Quickair™
Modular Piping System
Aluminium | Stainless Steel | Pex

IGE INDUSTRYGENIX ENGINEERING

Industrygenix Engineering

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Redefining Modular Piping

Quickair™

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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

intel, Biocon, IFB, BOSCH, Motherson Sumi Systems Limited, Autoliv, TVS, Anthem BioSciences, EMERSON, ALSTOM, ROYAL ENFIELD, TaeguTec, PRAXAIR and much more...

CONTENT

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.

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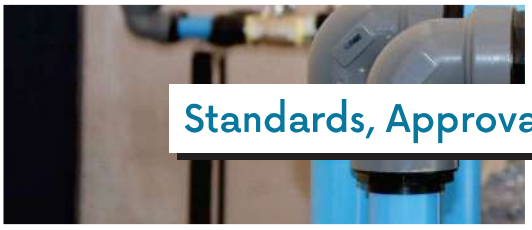
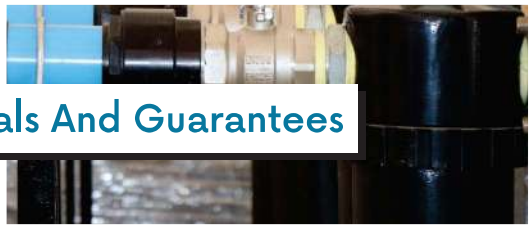
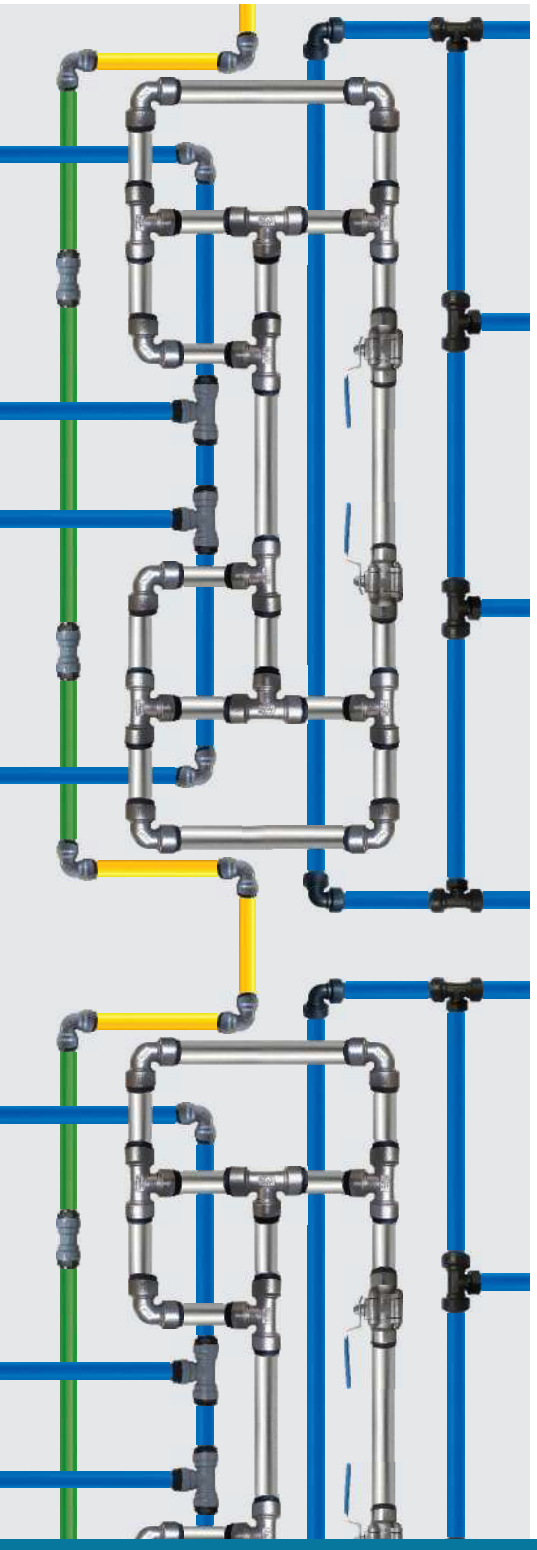



Standards, Approvals And Guarantees



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™ ttings means we are con dent they will give you years of trouble free service. To demonstrate the total con dence we have in our products and our commitment to customer service all Quickair™ ttings 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 ttings are comply with the requirements. ASME B31.1/3 speci cation for the ttings and tubes speci cation 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™ ttings carry the marking of manufacturing batch no. Where pipelines are constructed exclusively using Quickair™ ttings 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 con dence 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 con dent we can provide you with all the connection, control and support your project needs.

CE Conformité Européene
(PED 2014/68/EU)





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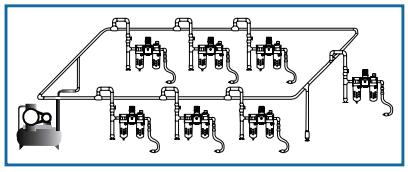
Pre - Installation

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	Nl/ 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)

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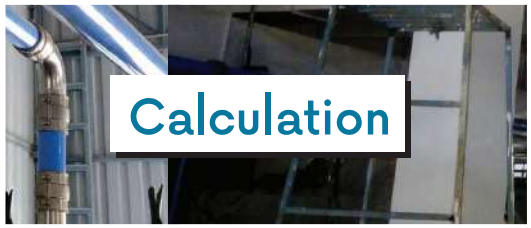



Calculation

Flow Calculator

The Quickair™ ow calculator helps you to choose the most suitable diameter for your installation.

Enter the ow 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 then 5%)

PRESSURE DROP COMPONENTS

Ball Valve	No of Ball Valve
Elbows	No of Elbows
Equal tee	No of Equal tee
Reducers	No of Reducers
	TOTAL =

CALCULATE CLEAR

PRESSURE DROP ON STRAIGHT LINE

Pressure Drop

Pipe Length. L		mtrs
Pipe Dia. D		mm
Free Air Flow Rate		*cfm
Pipeline Pressure		bar
TOTAL =		

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 exible 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.

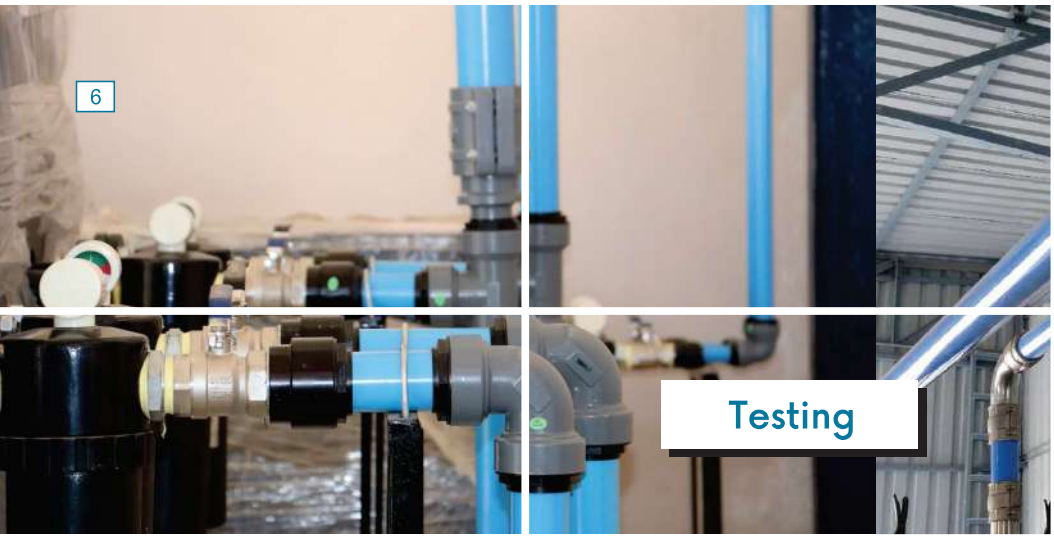
Innovative technology at the heart of Quickair™ enables rapid and easy assembly, quick connection of components to the Aluminium pipes.

Quickair™ OFFERS

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

Profitable And Efficient Alternative

Quickair™ offers a cost effective, innovative and energy ef cient aluminium, Stainless Steel, Pex 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%



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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 nor 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 ½ 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, Stainless Steel, Pex construction has a low friction co-efficient, providing the best possible laminar ow. 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 coated (RAL 5012) other color on request
Surface finish	60 microns

Material of Construction of Fittings

Size	20– 63mm
Body	Aluminium
Cap, Bush	Engineering Plastic
Oring	HNBR/EPDM/VITON (for other option please consult)

Application: Compressed air, nitrogen, Vacuum, Co_2 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)

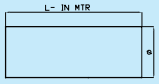
Simply push-fit Concept

Quickair™ AP series fitting is similar to one touch pneumatic push fitting concept. The advantage of this "Push-Fit" concept over other is modular piping systems. As there is nothing to tighten but only to "simply push" the tube inside the fitting. While removing the tube from the fitting just need to push "removing clip" on the tube and press towards the fitting removing clip will disengage the grab-ring and will release the tube from the fitting.

Integral condensate retention design for superior flow without pressure drops.

PIPE
AP24

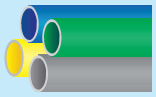
Design Standard : ASME B 31.1/3
Standard Colour : 1) Blue, 2) Yellow, 3) Grey, 4) Green.
Other Colours are optional.

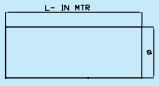


PART NO.	COLORS	SIZE	Thickness (mm)	METER	PN (bar)	Weight
AP24200016	Blue	20mm	1.25	6	20	1.194
AP24250016	Blue	25mm	1.50	6	20	1.794
AP24320016	Blue	32mm	1.60	6	20	2.472
AP24400016	Blue	40mm	2	6	20	3.870
AP24500016	Blue	50mm	2	6	20	4.884
AP24630016	Blue	63mm	2	6	20	6.210

PIPE
AP24

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



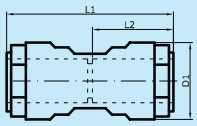


PART NO.	COLORS	SIZE	Thickness (mm)	METER	PN (bar)	Weight
AP24200013	Blue	20mm	1.25	3	20	0.597
AP24250013	Blue	25mm	1.50	3	20	0.897
AP24320013	Blue	32mm	1.60	3	20	1.236
AP24400013	Blue	40mm	2	3	20	1.935
AP24500013	Blue	50mm	2	3	20	2.442
AP24630013	Blue	63mm	2	3	20	3.105

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

PIPE TO PIPE CONNECTOR

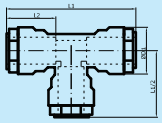
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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

EQUAL TEE

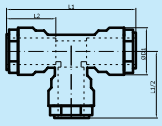
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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

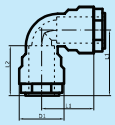
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



PART NO.	SIZE	D1 (mm)	D2 (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

ELBOW

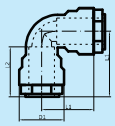
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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

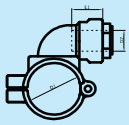
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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 20mm	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

DROPLETS - Tube To Tube

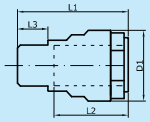
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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	40mm x 25mm	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

MALE CONNECTOR

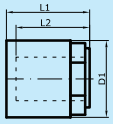
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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

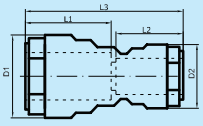
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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

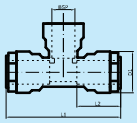
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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 0.5"	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

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 coated (RAL 5012) other color on request
Surface finish	60 microns

Material of Construction of Fittings

Size	20– 76.2mm
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, Co_2 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

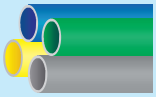
Fittings

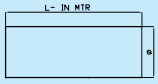
Quickair™ Fittings provides versatility of design and helps to overcome constraints often encountered with structure of industrial buildings

Quick Connections
Full bore design
Interchangeable and reusable
Non- ammable 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.

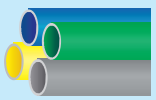


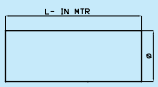


PART NO.	COLORS	SIZE	Thickness (mm)	METER	PN (bar)	Weight
AP24200016	Blue	20mm	1.25	6	20	1.194
AP24250016	Blue	25mm	1.50	6	20	1.794
AP24320016	Blue	32mm	1.60	6	20	2.472
AP24400016	Blue	40mm	2	6	20	3.870
AP24500016	Blue	50mm	2	6	20	4.884
AP24630016	Blue	63mm	2	6	20	6.210
AP24200013	Blue	20mm	1.25	3	20	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.



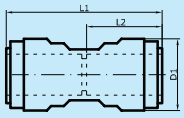


PART NO.	COLORS	SIZE	Ø (mm)	METER	PN (bar)	Weight
AP24760016	Blue	76.2mm	2	6	20	7.58
AP24760013	Blue	76.2mm	2	3	20	3.79
AP243000	Blue	3"	90	6	20	11.100
AP244100	Blue	4"	114.3	6	20	18.000
AP246000	Blue	6"	168.3	6	20	28.800
AP248000	Blue	8"	219.1	6	20	33.060
AP243000	Blue	3"	90	3	20	5.550
AP244100	Blue	4"	114.3	3	20	9.000
AP246000	Blue	6"	168.3	3	20	14.400
AP248000	Blue	8"	219.1	3	20	16.530

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

PIPE TO PIPE CONNECTOR

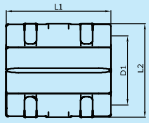
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
PP24200024	20mm	36	88	43	20	0.086
PP24250024	25mm	42	94	45	20	0.093
PP24320024	32mm	55	104	51	20	0.021
PP24400024	40mm	69	136	66	20	0.420
PP24500024	50mm	80	147	72	20	0.525
PP24630024	63mm	95	152	75	20	0.680

PIPE TO PIPE CONNECTOR

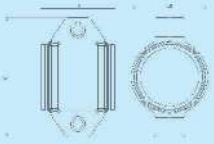
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	L2(mm)	PN (bar)	Weight (kg)
PC247600	76.2mm	76.2	80	99	20	0.613
PC243000	3"	90	130	113	20	1.970
PC244100	4"	114.3	150	137	20	2.320
PC246000	6"	168.3	170	196	20	4.750
PC248000	8"	219.1	200	246	20	10.00

COMPACT COUPLER

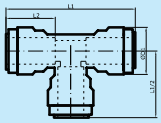
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	L1(mm)	L2(mm)	L3(mm)	PN (bar)	Weight (kg)
PC242001	20MM	60	65	33	20	0.1
PC242501	25MM	72	65	38	20	0.12
PC243201	32MM	87	65	48	20	0.16
PC244001	40MM	95	65	56	20	0.18
PC245001	50MM	105	65	66	20	0.2
PC246301	63MM	118	70	80	20	0.25
PC247601	76MM	148	80	95	20	0.5
PC243001	3"	162	80	109	20	0.52
PC244101	4"	186	90	132	20	0.95
PC246001	6"	192	100	190	20	1.3
PC248001	8″	300	120	250	20	1.8

EQUAL TEE

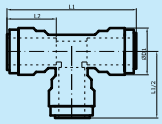
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
ET24200024	20mm	36	110	43	20	0.130
ET24250024	25mm	42	118	45	20	0.165
ET24320024	32mm	55	140	51	20	0.380
ET24400024	40mm	69	178	66	20	0.860
ET24500024	50mm	80	198	72	20	1.008
ET24630024	63mm	95	216	75	20	1.950

REDUCED TEE

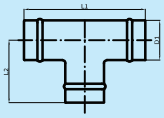
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1 (mm)	L1(mm)	L2 (mm)	PN (bar)	Weight (Kg)
RT24252024	25mm x 20mm	42	128	45	20	0.215
RT24322024	32mm x 20mm	55	150	51	20	0.42
RT24322524	32mm x 25mm	55	150	51	20	0.425
RT24402024	40mm x 20mm	69	188	66	20	0.905
RT24402524	40mm x 25mm	69	188	66	20	0.91
RT24403224	40mm x 32mm	69	188	66	20	0.925
RT24502024	50mm x 20mm	80	208	72	20	1.005
RT24502524	50mm x 25mm	80	208	72	20	1.025
RT24503224	50mm x 32mm	80	208	72	20	1.253
RT24504024	50mm x 40mm	80	208	72	20	1.325
RT24632024	63mm x 20mm	95	226	75	20	1.95
RT24632524	63mm x 25mm	95	226	75	20	2.12
RT24633224	63mm x 32mm	95	226	75	20	2.213
RT24634024	63mm x 40mm	95	226	75	20	2.321
RT24635024	63mm x 50mm	95	226	75	20	2.425

EQUAL TEE

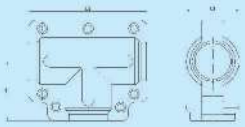
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	L2(mm)	PN (bar)	Weight (kg)
ET247600	76.2mm	76.2	180	90	20	0.731
ET243000	3"	90	280	140	20	1.39
ET244100	4"	114.3	330	165	20	2.16
ET246000	6"	168.3	400	200	20	6.00
ET248000	8"	219.1	500	250	20	10.00

INTIGRATED TEE

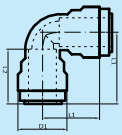
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	L1(mm)	L2(mm)	L3(mm)	PN (bar)	Weight (kg)
IT242000	20MM	106	53	33	20	0.28
IT242500	25MM	108	54	38	20	0.28
IT243200	32MM	128	64	49	20	0.44
IT244000	40MM	138	69	57	20	0.55
IT245000	50MM	148	74	67	20	0.6
IT246300	63MM	168	84	81	20	0.81
IT247600	76MM	196	98	97	20	1.05
IT243000	3"	245	125	113	20	3
IT244100	4"	285	142	173	20	3.7
IT246000	6"	380	190	200	20	6
IT248000	8"	400	210	250	20	7

ELBOW

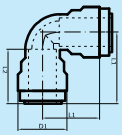
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
EL24200024	20mm	36	110	43	20	0.090
EL24250024	25mm	42	118	45	20	0.113
EL24320024	32mm	55	140	51	20	0.250
EL24400024	40mm	69	89	66	20	0.490
EL24500024	50mm	80	99	72	20	0.634
EL24630024	63mm	95	109	75	20	1.230

REDUCED ELBOW

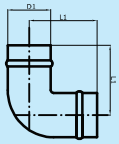
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
RE24252024	25mm x 20mm	42	69	45	20	0.155
RE24322024	32mm x 20mm	55	80	51	20	0.315
RE24322524	32mm x 20mm	55	80	51	20	0.35
RE24402024	40mm x 20mm	69	99	66	20	0.55
RE24402524	40mm x 25mm	69	99	66	20	0.555
RE24403224	40mm x 32mm	69	99	66	20	0.655
RE24502024	50mm x 20mm	80	109	72	20	0.685
RE24502524	50mm x 25mm	80	109	72	20	0.71
RE24503224	50mm x 32mm	80	109	72	20	0.734
RE24504024	50mm x 40mm	80	109	72	20	0.765
RE24632024	63mm x 32mm	95	118	75	20	1.333
RE24632524	63mm x 25mm	95	118	75	20	1.385
RE24633224	63mm x 32mm	95	118	75	20	1.415
RE24634024	63mm x 40mm	95	118	75	20	1.435
RE24635024	63mm x 50mm	95	118	75	20	1.485

ELBOW

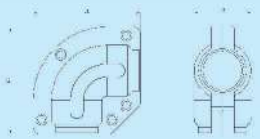
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	PN (bar)	Weight (kg)
EL247600	76.2mm	76.2mm	90	20	0.535
EL243000	3″	90	140	20	0.940
EL244100	4″	114.3	165	20	1.53
EL246000	6″	168.3	200	20	5.00
EL248000	8″	219.1	250	20	9.00

INTIGRATED ELBOW

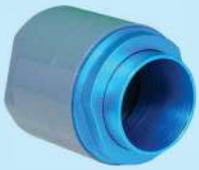
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium

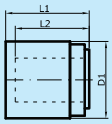


PART NO.	SIZE	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
IE242000	20MM	84	33	20	0.22
IE242500	25MM	87	38	20	0.35
IE243200	32MM	106	48.5	20	0.36
IE244000	40MM	115	57	20	0.45
IE245000	50MM	125	67	20	0.55
IE246300	63MM	142	81	20	0.65
IE247600	76MM	163	97	20	0.85
IE243000	3"	203	113	20	2.5
IE244100	4"	235	173	20	2.7
IE246000	6"	325	200	20	5
IE248000	8"	345	250	20	6

END CAP

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

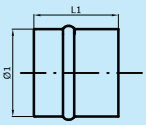




PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
EC24200024	20mm	36	49	43	20	0.072
EC24250024	25mm	42	49	45	20	0.090
EC24320024	32mm	55	55	51	20	0.185
EC24400024	40mm	69	73	66	20	0.395
EC24500024	50mm	80	78	72	20	0.550
EC24630024	63mm	95	81	75	20	0.820

ENDCAP

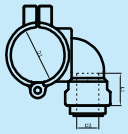
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	PN (bar)	Weight (kg)
EC247600	76.2mm	76.2mm	60	20	0.251
EC243000	3"	90	100	20	1.83
EC244100	4"	114.3	110	20	2.43
EC246000	6"	168.3	130	20	3.2
EC248000	8"	219.1	150	20	4.5

DROPLETS - Tube To Tube

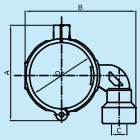
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	PN (bar)	Weight (Kg)
MD24252024	25mm x 20mm	25	20	43	20	0.160
MD24322024	32mm x 20mm	32	20	43	20	0.270
MD24322524	32mm x 25mm	32	25	45	20	0.250
MD24402024	40mm x 20mm	40	20	43	20	0.270
MD24402524	40mm x 25mm	40	25	45	20	0.260
MD24502024	50mm x 20mm	50	20	43	20	0.300
MD24502524	50mm x 25mm	50	25	45	20	0.300
MD24632024	63mm x 20mm	63	20	43	20	0.350
MD24632524	63mm x 25mm	63	25	45	20	0.350

DROP

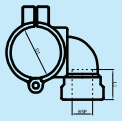
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	A(mm)	B(mm)	C	PN (bar)	Weight (kg)
FD247605	76.2mm X 0.5"	76.2	118	139	1/2 " BSP	20	0.512
FD247607	76.2mm X 0.7"	76.2	118	139	3/4 " BSP	20	0.49
MD247620	76.2mm X 20	76.2	118	139	3/4 " BSP	20	0.451
MD247625	76.2mm X 25	76.2	118	139	3/4 " BSP	20	0.421
FD24300524	3" x 0.5"	90	133	155	1/2" BSP	20	0.500
FD24300724	3" x 0.7"	90	133	155	3/4" BSP	20	0.470
MD24302024	3" x 2"	90	133	155	20MM	20	0.470
MD24302524	3" x 2.5	90	133	155	25MM	20	0.450
FD24410524	4" x 0.5"	114.3	160	182	1/2" BSP	20	0.610
FD24410724	4" x 0.7"	114.3	160	182	3/4" BSP	20	0.580
MD24412024	4" x 2"	114.3	160	182	20MM	20	0.600
MD24412524	4" x 2.5"	114.3	160	182	25MM	20	0.570
FD24600524	6" x 0.5"	168.3	200	240	1/2" BSP	20	1.11
FD24600724	6" x 0.7"	168.3	200	240	3/4" BSP	20	1.05
MD24602024	6" x 2"	168.3	200	240	20MM	20	1.1
MD24602524	6" x 2.5"	168.3	200	240	25MM	20	1.07
FD24800524	8" x 0.5"	219.1	270	300	1/2" BSP	20	1.61
FD24800724	8" x 0.7"	219.1	270	300	3/4" BSP	20	1.51
MD24802024	8" x 2"	219.1	270	300	20MM	20	1.5
MD24802524	8" x 2.5"	219.1	270	300	25MM	20	1.6

DROPLETS- Female Thread

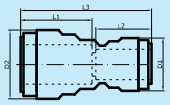
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



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

REDUCER

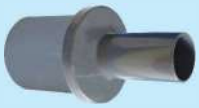
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium

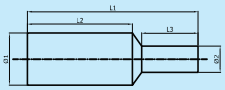


PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	PN (bar)	Weight (kg)
RD24252024	25mm x 20mm	42	36	45	43	92	20	1.145
RD24322024	32mm x 20mm	55	36	51	43	98	20	0.230
RD24322524	32mm x 25mm	55	42	51	45	98	20	0.235
RD24402024	40mm x 20mm	69	36	66	43	114	20	0.37
RD24402524	40mm x 25mm	69	42	66	45	114	20	0.38
RD24403224	40mm x 32mm	69	55	66	51	120	20	0.52
RD24502024	50mm x 20mm	80	36	72	43	120	20	0.420
RD24502524	50mm x 25mm	80	42	72	45	120	20	0.480
RD24503224	50mm x 32mm	80	55	72	51	126	20	0.550
RD24504024	50mm x 40mm	80	69	72	66	142	20	0.850
RD24632024	63mm x 20mm	95	36	75	43	122	20	0.740
RD24632524	63mm x 25mm	95	42	75	45	122	20	0.760
RD24633224	63mm x 32mm	95	55	75	51	128	20	0.840
RD24634024	63mm x 40mm	95	69	75	66	144	20	1.040
RD24635024	63mm x 50mm	95	80	75	72	150	20	1.300

REDUCER

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

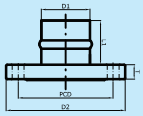




PART NO.	SIZE	D1 (mm)	Ø(mm)	L1(mm)	L2 (mm)	L3 (mm)	PN (bar)	Weight (kg)
RD247640	76.2mm x 40mm	76.2mm	40	135	55	70	20	0.25
RD247650	76.2mm x 50mm	76.2mm	50	145	55	85	20	0.265
RD247663	76.2mm x 63mm	76.2mm	63	161	55	96	20	0.275
RD243040	3" x 40mm	90	40	175	95	70	20	0.529
RD243050	3" x 50mm	90	50	190	95	85	20	0.576
RD243063	3" x 63mm	90	63	201	95	96	20	0.63
RD244140	4" x 40mm	114.3	40	195	115	70	20	0.797
RD244150	4" x 50mm	114.3	50	210	115	85	20	0.844
RD244163	4" x 63mm	114.3	63	215	115	90	20	0.884
RD244130	4" x 3"	114.3	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	114.3	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	114.3	280	155	115	20	2.453
RD248060	8" x 6"	219.1	168.3	310	155	145	20	2.707

FLANGED END

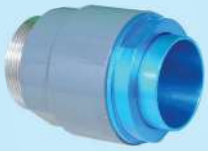
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium

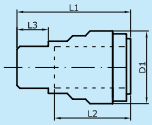


PART NO.	SIZE	D1(mm)	L1(mm)	T(mm)	PCD (mm)	Ø(mm)	PN (bar)	Weight (kg)
FL247600	76.2mm	76.2	55	20.7	139.7	180	20	1.5
FE243000	3"	90	95	23.8	152.4	190.5	20	1.820
FE244100	4"	114.3	115	23.8	190.5	228.6	20	2.43
FE246000	6"	168.3	145	25.4	241.3	279.4	20	2.9
FE248000	8"	219.1	155	28.4	298.4	342.9	20	4.00

MALE CONNECTOR

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

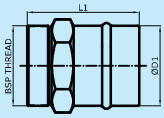




PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	BSP	Weight (Kg)
MC24200524	20mm x 0.5"	36	62	43	14	½	0.070
MC24200724	20mm x 0.7"	36	64	43	16	3/4	0.070
MC24250524	25mm x 0.5"	42	62	45	14	½	0.080
MC24250724	25mm x 0.7"	42	65	45	16	3/4	0.090
MC24251024	25mm x 1"	42	65	45	16	1	0.100
MC24321024	32mm x 1"	55	69	51	16	1	0.165
MC24321224	32mm x 1.2"	55	70	51	16.5	1 1/4	0.195
MC24401024	40mm x 1"	69	88	66	16	1	0.365
MC24401524	40mm x 1.5"	69	88	66	18	1 ½	0.365
MC24501524	50mm x 1.5"	80	95	72	18	1 ½	0.450
MC24502024	50mm x 2"	80	95	72	18	2	0.460
MC24632024	63mm x 2"	95	97	75	18	2	0.780
MC24632524	63mm x 2.5"	95	98	75	19	2 ½	0.840

MALE CONNECTOR

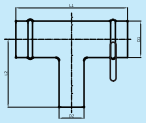
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Aluminium



PART NO.	SIZE	D1(mm)	L1(mm)	BSP	PN (bar)	Weight (kg)
MC247625	76.2mm X 2.5"	76.2	100	2 ½"	20	0.614
MC247630	76.2mm X 3"	76.2	105	3 "	20	0.751
MC243025	3" x 2.5"	90	119	2 ½"	20	0.670
MC243030	3" x 3"	90	123	3"	20	0.710

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)
RT247640	76.2mm x 40mm	180	108	76.2	40	20	0.31
RT247650	76.2mm x 50mm	180	123	76.2	50	20	0.325
RT247663	76.2mm x 63mm	180	134	76.2	63	20	0.346
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	114.3	40	20	1.05
RT244150	4" x 50mm	330	135	114.3	50	20	1.06
RT244163	4" x 63mm	330	155	114.3	63	20	1.12
RT244130	4" x 3"	330	165	114.3	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	114.3	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	114.3	20	3.92
RT248060	8" x 6"	500	225	219.1	168.3	20	4.1

Technical Specification Quickair™ Piping System

Application	Compressed air, Vacuum, Nitrogen, Argon, CO2/oxygen ect., (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 Construction of Stainless Steel pipe

Alloy	ASTM - A269 - TP304 / TP316
Tolerance	BS/EN 10297-2 L - ≤ 6000 + 5^{mm}-0

Material of Construction of Fittings

Size	20– 63mm
Body	CF8 / CF8 M
Caps	Engineering Plastic
Oring	HNBR/EPDM / Viton
Body	CF8 / CF8M
Oring	HNBR/EPDM / Viton

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 80°c (option upto 200°c)

Application:

Compressed air, nitrogen, Vacuum, Co_2
for any other application Please contact.

Note: All products are 100% Tested

Simply push-fit Concept

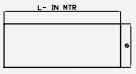
Quickair™ SP series fitting is similar to one touch pneumatic gas push fitting concept. The advantage of this "Push-Fit" concept over other is modular piping systems. As there is nothing to tighten but only "simply push" the tube inside the fitting

While removing the tube from the fitting just need to push "removing clip" on the tube and press towards the fitting removing clip will disengage the grab-ring and will release the tube from the fitting.

Integral condensate retention design for superior flow without pressure drops.

PIPE

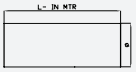
Design Standard: ASME B 31.1/3
XX:- SS304:-02, SS316:-03



PART NO.	SIZE	METER	PN (bar)
SPXX2000	20mm	6	20
SPXX2500	25mm	6	20
SPXX3200	32mm	6	20
SPXX4000	40mm	6	20
SPXX5000	50mm	6	20
SPXX6300	63mm	6	20

PIPE

Design Standard: ASME B 31.1/3
XX:- SS304:-02, SS316:-03

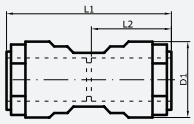


PART NO.	SIZE	METER	PN (bar)
SPXX2000	20mm	3	20
SPXX2500	25mm	3	20
SPXX3200	32mm	3	20
SPXX4000	40mm	3	20
SPXX5000	50mm	3	20
SPXX6300	63mm	3	20

For example: SS304 Tube will be SP022500 & SS316 will be SP032500

PIPE TO PIPE CONNECTOR

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

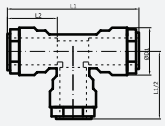


PART NO.	SIZE	D1	L1	L2	PN (bar)	Weight (Kg)
PPXX2000	20mm	36	88	43	20	0.171
PPXX2500	25mm	42	94	45	20	0.215
PPXX3200	32mm	55	104	51	20	0.425
PPXX4000	40mm	69	136	66	20	1.022
PPXX5000	50mm	80	147	72	20	1.292
PPXX6300	63mm	95	152	75	20	1.608

For example: SS304 Pipe to Pipe Connector will be PP022500 & SS316 will be PP032500

EQUAL TEE

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

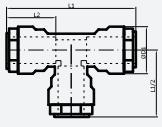


PART NO.	SIZE	D1	L1	L2	PN (bar)	Weight (Kg)
ETXX2000	20mm	36	110	43	20	0.304
ETXX2500	25mm	42	118	45	20	0.391
ETXX3200	32mm	55	140	51	20	0.768
ETXX4000	40mm	69	178	66	20	1.765
ETXX5000	50mm	80	198	72	20	2.270
ETXX6300	63mm	95	216	75	20	2.940

For example: SS304 Equal Tee will be ET022500 & SS316 will be ET032500

REDUCED TEE

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

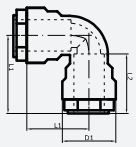


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
RTXX2520	25mm x 20mm	42	128	45	20	0.215
RTXX3220	32mm x 20mm	55	150	51	20	0.42
RTXX3225	32mm x 25mm	55	150	51	20	0.425
RTXX4020	40mm x 20mm	69	188	66	20	0.905
RTXX4025	40mm x 25mm	69	188	66	20	0.91
RTXX4032	40mm x 32mm	69	188	66	20	0.925
RTXX5020	50mm x 20mm	80	208	72	20	1.005
RTXX5025	50mm x 25mm	80	208	72	20	1.025
RTXX5032	50mm x 32mm	80	208	72	20	1.253
RTXX5040	50mm x 40mm	80	208	72	20	1.325
RTXX6320	63mm x 20mm	95	226	75	20	1.95
RTXX6325	63mm x 25mm	95	226	75	20	2.12
RTXX6332	63mm x 32mm	95	226	75	20	2.213
RTXX6340	63mm x 40mm	95	226	75	20	2.321
RTXX6350	63mm x 50mm	95	226	75	20	2.425

For example: SS304 Reduced Tee will be RT022520 & SS316 will be RT032520

ELBOW

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

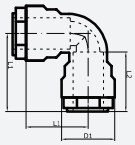


PART NO.	SIZE	D1	L1	L2	PN (bar)	Weight (Kg)
ELXX2000	20mm	36	110	43	20	0.214
ELXX2500	25mm	42	118	45	20	0.278
ELXX3200	32mm	55	140	51	20	0.541
ELXX4000	40mm	69	89	66	20	1.240
ELXX5000	50mm	80	99	72	20	1.602
ELXX6300	63mm	95	109	75	20	2.102

For example: SS304 Elbow will be EL022500 & SS316 will be EL032500

REDUCED ELBOW

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

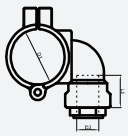


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
REXX2520	25mm x 20mm	42	69	45	20	0.155
REXX3220	32mm x 20mm	55	80	51	20	0.315
REXX3225	32mm x 20mm	55	80	51	20	0.35
REXX4020	40mm x 20mm	69	99	66	20	0.55
REXX4025	40mm x 25mm	69	99	66	20	0.555
REXX4032	40mm x 32mm	69	99	66	20	0.655
REXX5020	50mm x 20mm	80	109	72	20	0.685
REXX5025	50mm x 25mm	80	109	72	20	0.71
REXX5032	50mm x 32mm	80	109	72	20	0.734
REXX5040	50mm x 40mm	80	109	72	20	0.765
REXX6320	63mm x 32mm	95	118	75	20	1.333
REXX6325	63mm x 25mm	95	118	75	20	1.385
REXX6332	63mm x 32mm	95	118	75	20	1.415
REXX6340	63mm x 40mm	95	118	75	20	1.435
REXX6350	63mm x 50mm	95	118	75	20	1.485

For example: SS304 Reduced Elbow will be RE022520 & SS316 will be RE032520

DROPLETS - Tube To Tube

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

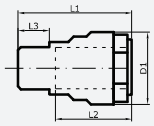


PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	PN (bar)	Weight (Kg)
MDXX2520	25mm x 20mm	25	20	43	20	0.397
MDXX3220	23mm x 20mm	32	20	43	20	0.721
MDXX3225	32mm x 25mm	32	25	45	20	0.663
MDXX4020	40mm x 20mm	40	20	43	20	0.798
MDXX4025	50mm x 20mm	40	25	45	20	0.740
MDXX5020	50mm x 20mm	50	20	43	20	0.850
MDXX5025	50mm x 25mm	50	25	45	20	0.791
MDXX6320	63mm x 20mm	63	20	43	20	0.957
MDXX6325	63mm x 25mm	63	25	45	20	0.898

For example: SS304 Droplets will be MD022520 & SS316 will be MD032520

MALE CONNECTOR

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

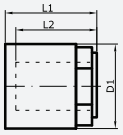


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	BSP	Weight (Kg)
MCXX2005	20mm x 0.5"	36	62	43	14	½	0.154
MCXX2007	20mm x 0.7"	36	64	43	16	3/4	0.165
MCXX2505	25mm x 0.5"	42	62	45	14	½	0.174
MCXX2507	25mm x 0.7"	42	65	45	16	3/4	0.195
MCXX2510	25mm x 1"	42	65	45	16	1	0.228
MCXX3210	32mm x 1"	55	69	51	16	1	0.359
MCXX3212	32mm x 1.2"	55	70	51	16.5	1 1/4	0.459
MCXX4010	40mm x 1"	69	88	66	16	1	0.791
MCXX4015	40mm x 1.5"	69	88	66	18	1 ½	0.795
MCXX5015	50mm x 1.5"	80	95	72	18	1 ½	0.998
MCXX5020	50mm x 2"	80	95	72	18	2	1.021
MCXX6320	63mm x 2"	95	97	75	18	2	1.463
MCXX6325	63mm x 2.5"	95	98	75	19	2 ½	1.647

For example: SS304 Male Conector will be MC022005 & SS316 will be MC032005

END CAP

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

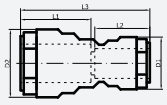


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
ECXX2000	20mm	36	49	43	20	0.167
ECXX2500	25mm	42	49	45	20	0.206
ECXX3200	32mm	55	55	51	20	0.432
ECXX4000	40mm	69	73	66	20	0.974
ECXX5000	50mm	80	78	72	20	1.301
ECXX6300	63mm	95	81	75	20	1.606

For example: SS304 End Cap will be EC022500 & SS316 will be EC032500

REDUCER

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

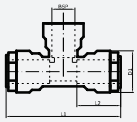


PART NO.	SIZE	D1	D2	L1	L2	L3	PN (bar)	Weight (kg)
RDXX2520	25mm x 20mm	42	36	45	43	92	20	0.340
RDXX3220	32mm x 20mm	55	36	51	43	98	20	0.504
RDXX3225	32mm x 25mm	55	42	51	45	98	20	0.530
RDXX4020	40mm x 20mm	69	36	66	43	114	20	0.820
RDXX4025	40mm x 25mm	69	42	66	45	114	20	0.838
RDXX4032	40mm x 32mm	69	55	66	51	120	20	1.105
RDXX5020	50mm x 20mm	80	36	72	43	120	20	1.049
RDXX5025	50mm x 25mm	80	42	72	45	120	20	1.051
RDXX5032	50mm x 32mm	80	55	72	51	126	20	1.171
RDXX5040	50mm x 40mm	80	69	72	66	142	20	1.936
RDXX6320	63mm x 20mm	95	36	75	43	122	20	1.338
RDXX6325	63mm x 25mm	95	42	75	45	122	20	1.362
RDXX6332	63mm x 32mm	95	55	75	51	128	20	1.570
RDXX6340	63mm x 40mm	95	69	75	66	144	20	2.007
RDXX6350	63mm x 50mm	95	80	75	72	150	20	2.710

For example: SS304 Reducer will be RD022520 & SS316 will be RD032520

FEMALE THREAD TEE

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3



PART NO.	SIZE	D1(mm)	L1(mm)	L2(mm)	BSP	PN (bar)	Weight (kg)
FTXX2005	20mm x 0.5"	36	110	43	0.5"	20	0.15
FTXX2007	20mm x 0.7"	36	110	43	0.7"	20	0.175
FTXX2505	25mm x 0.5"	42	118	45	0.5"	20	0.216
FTXX2507	25mm x 0.5"	42	118	45	0.5"	20	0.195
FTXX2510	25mm x 1"	42	118	45	1"	20	0.18
FTXX3205	32mm x 0.5"	55	140	51	0.5"	20	0.415
FTXX3207	32mm x 0.7"	55	140	51	0.7"	20	0.395
FTXX3210	32mm x 1"	55	140	51	1"	20	0.385
FTXX4005	40mm x 0.5"	69	178	66	0.5"	20	0.86
FTXX4007	40mm x 0.7"	69	178	66	0.7"	20	0.85
FTXX4010	40mm x 1"	69	178	66	1"	20	0.83
FTXX5005	50mm x 0.5"	80	198	72	0.5"	20	1.125
FTXX5007	50mm x 0.7"	80	198	72	0.7"	20	1.001
FTXX5010	50mm x 1"	80	198	72	1"	20	0.95
FTXX6305	63mm x 0.5"	95	216	75	0.5"	20	1.985
FTXX6307	63mm x 0.7"	95	216	75	0.7"	20	1.852
FTXX6310	63mm x 1"	95	216	75	1"	20	1.75

For example: SS304 Female Thread Tee will be FT022005 & SS316 will be FT032005

Technical Specification Quickair™ Piping System

Application	Compressed air, Vacuum, Nitrogen, Argon, CO2/oxygen ect., (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 Construction of Stainless Steel pipe

Alloy	ASTM - A269 - TP304 / TP316
Tolerance	BS\EN 10297-2 L - ≤ 6000 + 5^{mm}-0

Material of Construction of Fittings

Size	20– 63mm
Body	CF8 / CF8 M
Caps	SS304 / 316
Oring	HNBR/EPDM / Viton
Size	3 - 8 inches
Body	CF8 / CF8M
Oring	HNBR/EPDM / Viton

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 80°c (option upto 200°c)

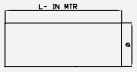
Application:

Compressed air, nitrogen, Vacuum, Co_2
for any other application Please contact.

Note: All products are 100% Tested

PIPE

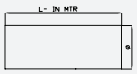
Design Standard: ASME B 31.1/3
XX:- SS304:-02, SS316:-03



PART NO.	SIZE	METER	PN (bar)
SPXX2000	20mm	6	20
SPXX2500	25mm	6	20
SPXX3200	32mm	6	20
SPXX4000	40mm	6	20
SPXX5000	50mm	6	20
SPXX6300	63mm	6	20
SPXX2000	20mm	3	20
SPXX2500	25mm	3	20
SPXX3200	32mm	3	20
SPXX4000	40mm	3	20
SPXX5000	50mm	3	20
SPXX6300	63mm	3	20

PIPE

Design Standard: ASME B 31.1/3
XX:- SS304:-02, SS316:-03

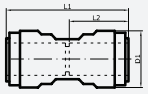


PART NO.	SIZE	METER	PN (bar)
SPXX3000	3"	6	20
SPXX4100	4"	6	20
SPXX6000	6"	6	20
SPXX8000	8"	6	20
SPXX3000	3"	3	20
SPXX4100	4"	3	20
SPXX6000	6"	3	20
SPXX8000	8"	3	20

For example: SS304 Tube will be SP022500 & SS316 will be SP032500

PIPE TO PIPE CONNECTOR

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

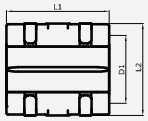


PART NO.	SIZE	D1	L1	L2	PN (bar)	Weight (Kg)
PPXX2000XX	20mm	36	88	43	20	0.171
PPXX2500XX	25mm	42	94	45	20	0.215
PPXX3200XX	32mm	55	104	51	20	0.425
PPXX4000XX	40mm	69	136	66	20	1.022
PPXX5000XX	50mm	80	147	72	20	1.292
PPXX6300XX	63mm	95	152	75	20	1.608

For example: SS304 Pipe to Pipe Connector will be PP022500XX & SS316 will be PP032500XX

PIPE TO PIPE CONNECTOR

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

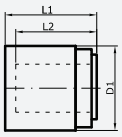


PART NO.	SIZE	D1	L1	L2	PN (bar)	Weight (kg)
PCXX3000	3″	90	130	113	20	5.000
PCXX4100	4″	114.3	150	137	20	6.000
PCXX6000	6″	168.3	170	196	20	12.000
PCXX8000	8″	219.1	200	246	20	26.000

For example: SS304 Pipe to Pipe Connector will be PC024100 & SS316 will be PC034100

END CAP

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

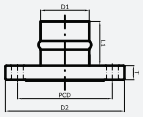


PART NO.	SIZE (mm)	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
ECXX2000XX	20mm	36	49	43	20	0.167
ECXX2500XX	25mm	42	49	45	20	0.206
ECXX3200XX	32mm	55	55	51	20	0.432
ECXX4000XX	40mm	69	73	66	20	0.974
ECXX5000XX	50mm	80	78	72	20	1.301
ECXX6300XX	63mm	95	81	75	20	1.606

For example: SS304 End Cap will be EC022500XX & SS316 will be EC032500XX

FLANGED END

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

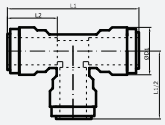


PART NO.	SIZE	D1	L1	T	PCD	Ø	PN (bar	Weight (kg)
FEXX3000	3″	90	95	23.8	152.4	190.5	20	5.00
FEXX4100	4″	114.3	115	23.8	190.5	228.6	20	7.00
FEXX6000	6″	168.3	145	25.4	241.3	279.4	20	10.000
FEXX8000	8″	219.1	155	28.4	298.4	342.9	20	15.000

For example: SS304 Flanged End will be FE024100 & SS316 will be FE034100

EQUAL TEE

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

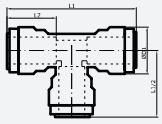


PART NO.	SIZE	D1	L1	L2	PN (bar)	Weight (Kg)
ETXX2000XX	20mm	36	110	43	20	0.304
ETXX2500XX	25mm	42	118	45	20	0.391
ETXX3200XX	32mm	55	140	51	20	0.768
ETXX4000XX	40mm	69	178	66	20	1.765
ETXX5000XX	50mm	80	198	72	20	2.270
ETXX6300XX	63mm	95	216	75	20	2.940

For example: SS304 Equal Tee will be ET022500XX & SS316 will be ET032500XX

REDUCED TEE

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

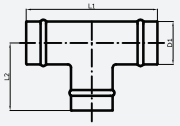


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
RTXX2520XX	25mm x 20mm	42	128	45	20	0.215
RTXX3220XX	32mm x 20mm	55	150	51	20	0.42
RTXX3225XX	32mm x 25mm	55	150	51	20	0.425
RTXX4020XX	40mm x 20mm	69	188	66	20	0.905
RTXX4025XX	40mm x 25mm	69	188	66	20	0.91
RTXX4032XX	40mm x 32mm	69	188	66	20	0.925
RTXX5020XX	50mm x 20mm	80	208	72	20	1.005
RTXX5025XX	50mm x 25mm	80	208	72	20	1.025
RTXX5032XX	50mm x 32mm	80	208	72	20	1.253
RTXX5040XX	50mm x 40mm	80	208	72	20	1.325
RTXX6320XX	63mm x 20mm	95	226	75	20	1.95
RTXX6325XX	63mm x 25mm	95	226	75	20	2.12
RTXX6332XX	63mm x 32mm	95	226	75	20	2.213
RTXX6340XX	63mm x 40mm	95	226	75	20	2.321
RTXX6350XX	63mm x 50mm	95	226	75	20	2.425

For example: SS304 Reduced Tee will be RT022520XX & SS316 will be RT032520XX

EQUAL TEE

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

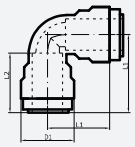


PART NO.	SIZE	D1	L1	L2	PN (bar)	Weight (kg)
ETXX3000	3″	90	280	140	20	4.420
ETXX4100	4″	114.3	330	165	20	6.123
ETXX6000	6″	168.3	400	200	20	18.000
ETXX8000	8″	219.1	500	250	20	26.000

For example: SS304 Equal Tee will be ET024100 & SS316 will be ET034100

ELBOW

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

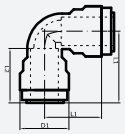


PART NO.	SIZE	D1	L1	L2	PN (bar)	Weight (Kg)
ELXX2000XX	20mm	36	110	43	20	0.214
ELXX2500XX	25mm	42	118	45	20	0.278
ELXX3200XX	32mm	55	140	51	20	0.541
ELXX4000XX	40mm	69	89	66	20	1.240
ELXX5000XX	50mm	80	99	72	20	1.602
ELXX6300XX	63mm	95	109	75	20	2.102

For example: SS304 Elbow will be EL022500 & SS316 will be EL032500

REDUCED ELBOW

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

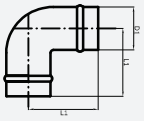


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight (Kg)
REXX2520XX	25mm x 20mm	42	69	45	20	0.155
REXX3220XX	32mm x 20mm	55	80	51	20	0.315
REXX3225XX	32mm x 20mm	55	80	51	20	0.35
REXX4020XX	40mm x 20mm	69	99	66	20	0.55
REXX4025XX	40mm x 25mm	69	99	66	20	0.555
REXX4032XX	40mm x 32mm	69	99	66	20	0.655
REXX5020XX	50mm x 20mm	80	109	72	20	0.685
REXX5025XX	50mm x 25mm	80	109	72	20	0.71
REXX5032XX	50mm x 32mm	80	109	72	20	0.734
REXX5040XX	50mm x 40mm	80	109	72	20	0.765
REXX6320XX	63mm x 32mm	95	118	75	20	1.333
REXX6325XX	63mm x 25mm	95	118	75	20	1.385
REXX6332XX	63mm x 32mm	95	118	75	20	1.415
REXX6340XX	63mm x 40mm	95	118	75	20	1.435
RE246350XX	63mm x 50mm	95	118	75	20	1.485

For example: SS304 Reduced Elbow will be RE022520XX & SS316 will be RE032520XX

ELBOW

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

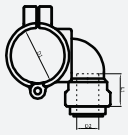


PART NO.	SIZE	D1	L1	PN (bar)	Weight (kg)
ELXX3000	3″	90	140	20	1.075
ELXX4100	4″	114.3	165	20	1.500
ELXX6000	6″	168.3	200	20	5.000
ELXX8000	8″	219.1	250	20	9.000

For example: SS304 Elbow will be EL024100 & SS316 will be EL034100

DROPLETS - Tube To Tube

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

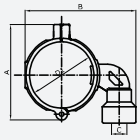


PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	PN (bar)	Weight (Kg)
MDXX2520XX	25mm x 20mm	25	20	43	20	0.397
MDXX3220XX	32mm x 20mm	32	20	43	20	0.721
MDXX3225XX	32mm x 25mm	32	25	45	20	0.663
MDXX4020XX	40mm x 20mm	40	20	43	20	0.798
MDXX4025XX	50mm x 20mm	40	25	45	20	0.740
MDXX5020XX	50mm x 20mm	50	20	43	20	0.850
MDXX5025XX	50mm x 25mm	50	25	45	20	0.791
MDXX6320XX	63mm x 20mm	63	20	43	20	0.957
MDXX6325XX	63mm x 25mm	63	25	45	20	0.898

For example: SS304 Droplets will be MD022520XX & SS316 will be MD032520XX

DROP

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

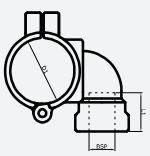


PART NO.	SIZE	D1(mm)	A(mm)	B(mm)	C	PN (bar)	Weight (kg)
FDXX3005	3" x 0.5"	90	133	155	1/2" BSP	20	1.371
FDXX3007	3" x 0.7"	90	133	155	3/4" BSP	20	1.318
MDXX3020	3" x 2"	90	133	155	20MM	20	1.320
MDXX3025	3" x 2.5"	90	133	155	25MM	20	1.264
FDXX4105	4" x 0.5"	114.3	160	182	1/2" BSP	20	1.732
FDXX4107	4" x 0.7"	114.3	160	182	3/4" BSP	20	1.625
MDXX4120	4" x 2"	114.3	160	182	20MM	20	1.631
MDXX4125	4" x 2.5"	114.3	160	182	25MM	20	1.573
FDXX6005	6" x 0.5"	168.3	200	240	1/2" BSP	20	2.318
FDXX6007	6" x 0.7"	168.3	200	240	3/4" BSP	20	2.268
MDXX6020	6" x 2"	168.3	200	240	20MM	20	2.228
MDXX6025	6" x 2.5"	168.3	200	240	25MM	20	2.133
FDXX8005	8" x 0.5"	219.1	270	300	1/2" BSP	20	2.941
FDXX8007	8" x 0.7"	219.1	270	300	3/4" BSP	20	2.889
MDXX8020	8" x 2"	219.1	270	300	20MM	20	2.849
MDXX8025	8" x 2.5"	219.1	270	300	25MM	20	2.754

For example: SS304 Drop will be MD022520XX & SS316 will be MD032520XX

DROPLETS- Female Thread

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

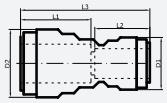


PART NO.	SIZE	D1(mm)	BSP	L1(mm)	PN (bar)	Weight (kg)
FDXX2005	25mm x 0.5"	36	1/2	14	20	0.448
FDXX3205	32mm x 0.5"	55	1/2	14	20	0.772
FDXX4005	40mm x 0.5"	69	1/2	14	20	0.850
FDXX5005	50mm x 0.5"	80	1/2	14	20	0.900
FDXX6305	63mm x 0.5"	95	1/2	14	20	1.007

For example: SS304 Droplets will be FD022005 & SS316 will be FD032005

REDUCER

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

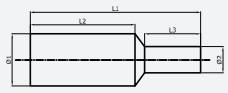


PART NO.	SIZE	D1	D2	L1	L2	L3	PN (bar)	Weight (kg)
RDXX2520XX	25mm x 20mm	42	36	45	43	92	20	0.340
RDXX3220XX	32mm x 20mm	55	36	51	43	98	20	0.504
RDXX3225XX	32mm x 25mm	55	42	51	45	98	20	0.530
RDXX4020XX	40mm x 20mm	69	36	66	43	114	20	0.820
RDXX4025XX	40mm x 25mm	69	42	66	45	114	20	0.838
RDXX4032XX	40mm x 32mm	69	55	66	51	120	20	1.105
RDXX5020XX	50mm x 20mm	80	36	72	43	120	20	1.049
RDXX5025XX	50mm x 25mm	80	42	72	45	120	20	1.051
RDXX5032XX	50mm x 32mm	80	55	72	51	126	20	1.171
RDXX5040XX	50mm x 40mm	80	69	72	66	142	20	1.936
RDXX6320XX	63mm x 20mm	95	36	75	43	122	20	1.338
RDXX6325XX	63mm x 25mm	95	42	75	45	122	20	1.362
RDXX6332XX	63mm x 32mm	95	55	75	51	128	20	1.570
RDXX6340XX	63mm x 40mm	95	69	75	66	144	20	2.007
RDXX6350XX	63mm x 50mm	95	80	75	72	150	20	2.710

For example: SS304 Reducer will be RD022020 & SS316 will be RD032020

REDUCER

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

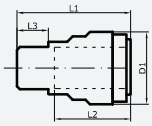


PART NO.	SIZE	D1 (mm)	Ø2(mm)	L1(mm)	L2 (mm)	L3 (mm)	PN (bar)	Weight (kg)
RDXX3040	3" x 40mm	90	40	175	95	70	20	2.000
RDXX3050	3" x 50mm	90	50	190	95	85	20	2.124
RDXX3063	3" x 63mm	90	63	201	95	96	20	2.197
RDXX4140	4" x 40mm	114.3	40	195	115	70	20	3.034
RDXX4150	4" x 50mm	114.3	50	210	115	85	20	3.071
RDXX4163	4" x 63mm	114.3	63	215	115	90	20	3.229
RDXX4130	4" x 3"	114.3	90	220	115	95	20	3.445
RDXX6040	6" x 40mm	168.3	40	225	145	70	20	6.267
RDXX6050	6" x 50mm	168.3	50	240	145	85	20	6.176
RDXX6063	6" x 63mm	168.3	63	245	145	90	20	6.779
RDXX6030	6" x 3"	168.3	90	250	145	95	20	6.623
RDXX6041	6" x 4"	168.3	114.3	270	145	115	20	6.868
RDXX8040	8" x 40mm	219.1	40	235	155	70	20	10.777
RDXX8050	8" x 50mm	219.1	50	250	155	85	20	10.809
RDXX8063	8" x 63mm	219.1	63	255	155	90	20	10.955
RDXX8030	8" x 3"	219.1	90	260	155	95	20	11.119
RDXX8041	8" x 4"	219.1	114.3	280	155	115	20	11.340
RDXX8060	8" x 6"	219.1	168.3	310	155	145	20	9.414

For example: SS304 Reducer will be RD023040 & SS316 will be RD033040

MALE CONNECTOR

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

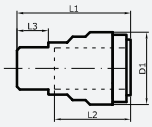


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	BSP	Weight (Kg)
MCXX2005XX	20mm x 0.5"	36	62	43	14	½	0.154
MCXX2007XX	20mm x 0.7"	36	64	43	16	3/4	0.165
MCXX2505XX	25mm x 0.5"	42	62	45	14	½	0.174
MCXX2507XX	25mm x 0.7"	42	65	45	16	3/4	0.195
MCXX2510XX	25mm x 1"	42	65	45	16	1	0.228
MCXX3210XX	32mm x 1"	55	69	51	16	1	0.359
MCXX3212XX	32mm x 1.2"	55	70	51	16.5	1 1/4	0.459
MCXX4010XX	40mm x 1"	69	88	66	16	1	0.791
MCXX4015XX	40mm x 1.5"	69	88	66	18	1 ½	0.795
MCXX5015XX	50mm x 1.5"	80	95	72	18	1 ½	0.998
MCXX5020XX	50mm x 2"	80	95	72	18	2	1.021
MCXX6320XX	63mm x 2"	95	97	75	18	2	1.463
MCXX6325XX	63mm x 2.5"	95	98	75	19	2 ½	1.647

For example: SS304 Male Conector will be MC022005XX & SS316 will be MC032005XX

MALE CONNECTOR

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3

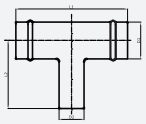


PART NO.	SIZE	D1	L1	BSP	PN (bar)	Weight (kg)
MCXX3025	3" x 2.5"	90	118	2 1/2"	20	2.175
MCXX3030	3" x 3"	90	123	3"	20	2.315

For example: SS304 Male Conector will be MC023025 & SS316 will be MC033025

REDUCING TEE

XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3



PART NO.	SIZE	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	PN (bar)	Weight (kg)
RTXX3040	3" x 40mm	280	110	90	40	20	1.538
RTXX3050	3" x 50mm	280	135	90	50	20	1.668
RTXX3063	3" x 63mm	280	135	90	63	20	1.779
RTXX4140	4" x 40mm	330	135	114.3	40	20	2.228
RTXX4150	4" x 50mm	330	135	114.3	50	20	2.359
RTXX4163	4" x 63mm	330	155	114.3	63	20	2.469
RTXX4130	4" x 3"	330	165	114.3	90	20	2.173
RTXX6040	6" x 40mm	400	155	168.3	40	20	3.469
RTXX6050	6" x 50mm	400	175	168.3	50	20	3.779
RTXX6063	6" x 63mm	400	175	168.3	63	20	3.889
RTXX6030	6" x 3"	400	185	168.3	90	20	4.133
RTXX6041	6" x 4"	400	200	168.3	114.3	20	4.463
RTXX8040	8" x 40mm	500	175	219.1	40	20	5.264
RTXX8050	8" x 50mm	500	175	219.1	50	20	5.395
RTXX8063	8" x 63mm	500	200	219.1	63	20	5.505
RTXX8030	8" x 3"	500	210	219.1	90	20	5.749
RTXX8041	8" x 4"	500	225	219.1	114.3	20	6.079
RTXX8060	8" x 6"	500	225	219.1	168.3	20	6.537

For example: SS304 Reducing Tee will be RT023040 & SS316 will be RT033040

Technical Specification Quickair™ Piping System

Application	Compressed air, vacuum, nitrogen, Argon (other fluids & gases please contact Us)
Pressure	Max 12 bar
Vacuum	29.32'' hg
Temperature	-20° C to 200 C°
Design Standard	ASME B 31.1/3

Application:

Compressed air, nitrogen, Vacuum, Co_2
for any other application Please contact.
Note: All products are 100% Tested

Material of Construction of Fittings

Size	20– 32mm
Body	Engineering Plastic
Caps	Engineering Plastic
Oring	HNBR/EPDM (for other option please consult)
Size	3 - 8 inches
Body	Aluminium
Oring	HNBR/EPDM (for other option please consult)

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 80°c (option upto 200°c)

Materials of Construction of Aluminium pipe

Alloy	Aluminium Alloy 6060 T5
Tolerance	Tolerance Std. IS2763, IS3965, EN-755-2
Color	Blue coated (RAL 5012)
Surface finish	60 microns

PART NO.	D1 (mm)	PN (bar)	Meter	Thickness (mm)	Weight (Kg/m)
AP24200E	20	20	6	1.25	0.199
AP24250E	25	20	6	1.50	0.299
AP24320E	32	20	6	1.60	0.412

Simply push-fit Concept

Engineering Plastic fitting with Aluminium & Pex Tubing

Quickair™ Engineering Plastic fitting is similar to one touch pneumatic gas push fitting concept.

The advantage of this"Push-Fit" concept over other is Modular piping systems. As there is nothing to tighten but only "simply push" the tube inside the fitting

While removing the tube from the fitting just need to push "removing clip" on the tube and press towards the fitting removing clip will disengage the grab-ring and will release the tube from the fitting.

Integral condensate retention design for superior flow without pressure drops.

PEX PIPE

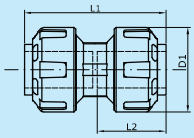
Design Standard : ASME B 31.1/3 PEX_A-AL-PEX_A
Standard Colour : 1) Blue, 2) White
Other Colours are optional.

PART NO.	COLOR	SIZE	PN (bar)	METER	Thickness (mm)	Weight kg/mtr
QPW2016	WHITE	20mm	12	100	2	0.128
QPW2520	WHITE	25mm	12	100	2.5	0.198
QPW3226	WHITE	32mm	12	100	3	0.298

TECHNICAL SPECIFICATIONS			
Outer Diameter (mm)	20	25	32
Inner Diameter (mm)	16	20	25
Wall thickness (mm)	2	2.5	3.0
Aluminium thickness (mm)	0.23	0.23	0.23
Max. working temperature (°C)	95	95	95
Max. working pressure (bar)	12	12	12
Thermal conductivity (0.45w/mk)	0.45	0.45	0.45
Linear expansion (0.25mm/mk)	0.25	0.25	0.25
Minimum tensile strength of adhesive layer(N/10mm)	30	30	30
Surface roughness of inner pipe (μ)	7	7	7
Degree of cross linking (%)	70	70	70
Weight (Kg/m)	0,128	0,198	0,298
Volume (L/m)	0.201	0.310	0.531
Design Standard	ASTMF 1281		

PIPE TO PIPE CONECTOR

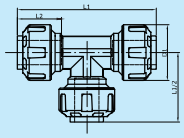
Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPES2020	20mm	44	73	33	12	0.113
QPES2525	25mm	51	76	35	12	0.133
QPES3232	32mm	65	79	38	12	0.187

EQUAL TEE

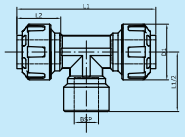
Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPET2020	20mm	44	109	33	12	0.183
QPET2525	25mm	51	112	35	12	0.19
QPET3232	32mm	65	130	38	12	0.316

FEMALE THREADED TEE

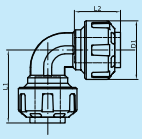
Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPFT2005	20mm x 0.5"	44	109	33	12	0.183
QPFT2505	25mm x 0.5"	51	112	35	12	0.19
QPFT2507	25mm x 0.7"	51	112	35	12	0.19
QPFT3205	32mm x 0.5"	65	130	38	12	0.316
QPFT3207	32mm x 0.7"	65	130	38	12	0.316

EQUAL ELBOW

Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm

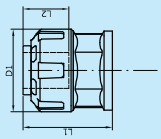


PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPEE2020	20mm	44	55	33	12	0.123
QPEE2525	25mm	51	56	35	12	0.146
QPEE3232	32mm	65	65	38	12	0.215

END CAP

QPEC

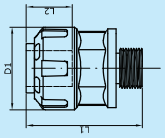
Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPEC2020	20mm	44	47	33	12	0.14
QPEC2525	25mm	51	49	35	12	0.152
QPEC3232	32mm	65	50	38	12	0.189

MALE CONNECTOR

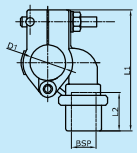
Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPMT2005	20mm x 0.5"	44	62.5	33	12	0.14
QPMT2007	20mm x 0.7"	44	62.5	33	12	0.14
QPMT2505	25mm x 0.5"	51	65.5	35	12	0.152
QPMT2507	25mm x 0.7"	51	65.5	35	12	0.152
QPMT2510	25mm x 1"	51	65.5	35	12	0.152
QPMT3010	3" x 1"	65	71	38	12	0.189
QPMT3012	3" x 1.2"	65	71	38	12	0.189

DROPLETS Female Thread (Only for Aluminium tubes)

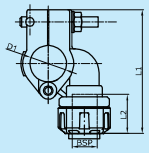
Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPEE2505	25mm x 0.5"	25	0.5"	75	39	12	0.26
QPEE3205	32mm x 0 5"	30	0.5"	96	54	12	0.32
QPEE3205	32mm x 0.5"	32	0.5"	96	54	12	0.35

DROPLETS Tube to Tube (Only for Aluminium tubes)

Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPEE2520	25mm x 20mm	25	20	75	39	12	0.26
QPEE3220	32mm x 20mm	30	20	96	54	12	0.32
QPEE3225	32mm x 25mm	32	25	96	54	12	0.35

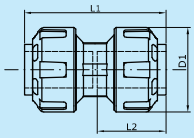
REINFORCEMENT BUSH (Only for Aluminium tubes)

Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm

PART NO.	SIZE	ØD(mm)	L1 (mm)	PN (bar)	Weight
QPPRB20	20mm	19	22	12	0.001
QPPRB25	25mm	24	25	12	0.002
QPPRB32	32mm	31	26	12	0.004

REDUCER SOCKET

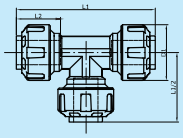
Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPES2020	20mm	44	73	33	12	0.113
QPES2525	25mm	51	76	35	12	0.133
QPES3232	32mm	65	79	38	12	0.187

REDUCER TEE

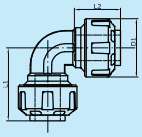
Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPET2020	20mm	44	109	33	12	0.183
QPET2525	25mm	51	112	35	12	0.19
QPET3232	32mm	65	130	38	12	0.316

REDUCER ELBOW

Design Standard : ASME B 31.1/3
Standard Colour : 20 - 32mm



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	PN (bar)	Weight
QPEE2020	20mm	44	55	33	12	0.123
QPEE2525	25mm	51	56	35	12	0.146
QPEE3232	32mm	65	65	38	12	0.215

MANIFOLD With Mini Ball Valve

Design Standard : ASME B 31.1/3

PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
GM321204	1 ¼" (32)	4	20	600	125	10
GM321206	1 ¼" (32)	6	20	600	125	10
GM401504	1 ½" (40)	4	20	600	130	12
GM401506	1 ½" (40)	6	20	600	130	12
GM502004	2" (50)	4	20	600	135	15
GM502006	2" (50)	6	20	600	135	15
GM632504	2 ½" (63)	4	20	600	140	18
GM632506	2 ½" (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 ¼" (32)	4	20	600	125	10
GMIBV321206	1 ¼" (32)	6	20	600	125	10
GMIBV401504	1 ½" (40)	4	20	600	130	12
GMIBV401506	1 ½" (40)	6	20	600	130	12
GMIBV502004	2" (50)	4	20	600	135	15
GMIBV502006	2" (50)	6	20	600	135	15
GMIBV632504	2 ½" (63)	4	20	600	140	18
GMIBV632506	2 ½" (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

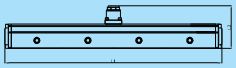
MANIFOLD With Mini Ball Valves

Design Standard : ASME B 31.1/3

PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
CAMPIBN2504	1" (25)	4	20	260	110	3

MANIFOLD With Mini Ball Valve Vertical

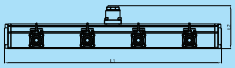
Design Standard : ASME B 31.1/3



PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
GM321204	1 ¼" (32)	4	20	600	125	10
GM321206	1 ¼" (32)	6	20	600	125	10
GM401504	1 ½" (40)	4	20	600	130	12
GM401506	1 ½" (40)	6	20	600	130	12
GM502004	2" (50)	4	20	600	135	15
GM502006	2" (50)	6	20	600	135	15
GM632504	2 ½" (63)	4	20	600	140	18
GM632506	2 ½" (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

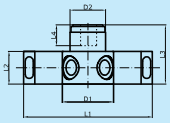
Design Standard : ASME B 31.1/3



PART NO.	SIZE	Outlets	PN (bar)	L1	L2	Weight (Kg)
GMIBV321204	1 ¼" (32)	4	20	600	125	10
GMIBV321206	1 ¼" (32)	6	20	600	125	10
GMIBV401504	1 ½" (40)	4	20	600	130	12
GMIBV401506	1 ½" (40)	6	20	600	130	12
GMIBV502004	2" (50)	4	20	600	135	15
GMIBV502006	2" (50)	6	20	600	135	15
GMIBV632504	2 ½" (63)	4	20	600	140	18
GMIBV632506	2 ½" (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

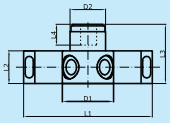
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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

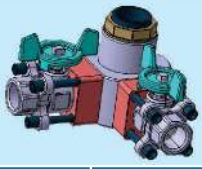
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic

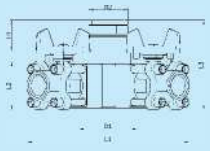


PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	PN (bar)	Weight (kg)
WB242005D	20mm x 0.5"	68	36	140	40	79	43	20	0.550
WB242505D	25mm x 0.5"	68	42	140	40	79	45	20	0.570

WALL BRACKET ½" OUTLET 2WAY With VALVE

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

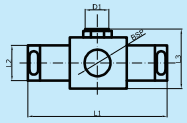




PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	PN (bar)	Weight (kg)
TWBO242005	20mm x 0.5"	68	36	140	40	79	43	20	0.550
TWBO242505	25mm x 0.5"	68	42	140	40	79	45	20	0.570

SINGLE WAY WALL BRACKET

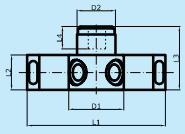
Design Standard : ASME B 31.1/3
MOC:- Aluminium with Engineering Plastic



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

WALL BRACKET ½" OUTLET 2WAY

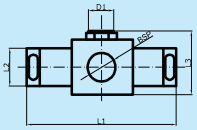
XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3



PART NO.	SIZE	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	PN (bar)	Weight (kg)
WBXX2005	20mm	68	36	140	40	79	43	20	0.796
WBXX2505	25mm	68	42	140	40	79	45	20	1.215

SINGLE WAY WALL BRACKET

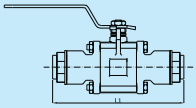
XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3



PART NO.	SIZE	D1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	PN (bar)	Weight (kg)
WBXX012005	20mm	20	120	42	65	20	0.726
WBXX012506	25mm	25	120	42	65	20	0.731

3 Piece INLINE BALL VALVE

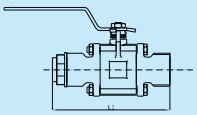
Design Standard : ASME B 31.1/3



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

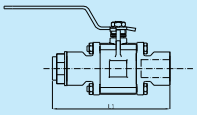
Design Standard : ASME B 31.1/3



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

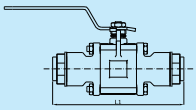
Design Standard : ASME B 31.1/3



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

3 Piece INLINE BALL VALVE

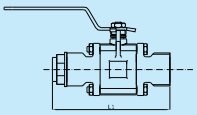
XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3



PART NO.	SIZE	D1(mm)	L1(mm)	PN (bar)	Weight (kg)
BFXX2045	20x45	20	135	20	0.584
BFXX2554	25x54	25	168	20	1.021
BFXX3262	32x62	32	199	20	1.467
BFXX4074	40x74	40	202	20	0.738
BFXX5088	50x88	50	204	20	3.599
BFXX6307	63x07	63	224	20	5.196

3 Piece INLINE MALE BALL VALVE

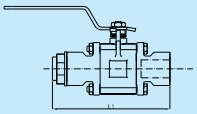
XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3



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

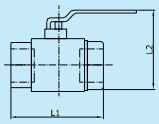
XX:- SS304:-02, SS316:-03
Design Standard: ASME B 31.1/3



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)

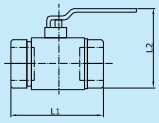
Design Standard : ASME B 31.1/3



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)

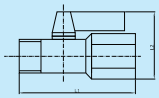
Design Standard : ASME B 31.1/3



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)

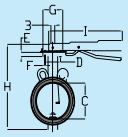
Design Standard : ASME B 31.1/3



PART NO.	SIZE	PN (bar)	L1	L2	Weight (Kg)
MBVMF050	½"	20	48	44	0.2

BUTTERFLY VALVE (CI)

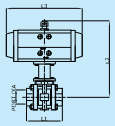
Design Standard : ASME B 31.1/3



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

Screwed End Ball Valve With Actuator

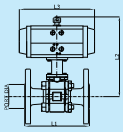
Design Standard : ASME B 31.1/3



PART NO.	Size	Port Dia	L1	L2	L3	Weight (kg)
BSXX2045	3/4"	21	165	61	172	1.7
BSXX2554	1"	26	168	65	172	2.3
BSXX3262	1 1/4"	32	190	70	222	3.3
BSXX4074	1 1/2"	38	216	70	222	5.5
BSXX5088	2"	50	241	70	222	7.8
BSXX6307	2 1/2"	64	284	185	400	9

Flanged End Ball Valve With Actuator

Design Standard : ASME B 31.1/3



PART NO.	Size	Port Dia	L1	L2	L3	Weight (kg)
FEXX2045	3/4"	21	165	161	135	1.7
FEXX2554	1"	26	168	165	135	2.3
FEXX3262	1 1/4"	32	190	170	135	3.3
FEXX4074	1 1/2"	38	216	170	135	5.5
FEXX5088	2"	50	241	170	170	7.8
FEXX6307	2 1/2"	64	284	185	170	9

3 Piece Inline Pneumatic Ball Valve

Design Standard : ASME B 31.1/3

PART NO.	Size	Port Dia	L1	L2	L3	Weight (kg)
BSXX2045DA	3/4"	21	165	161	135	1.7
BSXX2554DA	1"	26	168	165	135	2.3
BSXX3262DA	1 1/4"	32	190	170	135	3.3
BSXX4074DA	1 1/2"	38	216	170	135	5.5
BSXX5088DA	2"	50	241	170	170	7.8
BSXX6307DA	2 1/2"	64	284	185	170	9

3 Piece Screwed Pneumatic Ball Valve

Design Standard : ASME B 31.1/3

PART NO.	Size	Port Dia	L1	L2	L3	Weight (kg)
SSXX2045	3/4"	14	70.5	64.8	151	0.8
SSXX2554	1"	20	94	74	170	1.6
SSXX3262	1 1/4"	25	107.8	79	170	2.1
SSXX4074	1 1/2"	32	115.2	102	205	3
SSXX5088	2"	38	127.5	107	205	4
SSXX6307	2 1/2"	50	158	118	205	7.37

CRIMPING JAWS

CJ13

PART NO.	SIZE	Weight
CJ133000	3"	
CJ134100	4"	
CJ136000	6"	
CJ138000	8"	

CAP OPENING TOOL

PART NO.	SIZE	Weight
OT132000	20	
OT132500	25	
OT133200	32	
OT134000	40	
OT135000	50	
OT136300	63	

TUBE CUTTER

PART NO.	SIZE	Weight
TC110100	20-63mm	

DEBURING TOOL

PART NO.	SIZE	Weight
DB110000	20mm to 8"	

AIR GUN

PART NO.	SIZE	Weight
AG110200		

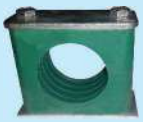
CRIMPING MACHINE

PART NO.	SIZE	Weight
CM130000	3" to 8"	

CHAMPERING TOOL

PART NO.	SIZE	Weight
CT110100	20-63mm	

CLIP



PART NO.	SIZE	Weight
CSPP2000	20	
CSPP2500	25	
CSPP3200	32	
CSPP4000	40	
CSPP5000	50	
CSPP6300	63	

Opening Clip

PART NO.	SIZE	Weight
OC132000	20	
OC132500	25	
OC133200	32	
OC134000	40	
OC135000	50	
OC136300	63	

CLIPS

PART NO.	SIZE	Weight
CL112000	20	
CL112500	25	
CL113200	32	
CL114000	40	
CL115000	50	
CL116300	63	

MALE SOCKET

PART NO.	SIZE	Weight
SM110200	1/4″	
SM110300	3/8″	
SM110500	1/2″	
SM110700	3/4″	
SM110000	1″	

MALE PLUG

PART NO.	SIZE	Weight
PM110200	1/4″	
PM110300	3/8″	
PM110500	1/2″	
PM110700	3/4″	
PM111000	1″	

FEMALE SOCKET

PART NO.	SIZE	Weight
SF110200	1/4″	
SF110300	3/8″	
SF110500	1/2″	
SF110700	3/4″	
SF111000	1″	

FEMALE PLUG

PART NO.	SIZE	Weight
PF110200	1/4″	
PF110300	3/8″	
PF110500	1/2″	
PF110700	3/4″	
PF111000	1″	

HOSE SOCKET

PART NO.	SIZE	Weight
SH110340	3/8″	
SH110540	1/2″	
SH110740	3/4″	
SH111040	1″	

NUT SOCKET

PART NO.	SIZE	Weight
SN110800	08	
SN111000	10	
SN111200	12	

NUT PLUG

PART NO.	SIZE	Weight
PN110800	08	
PN111000	10	
PN111200	12	
PN111400	14	

HOUSE PLUG

PART NO.	SIZE	Weight
PH110200	1/4″	
PH110300	3/8″	
PH110500	1/2″	
PH110700	3/4″	
PH111000	1″	

FR

FR11

FRL

FL11

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″

POLYURETHENE TUBE PT11

MOC: Polyurethene available in 1000 mtr's

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

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

RECOIL HOSE RH11

MOC: Polyurethene available in 1000 mtr's

PART NO.	Ø D	Weight
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

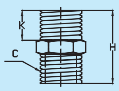
Available in 1,2 & 3 mtr's for 1 mtr's add .1(Ex:EH112505.1)

PART NO.	Ø D	SIZE	PART NO.	Ø D	SIZE
EH112505*	25	½"	EH114012*	40	1 1/4"
EH112507*	25	3/4"	EH114015*	40	1 ½"
EH112510*	25	1"	EH115015*	50	1 ½"
EH113210*	32	1"	EH115020*	50	2"
EH113212*	32	1 1/4"	EH116320*	63	2"
EH114010*	40	1"	EH116325*	63	2 ½"

BUSH WITH O RING GASKET BS13

PART NO.	Ø	Weight
BS132000	20	
BS132500	25	
BS133200	32	
BS134000	40	
BS135000	50	
BS136300	63	

HEX NIPPLE HN11

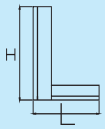


PART NO.	Ø C	K	H	Weight
HN110500	½"	15	36	
HN110700	3/4"	16	38	
HN111000	1"	16	48	
HN111200	1 1/4"	23	58	
HN111500	1 1/2"	24	63	
HN112000	2"	28	81	

CAP WITH RETAINER RINGS BO13

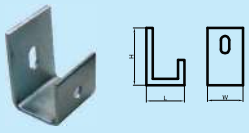
PART NO.	Ø	Weight
BO132000	20	
BO132500	25	
BO133200	32	
BO134000	40	
BO135000	50	
BO136300	63	

L ANGLE LA11



PART NO.	H	L	Weight
LA110304	3"	4"	
LA110408	4"	8"	
LA110604	6"	4"	
LA110606	6"	6"	
LA110608	6"	8"	
LA110609	6"	9"	
LA110612	6"	12"	
LA111024	10"	24"	

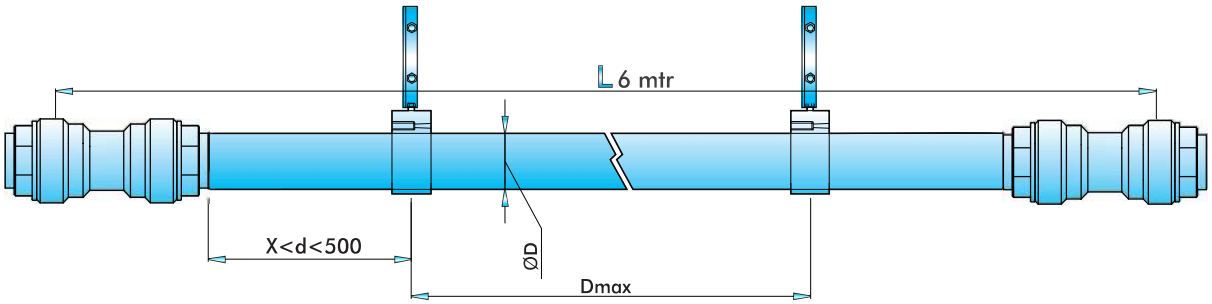
U CLAMP UC11



PART NO.	H	L	W	Weight
UC110000	57	26	21	

Quickair™ Aliminium Installation

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.

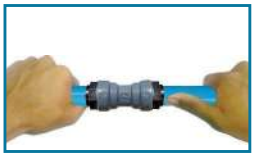


d-Distance between fitting and clip
Dmax-Distance between two clips(2 mtr)

Fixing The Tube

Step 1: Cutting the Tubes

Step 3: Chamfering the Tubes



Step 4: Inserting the tubes Info fitting

Step 5: Inserting the Tubes info 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

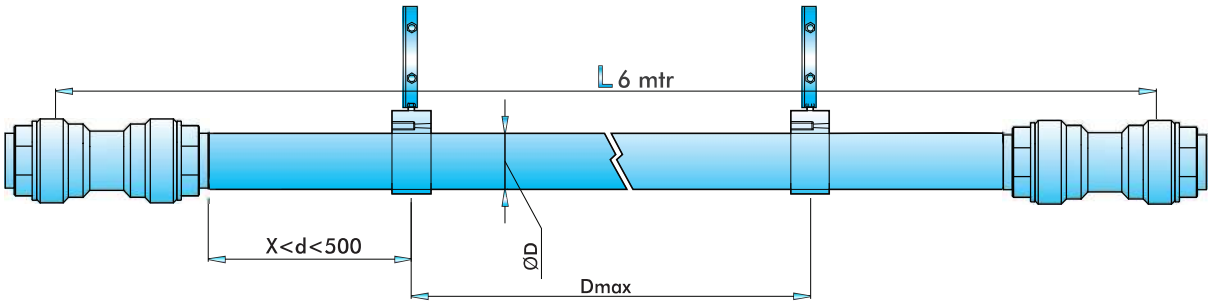
Step 4:
Chamfering the hole

Step 5:
Aligning the Droplet to the hole

Step 6:
Fixing the Droplet on the tube

Quickair™ SS Installation

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.



d-Distance between fitting and clip
Dmax-Distance between two clips(2 mtr)

Fixing The Tube

Step 1: Cutting the Tubes

Step 2: Grooving the Tubes

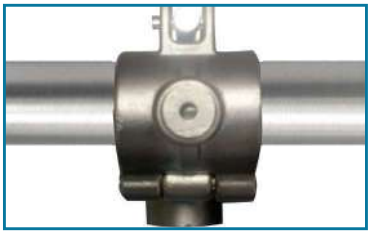
Step 3: Chamfering the Tubes

Step 4: Inserting the tubes Info fitting

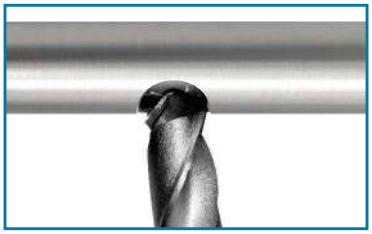
Step 5: Inserting the Tubes info fitting

Fixing The Drop

Step 1:
Positioning the
Droplet on the tube

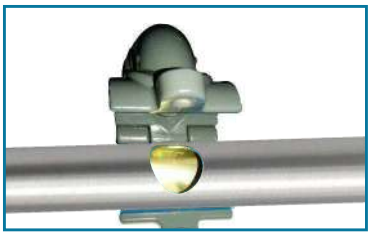


Step 2:
Marking the position
Of the hole on tube



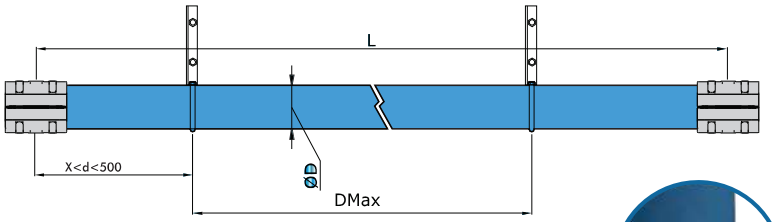
Step 3:
Drilling the Required
Hole on the tube

Step 4:
Chamfering the hole

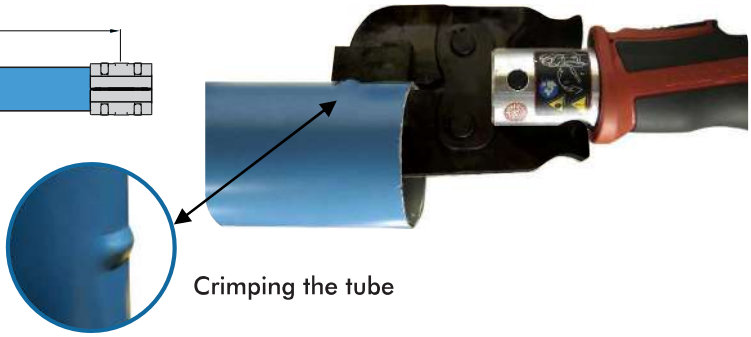


Step 5:
Aligning the Droplet to the hole

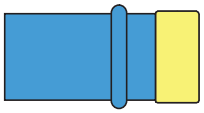
Step 6:
Fixing the Droplet on the tube



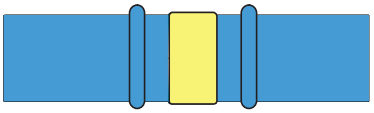
d-Distance between fitting and clip.
ØD- Diameter of the pipe
Dmax-Distance between two clips(1m)



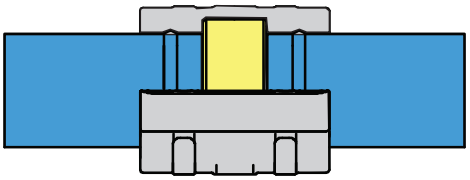
Crimping the tube



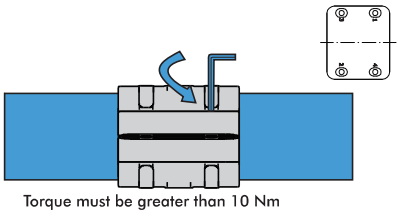
STEP 1: Join the bush with crimped pipe.



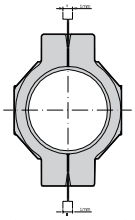
STEP 2: Join another crimped pipe with bush.



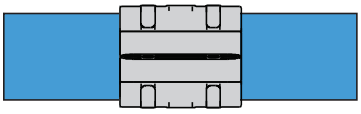
STEP 3: Join the top and bottom clamp with the bush.



STEP 4: Tight the clamp with align bolts and align key.

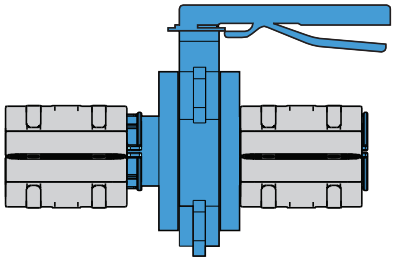


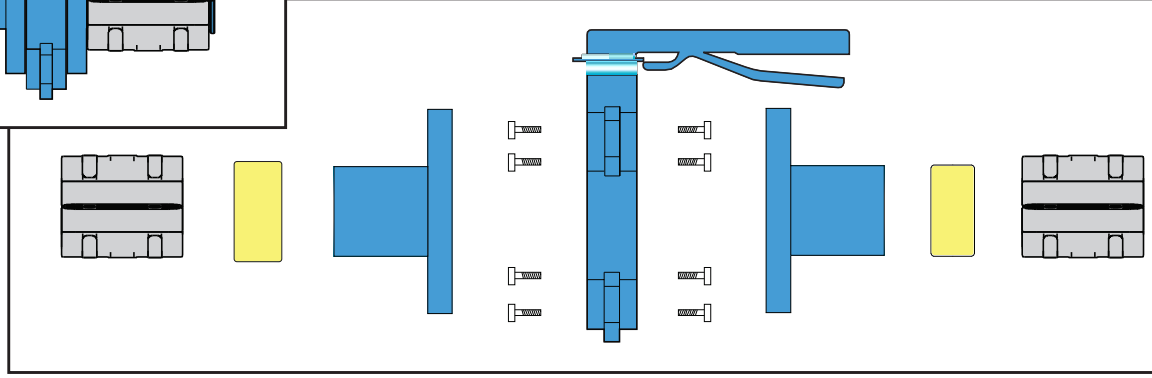
STEP 5: While tightening maintain 1mm gap between top and bottom clamp.



STEP 6: After tightening pass the air and check the leakage with soap water.

Assembly of butterfly valve with clamps



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