most complex systems.

Innovative technology at the heart of **Quickair™** enables rapid and easy assembly, quick connection of components to the Aluminium pipes.

Profitable And Efficient Alternative

Quickair™ offers a cost effective, innovative and energy efficient aluminium, compressed air / Inertgas modular piping system that is very easy to assemble, Change and expand furthermore, labour accounts for only 20% of the cost of installing **Quickair™** by comparison labour account for welding 60 to 80% and for brazing 50 to 70%

Quickair™ OFFERS

- Lower installation cost
- Push-Fit concept
- No corrosion
- Modular design
- 20mm-200mm dia pipe sizes
- Re-usable fittings
- Easy to install



Testing

Quickair™ Piping Precautions And Testing

Care should be taken to protect pipes against mechanical shocks especially when close to the passage of fork-lift trucks where suspended objects are being moved. Quickair™ pipes must not be bent or welded.

Testing Procedure (ASME B31.3)

- The gas test pressure shall not be less than 1.2 for more than 1.5 times the design pressure of the piping system. It shall not exceed the maximum allowable test pressure of any Non-Isolated component.
- The pressure in the system shall gradually increased to not more than $\frac{1}{2}$ of the test pressure, the pressure shall be continuously maintained for a minimum time of 10 minutes.
- Than it shall be reduced to the lower of design pressure or 100psig (700kPa[Gage]) and held for such time as may be necessary to conduct examination for leakage. for leak test by soap bubble or equivalent method shall be made of all joint and connections.



Optimum Flow, Highest Air Quality & Low Maintenance

Quickair™ smooth calibrated Aluminium construction has a low friction co-efficient, providing the best possible laminar flow. Full bore fittings further minimize pressure drop for optimum flow and energy efficiency. Leak free connectors prevent air loss and wasted energy. Quickair™ is ideal for installations requiring the highest quality air / Inertgas. Quickair™ material will not rust or corrode. Further, it has no rough surfaces or interior restrictions that accumulate contaminants. The smooth interior with full bore design allows them to offer you energy efficiency.

The Quickair™ pipe line includes all the accessories you need for a top quality installation:

- Straight unions
- Elbows and tees
- Equal cross
- Reducing fittings
- Integrated loop drop
- Ball valves
- Quick assembly brackets and hangers
- Pipe clips
- Expansion and flex hoses
- FRL
- QRC

Where As Quickair™ Offers Features Includes

Installs faster than other common piping
No specialized techniques needed
No threading, welding, or brazing pipe
No special tools are needed
Can connect to existing systems with other pipe types
Easy to add on to or disassemble for your changing needs

Technical Specification Quickair™ Piping System

Application	Compressed air, vacuum, nitrogen, Argon (other fluids & gases please contact Us)
Pressure	Max 20 bar
Vacuum	29.32" hg
Temperature	-20° C to 200 C°
Design Standard	ASME B 31.1/3

Materials of Construction of Aluminium pipe

Alloy	Aluminium Alloy 6063 T5
Tolerance	Tolerance Std. IS2763, IS3965, EN-755-2
Color	Blue powder coated (RAL 5012) / Anodised other color on request
Surface finish	60 microns

Material of Construction of Fittings

Size	20– 63mm
Body	Aluminium
Caps & Bush	Aluminium
Oring	HNBR/EPDM (for other option please consult)
Size	3 - 8 inches
Body	Aluminium
Oring	HNBR/EPDM/VITON (for other option please consult)

Application: Compressed air, nitrogen, Vacuum, Co₂
for any other application Please contact.

Note: All products are 100% Tested

Chemical Composition of Aluminium Tubes

Alloy	6063
Al	Rest
Mg	0.35~0.6
Si	0.35~0.6
Fe	0.3
Mn	0.1
Zn	0.1
Cu	0.1
Impure	0.05~0.15

Fittings

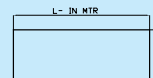
Quickair™ Fittings provides versatility of design and helps to overcome constraints often encountered with structure of industrial buildings

Quick Connections
Full bore design
Interchangeable and reusable
Non-flammable materials (UL94HB)
Maximum working pressure: 20 bar
Vacuum: 29.32" hg
Normal working temperature:-20°c to 180°c (option upto 200°c)

PIPE

AP24

Design Standard : ASME B 31.1/3
Standard Colour : 1) Blue, 2) Yellow, 3) Grey, 4) Green.
Other Colours are optional.

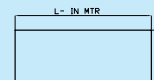


PART NO.	COLORS	SIZE	Thickness (mm)	METER	PN (bar)	Weight (kg)
AP24200016	Blue	20mm	1.25	6	20	1.194
AP24250016	Blue	25mm	1.50	6	20	1.794
AP24320016	Blue	32mm	1.60	6	20	2.472
AP24400016	Blue	40mm	2	6	20	3.870
AP24500016	Blue	50mm	2	6	20	4.884
AP24630016	Blue	63mm	2	6	20	6.210
AP24200013	Blue	20mm	1.25	3	20	0.597
AP24250013	Blue	25mm	1.50	3	20	0.897
AP24320013	Blue	32mm	1.60	3	20	1.236
AP24400013	Blue	40mm	2	3	20	1.935
AP24500013	Blue	50mm	2	3	20	2.442
AP24630013	Blue	63mm	2	3	20	3.105

PIPE

AP24

Design Standard : ASME B 31.1/3
Standard Colour : 1) Blue, 2) Yellow, 3) Grey, 4) Green.
Other Colours are optional.

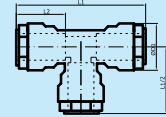


PART NO.	COLORS	SIZE	Ø (mm)	METER	PN (bar)	Weight (kg)
AP24300016	Blue	3"	90	6	20	11.100
AP24410016	Blue	4"	113.5	6	20	18.000
AP24600016	Blue	6"	168.3	6	20	28.800
AP24800016	Blue	8"	219.1	6	20	33.060
AP24300013	Blue	3"	90	3	20	5.550
AP24410013	Blue	4"	113.5	3	20	9.000
AP24600013	Blue	6"	168.3	3	20	14.400
AP24800013	Blue	8"	219.1	3	20	16.530

* For example : 40mm Blue pipe: AP24400013, for Yellow AP24400023, for Grey AP24400033, for Green AP24400043.

EQUAL TEE

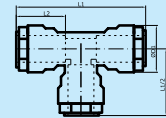
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
ET242000	20mm	36	110	43	20	0.130
ET242500	25mm	42	118	45	20	0.165
ET243200	32mm	55	140	51	20	0.380
ET244000	40mm	69	178	66	20	0.860
ET245000	50mm	80	198	72	20	1.008
ET246300	63mm	95	216	75	20	1.950

REDUCED TEE

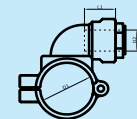
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
RT242520	25mm x 20mm	42	128	45	20	0.215
RT243220	32mm x 20mm	55	150	51	20	0.42
RT243225	32mm x 25mm	55	150	51	20	0.425
RT244020	40mm x 20mm	69	188	66	20	0.905
RT244025	40mm x 25mm	69	188	66	20	0.91
RT244032	40mm x 32mm	69	188	66	20	0.925
RT245020	50mm x 20mm	80	208	72	20	1.005
RT245025	50mm x 25mm	80	208	72	20	1.025
RT245032	50mm x 32mm	80	208	72	20	1.253
RT245040	50mm x 40mm	80	208	72	20	1.325
RT246320	63mm x 20mm	95	226	75	20	1.95
RT246325	63mm x 25mm	95	226	75	20	2.12
RT246332	63mm x 32mm	95	226	75	20	2.213
RT246340	63mm x 40mm	95	226	75	20	2.321
RT246350	63mm x 50mm	95	226	75	20	2.425

QUICKDROP - Male

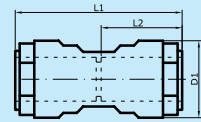
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	PN (bar)	Weight (Kg)
MD242520	25mm x 20mm	25	20	43	20	0.160
MD243220	32mm x 20mm	32	20	43	20	0.270
MD243225	32mm x 25mm	32	25	45	20	0.250
MD244020	40mm x 20mm	40	20	43	20	0.270
MD244025	50mm x 20mm	40	25	45	20	0.260
MD245020	50mm x 20mm	50	20	43	20	0.300
MD245025	50mm x 25mm	50	25	45	20	0.300
MD246320	63mm x 20mm	63	20	43	20	0.350
MD246325	63mm x 25mm	63	25	45	20	0.350

PIPE TO PIPE CONNECTOR

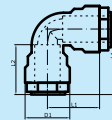
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
PP242000	20mm	36	88	43	20	0.086
PP242500	25mm	42	94	45	20	0.093
PP243200	32mm	55	104	51	20	0.021
PP244000	40mm	69	136	66	20	0.420
PP245000	50mm	80	147	72	20	0.525
PP246300	63mm	95	152	75	20	0.680

ELBOW

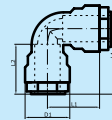
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
EL242000	20mm	36	110	43	20	0.090
EL242500	25mm	42	118	45	20	0.113
EL243200	32mm	55	140	51	20	0.250
EL244000	40mm	69	89	66	20	0.490
EL245000	50mm	80	99	72	20	0.634
EL246300	63mm	95	109	75	20	1.230

REDUCED ELBOW

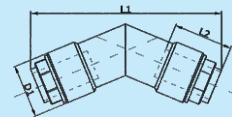
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
RE242520	25mm x 20mm	42	69	45	20	0.155
RE243220	32mm x 20mm	55	80	51	20	0.315
RE243225	32mm x 25mm	55	80	51	20	0.35
RE244020	40mm x 20mm	69	99	66	20	0.55
RE244025	40mm x 25mm	69	99	66	20	0.555
RE244032	40mm x 32mm	69	99	66	20	0.655
RE245020	50mm x 20mm	80	109	72	20	0.685
RE245025	50mm x 25mm	80	109	72	20	0.71
RE245032	50mm x 32mm	80	109	72	20	0.734
RE245040	50mm x 40mm	80	109	72	20	0.765
RE246320	63mm x 32mm	95	118	75	20	1.333
RE246325	63mm x 25mm	95	118	75	20	1.385
RE246332	63mm x 32mm	95	118	75	20	1.415
RE246340	63mm x 40mm	95	118	75	20	1.435
RE246350	63mm x 50mm	95	118	75	20	1.485

45° ANGLE ELBOW

Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic

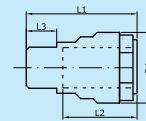


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
AE242000	20mm	36	130	43	20	0.180
AE242500	25mm	42	130	45	20	0.250
AE243200	32mm	55	150	54	20	0.450
AE244000	40mm	69	182	66	20	0.700
AE245000	50mm	80	208	72	20	0.870
AE246300	63mm	95	222	75	20	1.600

MALE CONNECTOR

Design Standard : ASME B 31.1/3

MOC:- Aluminium with Engineering Plastic

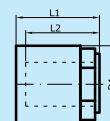


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	BSP	Weight (Kg)
MC242005	20mm x 0.5"	36	62	43	14	1/2"	0.070
MC242007	20mm x 0.7"	36	64	43	16	3/4"	0.070
MC242505	25mm x 0.5"	42	62	45	14	1/2"	0.080
MC242507	25mm x 0.7"	42	65	45	16	3/4"	0.090
MC242510	25mm x 1"	42	65	45	16	1"	0.100
MC243210	32mm x 1"	55	69	51	16	1"	0.165
MC243212	32mm x 1.2"	55	70	51	16.5	1 1/4"	0.195
MC244010	40mm x 1"	69	88	66	16	1"	0.365
MC244015	40mm x 1.5"	69	88	66	18	1 1/2"	0.365
MC245015	50mm x 1.5"	80	95	72	18	1 1/2"	0.450
MC245020	50mm x 2"	80	95	72	18	2"	0.460
MC246320	63mm x 2"	95	97	75	18	2"	0.780
MC246325	63mm x 2.5"	95	98	75	19	2 1/2"	0.840

END CAP

Design Standard : ASME B 31.1/3

MOC:- Aluminium with Engineering Plastic

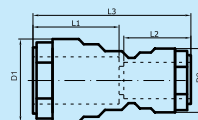
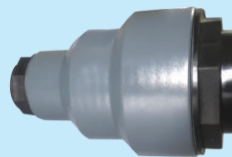


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
EC242000	20mm	36	49	43	20	0.072
EC242500	25mm	42	49	45	20	0.090
EC243200	32mm	55	55	51	20	0.185
EC244000	40mm	69	73	66	20	0.395
EC245000	50mm	80	78	72	20	0.550
EC246300	63mm	95	81	75	20	0.820

REDUCER

Design Standard : ASME B 31.1/3

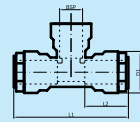
MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	PN (bar)	Weight (kg)
RD242520	25mm x 20mm	42	36	45	43	92	20	1.145
RD243220	32mm x 20mm	55	36	51	43	98	20	0.230
RD243225	32mm x 25mm	55	42	51	45	98	20	0.235
RD244020	40mm x 20mm	69	36	66	43	114	20	0.37
RD244025	40mm x 25mm	69	42	66	45	114	20	0.38
RD244032	40mm x 32mm	69	55	66	51	120	20	0.52
RD245020	50mm x 20mm	80	36	72	43	120	20	0.420
RD245025	50mm x 25mm	80	42	72	45	120	20	0.480
RD245032	50mm x 32mm	80	55	72	51	126	20	0.550
RD245040	50mm x 40mm	80	69	72	66	142	20	0.850
RD246320	63mm x 20mm	95	36	75	43	122	20	0.740
RD246325	63mm x 25mm	95	42	75	45	122	20	0.760
RD246332	63mm x 32mm	95	55	75	51	128	20	0.840
RD246340	63mm x 40mm	95	69	75	66	144	20	1.040
RD246350	63mm x 50mm	95	80	75	72	150	20	1.300

FEMALE THREAD TEE

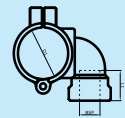
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1(mm)	L1(mm)	L2(mm)	BSP	PN (bar)	Weight (kg)
FT242005	20mm x 0.5"	36	110	43	0.5"	20	0.15
FT242007	20mm x 0.7"	36	110	43	0.7"	20	0.175
FT242505	25mm x 0.5"	42	118	45	0.5"	20	0.216
FT242507	25mm x 0.7"	42	118	45	0.5"	20	0.195
FT242510	25mm x 1"	42	118	45	1"	20	0.18
FT243205	32mm x 0.5"	55	140	51	0.5"	20	0.415
FT243207	32mm x 0.7"	55	140	51	0.7"	20	0.395
FT243210	32mm x 1"	55	140	51	1"	20	0.385
FT244005	40mm x 0.5"	69	178	66	0.5"	20	0.86
FT244007	40mm x 0.7"	69	178	66	0.7"	20	0.85
FT244010	40mm x 1"	69	178	66	1"	20	0.83
FT245005	50mm x 0.5"	80	198	72	0.5"	20	1.125
FT245007	50mm x 0.7"	80	198	72	0.7"	20	1.001
FT245010	50mm x 1"	80	198	72	1"	20	0.95
FT246305	63mm x 0.5"	95	216	75	0.5"	20	1.985
FT246307	63mm x 0.7"	95	216	75	0.7"	20	1.852
FT246310	63mm x 1"	95	216	75	1"	20	1.75

DROPLETS- Female Thread

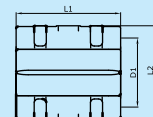
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	BSP	L1(mm)	PN (bar)	Weight (kg)
FD242505	25mm x 0.5"	25	1/2"	14	20	0.16
FD242507	25mm x 0.7"	25	3/4"	16	20	0.14
FD243205	32mm x 0.5"	32	1/2"	14	20	0.28
FD243207	32mm x 0.7"	32	3/4"	16	20	0.26
FD243210	32mm x 1"	32	1"	19	20	0.25
FD244005	40mm x 0.5"	40	1/2"	14	20	0.32
FD244007	40mm x 0.7"	40	3/4"	16	20	0.31
FD244010	40 x 1"	40	1"	19	20	0.301
FD245005	50mm x 0.5"	50	1/2"	14	20	0.34
FD245007	50mm x 0.7"	50	3/4"	16	20	0.32
FD245010	50mm x 1"	50	1"	19	20	0.31
FD246305	63mm x 0.5"	63	1/2"	14	20	0.38
FD246307	63mm x 0.7"	63	3/4"	16	20	0.36
FD246310	63mm x 1"	63	1"	19	20	0.34

PIPE TO PIPE CONNECTOR

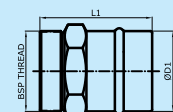
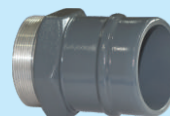
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	L2(mm)	PN (bar)	Weight (kg)
PC243000	3"	90	130	113	20	1.970
PC244100	4"	113.5	150	137	20	2.320
PC246000	6"	168.3	170	196	20	4.750
PC248000	8"	219.1	200	246	20	10.00

MALE CONNECTOR

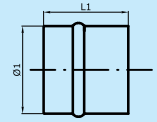
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	BSP	PN (bar)	Weight (kg)
MC243025	3" x 2.5"	90	119	2 1/2"	20	0.670
MC243030	3" x 3"	90	123	3"	20	0.710

ENDCAP

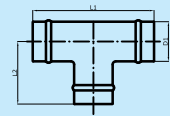
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	PN (bar)	Weight (kg)
EC243000	3"	90	100	20	1.83
EC244100	4"	113.5	110	20	2.43
EC246000	6"	168.3	130	20	3.2
EC248000	8"	219.1	150	20	4.5

EQUAL TEE

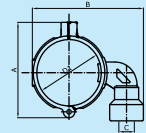
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	L2(mm)	PN (bar)	Weight (kg)
ET243000	3"	90	280	140	20	1.39
ET244100	4"	113.5	330	165	20	2.16
ET246000	6"	168.3	400	200	20	6.00
ET248000	8"	219.1	500	250	20	10.00

DROP

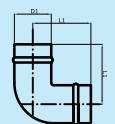
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	A(mm)	B(mm)	C	PN (bar)	Weight (kg)
FD243005	3" x 0.5"	90	133	155	1/2" BSP	20	0.500
FD243007	3" x 0.7"	90	133	155	3/4" BSP	20	0.470
MD243020	3" x 2"	90	133	155	20MM	20	0.470
MD243025	3" x 2.5"	90	133	155	25MM	20	0.450
FD244105	4" x 0.5"	113.5	160	182	1/2" BSP	20	0.610
FD244107	4" x 0.7"	113.5	160	182	3/4" BSP	20	0.580
MD244120	4" x 2"	113.5	160	182	20MM	20	0.600
MD244125	4" x 2.5"	113.5	160	182	25MM	20	0.570
FD246005	6" x 0.5"	168.3	200	240	1/2" BSP	20	1.11
FD246007	6" x 0.7"	168.3	200	240	3/4" BSP	20	1.05
MD246020	6" x 2"	168.3	200	240	20MM	20	1.1
MD246025	6" x 2.5"	168.3	200	240	25MM	20	1.07
FD248005	8" x 0.5"	219.1	270	300	1/2" BSP	20	1.61
FD248007	8" x 0.7"	219.1	270	300	3/4" BSP	20	1.51
MD248020	8" x 2"	219.1	270	300	20MM	20	1.5
MD248025	8" x 2.5"	219.1	270	300	25MM	20	1.6

ELBOW

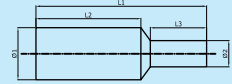
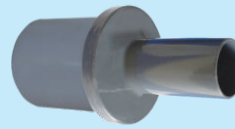
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	PN (bar)	Weight (kg)
EL243000	3"	90	140	20	0.940
EL244100	4"	113.5	165	20	1.53
EL246000	6"	168.3	200	20	5.00
EL248000	8"	219.1	250	20	9.00

REDUCER

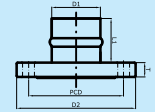
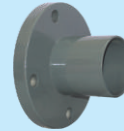
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1 (mm)	Ø2(mm)	L1 (mm)	L2 (mm)	L3 (mm)	PN (bar)	Weight (kg)
RD243040	3" x 40mm	90	40	175	95	70	20	0.529
RD243050	3" x 50mm	90	50	190	95	85	20	0.576
RD243063	3" x 63mm	90	63	201	95	96	20	0.63
RD244140	4" x 40mm	113.5	40	195	115	70	20	0.797
RD244150	4" x 50mm	113.5	50	210	115	85	20	0.844
RD244163	4" x 63mm	113.5	63	215	115	90	20	0.884
RD244130	4" x 3"	113.5	90	220	115	95	20	0.947
RD246040	6" x 40mm	168.3	40	225	145	70	20	1.49
RD246050	6" x 50mm	168.3	50	240	145	85	20	1.536
RD246063	6" x 63mm	168.3	63	245	145	90	20	1.576
RD246030	6" x 3"	168.3	90	250	145	95	20	1.639
RD246041	6" x 4"	168.3	113.5	270	145	115	20	1.762
RD248040	8" x 40mm	219.1	40	235	155	70	20	2.181
RD248050	8" x 50mm	219.1	50	250	155	85	20	2.227
RD248063	8" x 63mm	219.1	63	255	155	90	20	2.267
RD248030	8" x 3"	219.1	90	260	155	95	20	2.33
RD248041	8" x 4"	219.1	113.5	280	155	115	20	2.453
RD248060	8" x 6"	219.1	168.3	310	155	145	20	2.707

FLANGED END

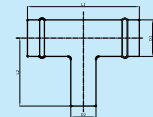
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1 (mm)	L1 (mm)	T (mm)	PCD (mm)	Ø (mm)	PN (bar)	Weight (kg)
FE243000	3"	90	95	23.8	152.4	190.5	20	1.820
FE244100	4"	113.5	115	23.8	190.5	228.6	20	2.43
FE246000	6"	168.3	145	25.4	241.3	279.4	20	2.9
FE248000	8"	219.1	155	28.4	298.4	342.9	20	4.00

REDUCING TEE

Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	PN (bar)	Weight (kg)
RT243040	3" x 40mm	280	110	90	40	20	0.7
RT243050	3" x 50mm	280	135	90	50	20	0.74
RT243063	3" x 63mm	280	135	90	63	20	0.77
RT244140	4" x 40mm	330	135	113.5	40	20	1.05
RT244150	4" x 50mm	330	135	113.5	50	20	1.06
RT244163	4" x 63mm	330	155	113.5	63	20	1.12
RT244130	4" x 3"	330	165	113.5	90	20	1.9
RT246040	6" x 40mm	400	155	168.3	40	20	2.2
RT246050	6" x 50mm	400	175	168.3	50	20	2.32
RT246063	6" x 63mm	400	175	168.3	63	20	2.35
RT246030	6" x 3"	400	185	168.3	90	20	2.3
RT246041	6" x 4"	400	200	168.3	113.5	20	2.9
RT248040	8" x 40mm	500	175	219.1	40	20	3.72
RT248050	8" x 50mm	500	175	219.1	50	20	3.73
RT248063	8" x 63mm	500	200	219.1	63	20	3.8
RT248030	8" x 3"	500	210	219.1	90	20	3.84
RT248041	8" x 4"	500	225	219.1	113.5	20	3.92
RT248060	8" x 6"	500	225	219.1	168.3	20	4.1

MANIFOLD With Mini Ball Valve (Horizontal)

Design Standard : ASME B 31.1/3



PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
GM321204	1 1/4" (32)	4	20	600	125	10
GM321206	1 1/4" (32)	6	20	600	125	10
GM401504	1 1/2" (40)	4	20	600	130	12
GM401506	1 1/2" (40)	6	20	600	130	12
GM502004	2" (50)	4	20	600	135	15
GM502006	2" (50)	6	20	600	135	15
GM632504	2 1/2" (63)	4	20	600	140	18
GM632506	2 1/2" (63)	6	20	600	140	18
GM753004	3" (75)	4	20	600	145	21
GM753006	3" (75)	6	20	600	145	21
GM10004	4" (100)	4	20	600	150	25
GM10006	4" (100)	6	20	600	150	25

MANIFOLD With Inbuilt Valve

Design Standard : ASME B 31.1/3



PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
GMIBV321204	1 1/4" (32)	4	20	600	125	10
GMIBV321206	1 1/4" (32)	6	20	600	125	10
GMIBV401504	1 1/2" (40)	4	20	600	130	12
GMIBV401506	1 1/2" (40)	6	20	600	130	12
GMIBV502004	2" (50)	4	20	600	135	15
GMIBV502006	2" (50)	6	20	600	135	15
GMIBV632504	2 1/2" (63)	4	20	600	140	18
GMIBV632506	2 1/2" (63)	6	20	600	140	18
GMIBV753004	3" (75)	4	20	600	145	21
GMIBV753006	3" (75)	6	20	600	145	21
GMIBV10004	4" (100)	4	20	600	150	25
GMIBV10006	4" (100)	6	20	600	150	25

MANIFOLD With Quick Coupler

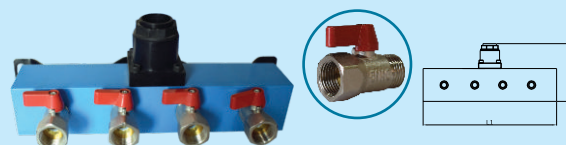
Design Standard : ASME B 31.1/3



PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
CAMPI2504	1" (25)	4	20	260	110	3

MANIFOLD With Mini Ball Valves

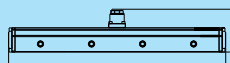
Design Standard : ASME B 31.1/3



PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
CAMPB2504	1" (25)	4	20	260	110	3

MANIFOLD With Mini Ball Valve Vertical

Design Standard : ASME B 31.1/3

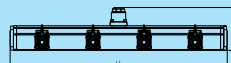


PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
GM321204	1 1/4" (32)	4	20	600	125	10
GM321206	1 1/4" (32)	6	20	600	125	10
GM401504	1 1/2" (40)	4	20	600	130	12
GM401506	1 1/2" (40)	6	20	600	130	12
GM502004	2" (50)	4	20	600	135	15
GM502006	2" (50)	6	20	600	135	15
GM632504	2 1/2" (63)	4	20	600	140	18
GM632506	2 1/2" (63)	6	20	600	140	18
GM753004	3" (75)	4	20	600	145	21
GM753006	3" (75)	6	20	600	145	21
GM10004	4" (100)	4	20	600	150	25
GM10006	4" (100)	6	20	600	150	25



MANIFOLD With Inbuilt Valve Vertical

Design Standard : ASME B 31.1/3

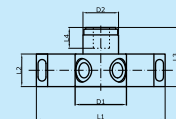


PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
GMIBV321204	1 1/4" (32)	4	20	600	125	10
GMIBV321206	1 1/4" (32)	6	20	600	125	10
GMIBV401504	1 1/2" (40)	4	20	600	130	12
GMIBV401506	1 1/2" (40)	6	20	600	130	12
GMIBV502004	2" (50)	4	20	600	135	15
GMIBV502006	2" (50)	6	20	600	135	15
GMIBV632504	2 1/2" (63)	4	20	600	140	18
GMIBV632506	2 1/2" (63)	6	20	600	140	18
GMIBV753004	3" (75)	4	20	600	145	21
GMIBV753006	3" (75)	6	20	600	145	21
GMIBV10004	4" (100)	4	20	600	150	25
GMIBV10006	4" (100)	6	20	600	150	25



WALL BRACKET ½" OUTLET 2WAY

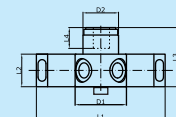
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	PN (bar)	Weight (kg)
WB242005	20mm x 0.5"	68	36	140	40	79	43	20	0.550
WB242505	25mm x 0.5"	68	42	140	40	79	45	20	0.570

WALL BRACKET ½" OUTLET 2WAY With DRAIN NUT

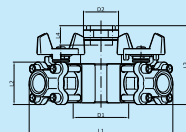
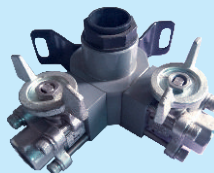
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	PN (bar)	Weight (kg)
WB242005D	20mm x 0.5"	68	36	140	40	79	43	20	0.550
WB242505D	25mm x 0.5"	68	42	140	40	79	45	20	0.570

WALL BRACKET ½" OUTLET 2WAY With VALVE (Inbuilt)

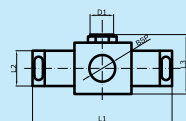
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	PN (bar)	Weight (kg)
TWBO242005	20mm x 0.5"	68	36	140	40	79	43	20	0.550
TWBO242505	25mm x 0.5"	68	42	140	40	79	45	20	0.570

SINGLE WAY WALL BRACKET

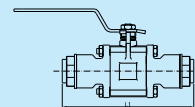
Design Standard : ASME B 31.1/3
 MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	PN (bar)	Weight (kg)
WB24012005	20mm x 0.5"	20	120	42	65	20	0.525
WB24012505	25mm x 0.5"	25	120	42	65	20	0.550

3 Piece INLINE BALL VALVE

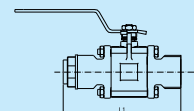
Design Standard : ASME B 31.1/3



PART NO.	SIZE (mm)	PN (bar)	L1 (mm)	Weight (kg)
BF242045	20	20	135	1
BF242554	25	20	168	2.1
BF243262	32	20	199	2.8
BF244074	40	20	202	3.2
BF245088	50	20	204	4.5
BF246307	63	20	224	7.37

3 Piece INLINE MALE BALL VALVE

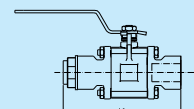
Design Standard : ASME B 31.1/3



PART NO.	SIZE (mm)	PN (bar)	L1	Weight (Kg)
BF24M2007	20	20	135	0.8
BF24M2510	25	20	168	1.6
BF24M3212	32	20	199	2.1
BF24M4015	40	20	202	3
BF24M5020	50	20	204	4
BF24M6325	63	20	224	7.37

3 Piece INLINE FEMALE BALL VALVE

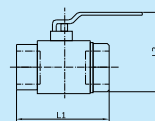
Design Standard : ASME B 31.1/3



PART NO.	SIZE (mm)	PN (bar)	L1	Weight (Kg)
BF24F2007	20	20	135	0.8
BF24F2510	25	20	168	1.6
BF24F3212	32	20	199	2.1
BF24F4015	40	20	202	3
BF24F5020	50	20	204	4
BF24F6325	63	20	224	7.37

FEMALE THREADED INLINE BALL VALVE (Brass)

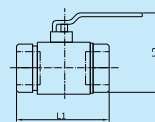
Design Standard : ASME B 31.1/3



PART NO.	SIZE (mm)	PN (bar)	L1	L2	Weight (Kg)
INBVF2007	20	20	75	70	0.35
INBVF2510	25	20	85	75	0.5

INLINE BALL VALVE (Brass)

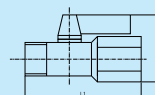
Design Standard : ASME B 31.1/3



PART NO.	SIZE (mm)	PN (bar)	L1	L2	Weight (Kg)
INBV20	20	20	90	70	0.35
INBV25	25	20	100	75	0.5

MINI BALL VALVE (Brass)

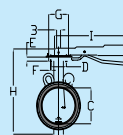
Design Standard : ASME B 31.1/3



PART NO.	SIZE	PN (bar)	L1	L2	Weight (Kg)
MBVMF050	1/2"	20	48	44	0.2

BUTTERFLY VALVE (CI)

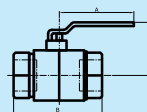
Design Standard : ASME B 31.1/3



PART NO.	SIZE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	PN (bar)	Weight (kg)
BF1218000	3"	46	15	81	50	17	7	65	255	195	16	3.500
BF1210000	4"	52	15	103	50	17	7	65	284	195	16	4.750
BF1250000	6"	56	19	153	70	17	9	90	358	320	16	9.150
BF1220000	8"	60	19	201	70	97	9	90	421	320	16	16.00

BALL VALVE

Design Standard : ASME B 31.1/3



PART NO.	SIZE	A (mm)	B (mm)	C (mm)	PN (bar)	Weight (kg)
BV110200	1/4"	90	38	48	16	0.100
BV110500	1/2"	90	46	58	16	0.150
BV110700	3/4"	90	52	65	16	0.213
BV111000	1"	106	60	69	16	0.318
BV111200	1 1/4"	110	62	80	16	0.480
BV111500	1 1/2"	148	83	92	16	0.680
BV112000	2"	148	89	110	16	1.800
BV112500	2 1/2"	217	110	132	16	2.206

CRIMPING JAWS

CJ13



PART NO.	SIZE	Weight (kg)
CJ133000	3"	5
CJ134100	4"	5
CJ136000	6"	5
CJ138000	8"	5

CAP OPENING TOOL



PART NO.	SIZE	Weight (kg)
OT132000	20	0.158
OT132500	25	0.152
OT133200	32	0.252
OT134000	40	0.318
OT135000	50	0.330
OT136300	63	0.409

TUBE CUTTER



PART NO.	SIZE	Weight (kg)
TC110100	20-63mm	0.380

DEBURING TOOL



PART NO.	SIZE	Weight (kg)
DB110000	20mm to 8"	0.028

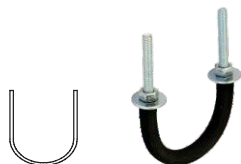
CRIMPING MACHINE



PART NO.	SIZE	Weight (kg)
CM130000	3" to 8"	3

PIPE HOLDER

Design Standard : ASME B 31.1
Standard Colour :
3" - 8" Powder Coated Stainless Steel



PART NO.	SIZE	Ø1	Weight (kg)
PH133000	3"	90.00	0.100
PH134000	4"	113.5	0.120
PH136000	6"	168.3	0.155
PH138000	8"	219.1	0.189

CHAMFERING TOOL



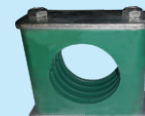
PART NO.	SIZE	Weight (kg)
CT110100	20-50mm	0.530

CHAMFERING TOOL FOR LARGER DIA



PART NO.	SIZE	Weight (kg)
CT110101	63-90mm 4" & 5"	2

CLIP



PART NO.	SIZE	Weight (kg)
CSPP2000	20	0.120
CSPP2500	25	0.130
CSPP3200	32	0.140
CSPP4000	40	0.158
CSPP5000	50	0.188
CSPP6300	63	0.200

Opening Clip



PART NO.	SIZE	Weight (kg)
OC132000	20	0.006
OC132500	25	0.008
OC133200	32	0.010
OC134000	40	0.015
OC135000	50	0.019
OC136300	63	0.022

CLIPS



PART NO.	SIZE	Weight (kg)
CL112000	20	0.015
CL112500	25	0.018
CL113200	32	0.023
CL114000	40	0.066
CL115000	50	0.084
CL116300	63	0.113

MALE SOCKET



PART NO.	SIZE	Weight (kg)
SM110200	1/4"	0.150
SM110300	3/8"	0.250
SM110500	1/2"	0.350
SM110700	3/4"	0.450
SM110000	1"	0.550

MALE PLUG



PART NO.	SIZE	Weight (kg)
PM110200	1/4"	0.050
PM110300	3/8"	0.050
PM110500	1/2"	0.050
PM110700	3/4"	0.070
PM111000	1"	0.090

FEMALE SOCKET



PART NO.	SIZE	Weight (kg)
SF110200	1/4"	0.200
SF110300	3/8"	0.250
SF110500	1/2"	0.350
SF110700	3/4"	0.450
SF111000	1"	0.500

FEMALE PLUG



PART NO.	SIZE	Weight (kg)
PF110200	1/4"	0.200
PF110300	3/8"	0.250
PF110500	1/2"	0.300
PF110700	3/4"	0.350
PF111000	1"	0.400

HOSE SOCKET



PART NO.	SIZE	Weight (kg)
SH110340	3/8"	0.200
SH110540	1/2"	0.300
SH110740	3/4"	0.400
SH111040	1"	0.500

NUT SOCKET



PART NO.	SIZE	Weight (kg)
SN110800	08	0.300
SN111000	10	0.400
SN111200	12	0.500

NUT PLUG



PART NO.	SIZE	Weight (kg)
PN110800	08	0.080
PN111000	10	0.100
PN111200	12	0.120
PN111400	14	0.150

HOUSE PLUG



PART NO.	SIZE	Weight (kg)
PH110200	1/4"	0.100
PH110300	3/8"	0.120
PH110500	1/2"	0.220
PH110700	3/4"	0.350
PH111000	1"	0.400

FR



FR11

PART NO.	SIZE	PART NO.	SIZE
FR110200	1/4"	FL110200	1/4"
FR110500	1/2"	FL110500	1/2"
FR110700	3/4"	FL110700	3/4"
FR111000	1"	FL111000	1"

FRL



FL11

POLYURETHENE TUBE PT11

MOC: Polyurethane available
in 1000 mtr's



*Colour Code:
00 - Transparent
01 - Blue (Std)
02 - Yellow
03 - Green
04 - Black
05 - Red

PART NO.	Ø D
PT110401*	04
PT110601*	06
PT110801*	08
PT111001*	10
PT111201*	12

RECOIL HOSE RH11

MOC: Polyurethane available
in 1000 mtr's



PART NO.	Ø D
RH110403*	04
RH110603*	06
RH110803*	08
RH111003*	10
RH111203*	12

Available in 2,3,5,6,8 & 10 Mtr's for respective length please add number of meter to the part number. For 5 Mtr's length of 6mm OD add 05 (Ex: RH110605).

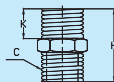
EXPANSION HOSE EH11

Available in 1,2 & 3 mtr's for 1 mtr's
add .1(Ex:EH112505.1)



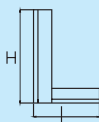
PART NO.	Ø D	SIZE	PART NO.	Ø D	SIZE
EH112505*	25	1/2"	EH114012*	40	1 1/4"
EH112507*	25	3/4"	EH114015*	40	1 1/2"
EH112510*	25	1"	EH115015*	50	1 1/2"
EH113210*	32	1"	EH115020*	50	2"
EH113212*	32	1 1/4"	EH116320*	63	2"
EH114010*	40	1"	EH116325*	63	2 1/2"

HEX NIPPLE HN11



PART NO.	Ø C	K	H	Weight (kg)
HN110500	1/2"	15	36	0.083
HN110700	3/4"	16	38	0.129
HN111000	1"	16	48	0.250
HN111200	1 1/4"	23	58	0.366
HN111500	1 1/2"	24	63	0.776
HN112000	2"	28	81	1

L ANGLE LA11



PART NO.	H	L	Weight (kg)
LA110304	3"	4"	0.300
LA110408	4"	8"	0.500
LA110604	6"	4"	0.400
LA110606	6"	6"	0.550
LA110608	6"	8"	0.600
LA110609	6"	9"	0.700
LA110612	6"	12"	0.900
LA111024	10"	24"	1.200

AIR GUN



PART NO.	Weight (kg)
AG110200	0.153

BUSH WITH O RING GASKET BS13



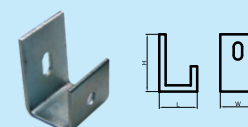
PART NO.	Ø	Weight (kg)
BS132000	20	0.001
BS132500	25	0.002
BS133200	32	0.008
BS134000	40	0.019
BS135000	50	0.026
BS136300	63	0.038

CAP WITH RETAINER RINGS BO13



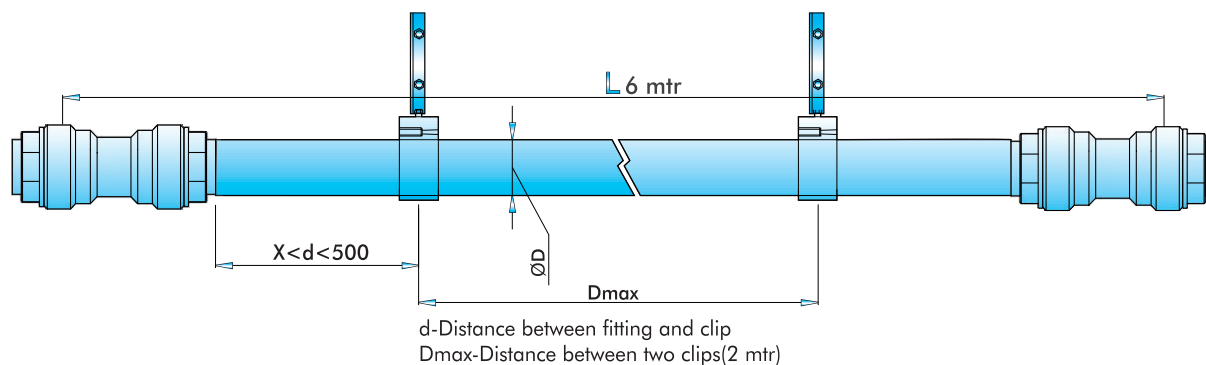
PART NO.	Ø	Weight (kg)
BO132000	20	0.002
BO132500	25	0.004
BO133200	32	0.018
BO134000	40	0.044
BO135000	50	0.056
BO136300	63	0.066

U CLAMP UC11



PART NO.	H	L	W	Weight (kg)
UC110000	57	26	21	0.102

Before Installing Quickair™ system a responsible person should check the area of installation Confirm to regulation designed to prevent the risk of explosion. Quickair™ must be installed either After the receiver or after the dryer. Flexible hose should be fitted at the beginning of the piping system. In order to counter the vibration found in any compressed air piping system. When maintaining or modifying the Quickair™ piping system the work must be undertaken only after the compressed air system has been vented. The installer must use only Quickair™ components and accessories. The installer also ensure that the installation as been properly carried out in-line with the instruction and that it meets all legal requirements.



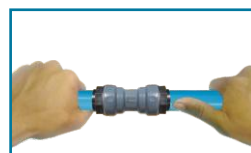
Fixing The Tube



Step 1: Cutting the Tubes



Step 3: Chamfering the Tubes



Step 4: Inserting the tubes Into fitting



Step 5: Inserting the Tubes into fitting

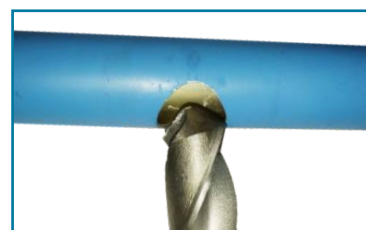
Fixing The Drop



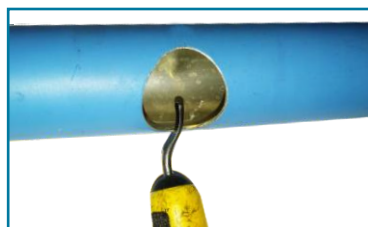
Step 1:
Positioning the Droplet on the tube



Step 2:
Marking the position Of the hole on tube



Step 3:
Drilling the Required Hole on the tube



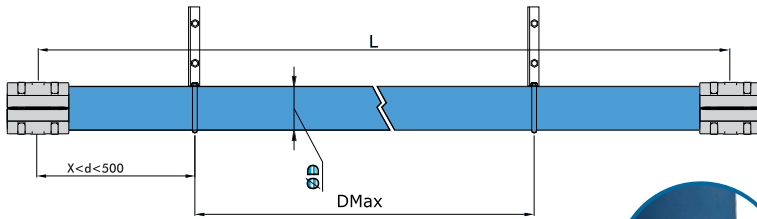
Step 4:
Chamfering the hole



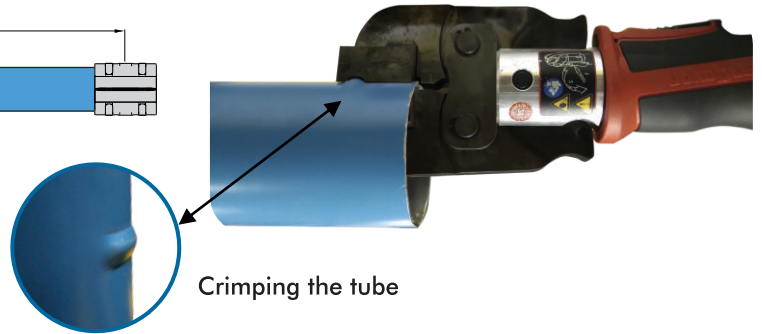
Step 5:
Aligning the Droplet to the hole



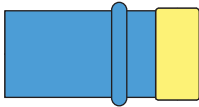
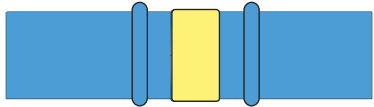
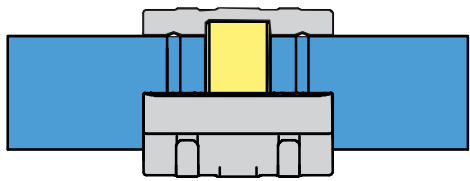
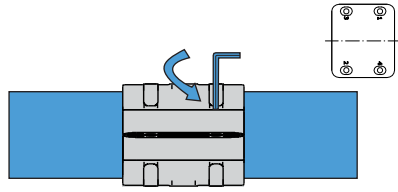
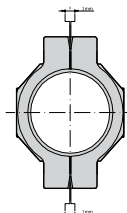
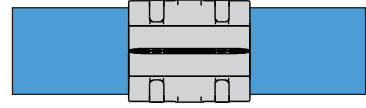
Step 6:
Fixing the Droplet on the tube

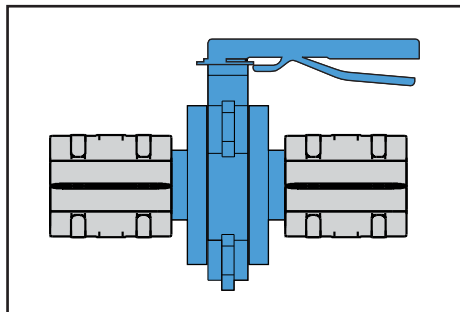


d-Distance between fitting and clip.
ØD- Diameter of the pipe
Dmax-Distance between two clips(1m)



Crimping the tube

 STEP 1: Join the bush with crimped pipe.	 STEP 2: Join another crimped pipe with bush.
 STEP 3: Join the top and bottom clamp with the bush.	 Torque must be greater than 10 Nm STEP 4: Tight the clamp with align bolts and align key.
 STEP 5: While tightening maintain 1mm gap between top and bottom clamp.	 STEP 6: After tightening pass the air and check the leakage with soap water.



Assembly of butterfly valve with clamps

