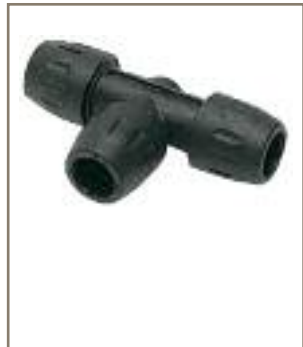




Advanced Air Pipe System

1/2" (16.5 mm) to 4" (100 mm)



ENGINEERING YOUR SUCCESS.

Technical specification

Suitable fluids:

- Compressed air
- Vacuum
- Inert gases: argon, nitrogen (For other fluids, please consult us.)

Working pressure:

- Compressed air - 232 psi
- Vacuum - 29.6" Hg vacuum

Working temperature:

- -4°F to +140°F

Safety:

- Resistance to mechanical shocks:
The pipe material (aluminum) is ductile, which in case of a shock causes simple deformation of the tube.
- Fire resistance:
All Transair components are non-flammable, with no propagation of flame.
- Transair fittings:
Conform to UL94HB
- Transair mounting clips:
Conform to UL94V-2

Extruded aluminum pipe:

- Conforms to ASTM B241, EN 755.2 and EN 755.3

Pipe sizes:	16.5 mm O.D.	=	1/2" ID
	25 mm O.D.	=	7/8" ID
	40 mm O.D.	=	1 1/2" ID
	63 mm O.D.	=	2 1/2" ID
	76 mm O.D.	=	3" ID
	100 mm O.D.	=	4" ID

Materials:

- Polyamide
- Plated brass
- Stainless steel
- Powder-coated aluminum
- Nitrile seals

Recyclability:

- 100% recyclable materials

Resistance to the working environment:

- Storage temperature:
-40°F to +176°F
- Excellent resistance to:
Ultra violet rays and compressor oils (mineral or synthetic). For list of fluids, please consult us.



Certifications and Guarantees



Transair meets
the requirements
of
ASME B31.1



Transair meets
the requirements
of
ASME B31.3



Identification

Part numbers have been chosen by a method of mnemonics.

Each Transair component is identified by:

- Series
- Pipe O.D.
- Thread code or second pipe O.D.

6662 40 25

type of
article

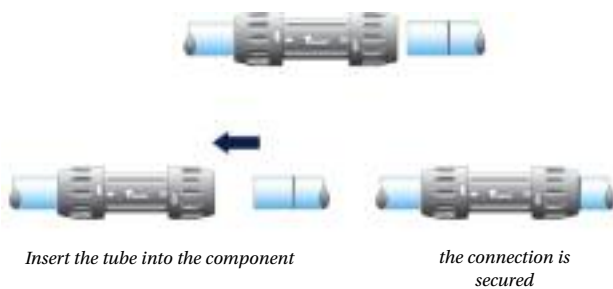
pipe O.D.

thread code or
second pipe O.D.

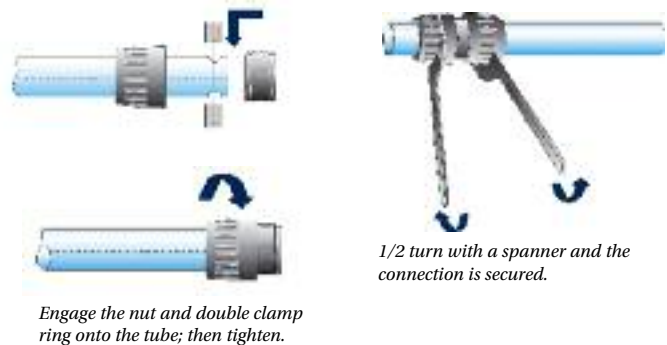
Technology

Transair is a manufacturer of fast, flexible and easy to modify aluminum pipe systems, which is intended for all industrial sectors. Transair is an intelligent and flexible system designed for quick and easy-to-modify compressed air, vacuum and inert gas systems installation. This technology takes into account the specific requirements of each diameter and provides the user with an optimum safety ratio and easy connection.

Quick assembly connection with gripping ring
(16.5mm - 25mm - 40mm)

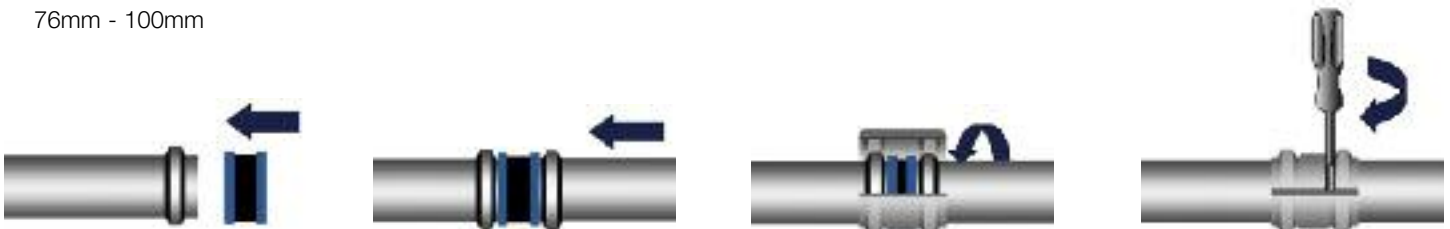


Quick assembly connection with double clamp ring (63mm)



Quick assembly of the Transair components included in this catalog is secured by an internal gripping ring or external double clamp ring. A mark on the end of each length of pipe gives visual indication that the connection has been correctly made.

76mm - 100mm



The performance of a compressed air system is directly linked to the material of the pipe. The specific characteristics of Transair's powder-coated aluminum pipe guarantees the best performance from your equipment and pneumatic tools:

- Good quality clean air, compatibility with most compressor oils, with no risk of corrosion or distortion,
- Optimum flow rate performance, superior to steel, due to the low coefficient of air friction over aluminum,
- Excellent resistance to shocks, aggressive environments and aging (Qualicoat label certified),
- Calibration with specific tolerances ensures excellent gripping and sealing,
- Reinforcement of its mechanical, physical and chemical characteristics, by a specific thermal process after extrusion,
- Low weight for easy on-site handling for use with different types of support,
- Blue color for quick identification of your Transair compressed air pipe systems.



Composite automatic safety couplers and plugs

CP05 Male body, NPT



body	C (in)	Transair	profile
1/4"	1/4	CP05 U1N02	ISO B
1/4"	3/8	CP05 U1N03	ISO B
1/4"	1/2	CP05 U1N04	ISO B
3/8"	1/4	CP05 U2N02	ISO B
3/8"	3/8	CP05 U2N03	ISO B
3/8"	1/2	CP05 U2N04	ISO B
1/4"	1/4	CP05 A1N02	ARO
1/4"	3/8	CP05 A1N03	ARO
1/4"	1/2	CP05 A1N04	ARO

CP15 Female body, NPT



body	C (in)	Transair	profile
1/4"	1/4	CP15 U1N02	ISO B
1/4"	3/8	CP15 U1N03	ISO B
1/4"	1/2	CP15 U1N04	ISO B
3/8"	1/4	CP15 U2N02	ISO B
3/8"	3/8	CP15 U2N03	ISO B
3/8"	1/2	CP15 U2N04	ISO B
1/4"	1/4	CP15 A1N02	ARO
1/4"	3/8	CP15 A1N03	ARO
1/4"	1/2	CP15 A1N04	ARO

CP21 Body with hosetail



body	C (mm)	Transair	profile
1/4"	6	CP21 U1 06	ISO B
1/4"	8	CP21 U1 08	ISO B
1/4"	10	CP21 U1 10	ISO B
3/8"	8	CP21 U2 08	ISO B
3/8"	10	CP21 U2 10	ISO B
3/8"	13	CP21 U2 13	ISO B
1/4"	6	CP21 A1 06	ARO
1/4"	8	CP21 A1 08	ARO
1/4"	10	CP21 A1 10	ARO

9083 Female straight plug, NPT



body	C (in)	Transair	profile
1/4"	1/4	9083 23 14	ISO B
1/4"	3/8	9083 23 18	ISO B
3/8"	1/4	9083 30 14	ISO B
3/8"	3/8	9083 30 18	ISO B
1/4"	1/4	9083 22 14	ARO
1/4"	3/8	9083 22 18	ARO

9084 Male straight plug, NPT



body	C (in)	Transair	profile
1/4"	1/4	9084 23 14	ISO B
1/4"	3/8	9084 23 18	ISO B
3/8"	1/4	9084 30 14	ISO B
3/8"	3/8	9084 30 18	ISO B
1/4"	1/4	9084 22 14	ARO
1/4"	3/8	9084 22 18	ARO

9085 Barbed connector plug



body	C (mm)	Transair	profile
1/4"	6	9085 23 56	ISO B
1/4"	8	9085 23 08	ISO B
1/4"	10	9085 23 60	ISO B
3/8"	8	9085 30 08	ISO B
3/8"	10	9085 30 60	ISO B
3/8"	13	9085 30 62	ISO B

Pressurized system outlets

EA98 Pressurized system drilling tool



C (in)	Transair	oz
1/2	EA98 06 00	19.22

EA98 Pressurized system bracket



OD	Transair
25	EA98 06 01
40	EA98 06 02
63	EA98 06 03

Ball valve with bracket (1/2" NPT thread)

Rigid aluminum pipe

1013A 10 ft rigid aluminum pipe



OD	Transair	lbs
16.5	1013A17 04 00	1.41
25	1013A25 04 00	2.12
40	1013A40 04 00	3.11
63	1013A63 04	6.92

1004A 15 ft rigid aluminum pipe (1/2")



OD	Transair	lbs
16.5	1004A17 04	2.11

1016A 20 ft rigid aluminum pipe



OD	Transair	lbs
25	1016A25 04 00	4.24
40	1016A40 04 00	6.22
63	1016A63 04	13.84

*Available in grey and green.

TA16 20 ft rigid aluminum pipe (3" and 4")



OD	Transair	lbs
76	TA16 L1 04	20
100	TA16 L3 04	26

6697 Fixing clip for rigid pipe



OD	Transair	oz
16.5	6697 17 01	0.95
25	6697 25 01	1.06
40	6697 40 01	1.27
63	6697 63 01	2.82

Use only this clip for fixing Transair rigid pipe, all other type of pipe clips are to be avoided. Fix the clip to a rigid support (U-channel, cable tray) to allow for expansion while retaining the pipe. Transair's fixing clips are designed to bear a maximum weight of 44 lbs. However, to ensure good stability of the network, we recommend the use of at least 2 clips per pipe, i.e.:

- maximum 5 ft space between clips for 10 ft. lengths of pipe.
- maximum 10 ft. space between clips for 20 ft. lengths of pipe.

EX01 Fixing clip for rigid pipe (3" and 4")



OD	Transair	oz
76	EX01 L1 00	4.09
100	EX01 L3 00	4.73

ER01 Fixing clip for rigid pipe (3" and 4")



OD	Transair	oz
76	ER01 L1 00	4.09
100	ER01 L3 00	4.73

Flexible hose

1001E Flexible hose for compressed air systems



L	Transair	lbs
1'4"	1001E25 00 01	1.20
5'	1001E25 00 03	3.28
6'7"	1001E25 00 04	4.40
3'3"	1001E40 00 02	4.57
6'7"	1001E40 00 04	7.32
9'10"	1001E40 00 05	8.82
4'7"	1001E63 00 08	8.64
9'10"	1001E63 00 05	17.77
13'1"	1001E63 00 06	23.59

1001E Flexible hose for vacuum systems



L	Transair	lbs
1'4"	1001E25V00 01	1.98
5'	1001E25V00 03	5.51
6'7"	1001E25V00 04	6.61
3'3"	1001E40V00 07	3.08
6'7"	1001E40V00 04	8.81
9'10"	1001E40V00 05	9.92
9'10"	1001E63V00 05	19.27
13'1"	1001E63V00 06	24.00

FP01 Flexible hose for 3" and 4"



OD	L	Transair	lbs
76	4'11"	FP01 L1 01	11.35
76	6'6"	FP01 L1 02	15.21
100	6'6"	FP01 L3 02	28.22
100	9'10"	FP01 L3 03	40.48

6698 Anti whip-lash strap



Transair	lbs
6698 99 03	0.47

Prevents whip-lash should Transair flexible hose be disconnected while under pressure. Conforms to ISO 4414 safety standard.

Pipe-to-pipe and threaded connectors

6605 Male threaded connector, NPT



OD	C (in)	Transair	oz
16.5	1/4	6605 17 14	3.67
16.5	1/2	6605 17 22	4.09
25	1/2	6605 25 22	9.52
25	3/4	6605 25 28	11.64
25	1	6605 25 35	7.05
40	1	6605 40 35	8.11
40	1 1/4	6605 40 43	15.49
40	2	6605 40 44	49.76
40	1 1/2	6605 40 50	21.69
63	2	6605 63 44	36.33
63	2 1/2	6605 63 41	47.62
63	3	6605 63 46	77.76

6606 Equal pipe-to-pipe connector



OD	Transair	oz
16.5	6606 17 00	2.50
25	6606 25 00	4.55
40	6606 40 00	12.13
63	6606 63 00	28.92

6676 Equal pipe-to-pipe connector with vent



OD	Transair	oz
25	6676 25 00	4.55
40	6676 40 00	11.32
63	6676 63 00	29.63

6621 Male adapter, NPT



OD	C (in)	Transair	oz
16.5	1/2	6621 17 22	0.07
25	1/2	6621 25 22	1.23
25	3/4	6621 25 28	2.01
25	1	6621 25 35	2.08
40	1 1/4	6621 40 43	4.90
40	1 1/2	6621 40 50	6.07

RR21 Male adapter, NPT



OD	C (in)	Transair	oz
76	2 1/2	RR21 L1N29	70.56
76	3	RR21 L1N24	32.0

6625 Vented end cap



OD	Transair	oz
16.5	6625 17 00	3.39
25	6625 25 00	3.39
40	6625 40 00	6.45
63	6625 63 00	16.23

6666 Plug-in reducer



OD1	OD2	Transair	oz
25	16.5	6666 17 25	2.54
40	25	6666 25 40	4.09
63	40	6666 40 63	30.34

6602 Equal elbow 90°



OD	Transair	oz
16.5	6602 17 00	2.43
25	6602 25 00	3.77
40	6602 40 00	11.32
63	6602 63 00	33.86

6609 Male threaded 90° elbow, NPT



OD	Transair	oz
16.5	6609 17 14	3.67
16.5	6609 17 22	4.69
25	6609 25 22	7.87
25	6609 25 28	8.29
25	6609 25 35	10.40
40	6609 40 35	22.79
40	6609 40 43	27.55
40	6609 40 50	28.64
40	6609 40 44	32.70
63	6609 63 41	64.59
63	6609 63 46	96.19

6612 45° elbow



OD	Transair	oz
25	6612 25 00	4.06
40	6612 40 00	13.40
63	6612 63 00	31.96

6619 Male threaded 45° elbow, NPT



OD	Transair	oz
25	6619 25 22	7.51
25	6619 25 28	7.93
25	6619 25 35	10.05
40	6619 40 35	21.48
40	6619 40 43	26.24
40	6619 40 50	27.34
40	6619 40 44	31.39

6604 Equal tee



OD	Transair	oz
16.5	6604 17 00	5.29
25	6604 25 00	6.38
40	6604 40 00	21.48
63	6604 63 00	47.62

6604 Reducing tee



OD1	OD2	Transair	lbs
63	40	6604 63 40	3.31

RR01 Pipe-to-pipe connector (clamp and cartridge)



OD	Transair	lbs.
76	RR01 L1 00	2.33
100	RR01 L3 00	3.06

*Assembly includes clamp & cartridge.

RX12 Equal elbow 45°



OD	Transair	lbs
76	RX12 L1 00	2.00
100	RX12 L3 00	3.90

RX02 Equal elbow 90°



OD	Transair	lbs
76	RX02 L1 00	2.21
100	RX02 L3 00	3.86

RX25 End cap



OD	Transair	lbs.
76	RX25 L1 00	0.71
100	RX25 L3 00	1.17

RX64 In-line reducer



OD1	OD2	Transair	lbs.
76	63	RX64 L1 63	1.26
100	63	RX64 L3 63	1.76

RX66 In-line reducer



OD1	OD2	Transair	lbs.
100	76	RX66 L3 L1	1.57

RX24 Reducing tee



OD1	OD2	Transair	lbs.
76	40	RX24 L1 40	2.01
76	63	RX24 L1 63	2.29
100	40	RX24 L3 40	3.46
100	63	RX24 L3 63	3.75

RX04 Equal tee



OD	Transair	lbs.
76	RX04 L1 00	2.32
100	RX04 L3 00	3.97

RX04 Reducing tee



OD1	OD2	Transair	lbs.
100	76	RX04 L3 L1	3.62

RX20 Threaded tee



OD	C (in)	Transair	lbs.
76	1/2	RX20 L1N04	1.92
100	1/2	RX20 L3N04	3.40

Wall brackets with ball valve

6679 1 port 45° wall bracket with ball valve, NPT



OD	C (in)	Transair	lbs.
16.5	1/2	6679 17 22	1.92
25	1/2	6679 25 22	3.37

6675 2 port 90° wall bracket with ball valve, NPT



OD	C (in)	Transair	lbs.
16.5	1/2	6675 17 22	1.34
25	1/2	6675 25 22	3.21

6694 2 port 45° wall bracket with ball valve, NPT



OD	C (in)	Transair	lbs.
16.5	1/2	6694 17 22	2.23
25	1/2	6694 25 22	3.69

6638 3 port wall bracket with ball valve, NPT



OD	C (in)	Transair	lbs.
25	1/2	6638 25 22	3.82

Valves

4002 Ball valve



OD	Transair	oz
40	4002 40 00	21.16
63	4002 63 00	85.54

4088 / 4099 Double female, vented



OD	Transair	oz
16.5	4089 17 00	11.99
25	4088 25 14	38.44
16.5	4099 17 00	13.82
25	4099 25 00	43.38

*4099 17 00 and 4099 25 00 are lockable.

4230 Remote control shut-off valve



OD	Transair	lbs.
40	4230 00 40	4.0

*Pilot Kit (4299 03 01)

VR01 Ball valve for 3" and 4"



OD	Transair	lbs.
76	VR01 L1 00	24.25
100	VR01 L3 00	43.43

Nitrile seal. Supplied with fixing bolts. Must be used with RX30 flange.

VR02 Butterfly valve



OD	Transair	lbs.
76	VR02 L1 01	8.16
100	VR02 L3 01	10.36

EPDM Seal. Supplied with fixing bolts.

Quick assembly brackets and wall brackets

6662 Quick assembly reducing bracket



OD1	OD2	Transair	oz
25	25	6662 25 00	4.13
25	16.5	6662 25 17	3.49
40	16.5	6662 40 17	4.87
40	25	6662 40 25	5.43
63	25	6662 63 25	10.58

6663 Quick assembly mini bracket with female thread



OD	C (in)	Transair	oz
25	1/2	6663 25 22	4.09
40	1/2	6663 40 22	5.50
63	1/2	6663 63 22	16.58
63	3/4	6663 63 28	18.00

RR63 / RR89 Simple reducing bracket



OD	C (in)	Transair	lbs.
Nitrile Seals			
76	1"	RR63 L1N08	1.05
100	1"	RR63 L3N08	1.05
EPDM Seals			
76	1"	RR89 L1N08 01	1.05
100	1"	RR89 L3N08 01	1.05

Supplied with O.D. 25 - 1" adaptor (6621 25 35). To drill Transair pipe, use drilling tool EW09.

6668 Quick assembly bracket with pre-assembled ball valve, NPT



OD	C (in)	Transair	oz
25	1/2	6668 25 22	15.16
40	1/2	6668 40 22	15.34
63	1/2	6668 63 22	24.16
63	3/4	6668 63 28	27.51

RA68 / RA69 Simple bracket



OD1	OD2	Transair	oz
25	16.5	RA68 25N04	5.43
40	16.5	RA68 40N04	10.58
25	16.5	RA69 25 17	3.49
40	25	RA69 40 25	4.87

6640 / 6642 1 port wall bracket, NPT



OD	C (in)	Degree	Transair	oz
16.5	1/2	45	6640 17 22	18.62
25	7/8	45	6640 25 22	18.52
	1/2	45	6642 22 22	16.93

*6642 22 222 is threaded.

6684 / 6688 2 port wall bracket, NPT



OD	C (in)	Degree	Transair	oz
16.5	1/2	90	6684 17 22	16.01
25	1/2	90	6684 25 22	13.97
	1/2	90	6688 22 22	14.81
16.5		45	6689 17 22	23.60
25		45	6689 25 22	23.88
	1/2	45	6691 22 22	22.29

*6688 22 22 and 6691 22 22 are threaded.

6696 / 6636 3 port wall bracket, NPT



OD	C (in)	Transair	oz
25	1/2	6696 25 22	25.40
	3/4	6636 28 22	23.81

*6636 28 22 is threaded.

Tools

6698 / EW08 Pipe cutter



Transair	oz
6698 03 01 For 16.5, 25, 40 and 63 mm.	28.80
EW08 00 01 For 63, 76 and 100 mm.	28.80

6698 Drilling kit for 25mm and 40mm



Transair	oz
6698 01 01	30.33

After drilling, deburr and clean the pipe.

6698 Drilling tool - 63mm



Transair	lbs.
6698 01 02	3.81

After drilling, deburr and clean the pipe.

6698 / EW09 Drilling tool for calibrated aluminum pipe



Transair	lbs.
6698 02 02	0.32
6698 02 01	0.33
EW09 00 22	0.33
EW09 00 30	0.33



May be used with all types of drills. Rotation speed: 650 rpm maximum

6698 Deburring tool for pipe



Transair	oz
6698 04 02	70.0

6698 Chamfer tool



Transair	oz
6698 04 01	3.05

For 16.5, 25, 40 and 63 mm.

6698 Set of tightening spanners for 63mm pipe



Transair	lbs.
6698 05 03	1.675

6698 Marking tool for aluminum pipe



Transair	oz
6698 04 03	0.38

6698 Tool case for 16.5mm - 63mm



Transair	lbs.
6698 00 03	13.0

This tool simplifies the use and transportation of tools. It contains all the tools necessary for completing a Transair installation:

- Drilling fixtures 6698 01 01 and 6698 01 02
- Drilling tools 6698 02 01 and 6698 02 02
- Cutter for pipe 6698 03 01
- Chamfer tool 6698 04 01
- Deburring tool 6698 04 02
- Set of tightening spanners (2) 6698 05 03
- Marking tool 6698 04 03

EW01 Portable tool kit for 3" and 4"



Transair	lbs.
EW01 00 02	20.94

This case contains: 1 portable tool, 1 12V battery and 1 battery charge

EW02 Jaws for portable tool



OD	Transair	oz
76	EW02 L1 00	5.73
100	EW02 L3 00	6.17


EW03 12V battery for portable tool



Transair	lbs.
EW03 00 01	1.48


Accessories

6697 Spacer



OD	Transair	oz
11	6697 00 03	0.71


0169 Threaded rod adapter



Transair	oz
1/4" x 3/8" 0169 00 05 00	1.06


The use of this adapter facilitates the suspension of Transair under 3/8" threaded rod.

6699 U-channel



Transair	lbs
6699 01 01	3.30

6699 U-channel fixing brackets




Transair	oz
6699 01 02	6.00

This set includes:


- 1 bracket
- 1 fixing bolt & nut
- 1 rail profile end cap

RX30 Flange
RX31 Flange - *ANSI standard*




OD	Transair	lbs.
76	RX30 L1 00	7.05
100	RX30 L3 00	12.02
76	RX31 L1 00*	7.05
100	RX31 L3 00*	12.02

6698 Heavy duty series hose reel - 25ft and 50ft



ID	Transair	lbs
3/8"	6698 11 11	35
3/8"	6698 11 12	51


0659 Blow gun



C	DNA	Transair	oz
1/4	3.5	0659 00 14	2.65


Flow 87 psi: 15 cfm

RP00 Cartridge




OD	Transair	oz
76	RP00 L1 00	2.82
100	RP00 L3 00	4.59

EW05 Flange gasket



OD	Transair
76	EW05 L1 00
100	EW05 L3 00


EW06 Flange bolt kit



C (in)	Transair	L
5/8	EW06 00 01	60

Manifolds


6651 4 Port manifold



OD	Transair	lbs
25	6651 25 12 04	2.34
40	6651 40 12 04	6.17

Supplied with four 12mm plugs

6653 6 Port manifold



OD	Transair	lbs
25	6653 25 22 06	5.07
40	6653 40 22 06	8.37

*Six 1/2" NPT ports

Significant Savings on Installation, Maintenance and Operating Costs

Transair compressed air pipe systems are quick to install and ready for immediate pressurization. Components are removable, interchangeable and allow for immediate and easy layout modifications.

All modifications and extensions to a Transair system enables the pipe system to be assembled much more quickly than a galvanized steel or copper system.

Example of installation:

- Galvanized installation: 6 feet per hour
- Copper installation: 8 feet per hour
- Transair installation: 45 feet per hour

All modifications and extensions to a Transair systems can be done extremely quickly therefore, reducing your production time requirement.

Example of the installation time for a Transair drop:

- Lateral dismantling of pipe: 1 min. 30 sec.
- Drilling of pipe: 2 min. 30 sec.
- Mounting bracket: 45 sec.
- Remounting of pipe: 1 min. 30 sec.

Optimal Machine and Tool Efficiency

The “full bore” design of Transair’s components, the low friction coefficient of aluminum pipe, and the sealing characteristics of the system ensure optimal and constant flow throughout.

Due to its innovative technology, Transair gives better performance in terms of improved flow and reduced pressure drop.

Example:

- A 63mm Transair system gives a flow performance better than that of a nominal (2 1/2”) galvanized steel system.

Transair aluminum pipe ensures superior flow performance over a longer period of time.

Example:

- Steel pipe can erode by a 40% factor over its lifetime. Transair maintains its smooth bore throughout its lifetime.

Clean Air Quality Protects Equipment

Transair aluminum pipe ensures a total absence of corrosion. The inner pipe surface consistently delivers clean compressed air.

Transair prevents the problems caused by rust, which affects galvanized steel systems. Due to consistent clean quality air, from compressor outlets to machines, Transair aluminum pipe ensures higher longevity of equipment and avoids frequent changes of filtration elements.

The Answer for Complete Projects from the Compressor to the Workstation

Transair is designed for both primary and secondary distribution systems used for compressed air, vacuum and inert gases, from the smallest workshop to the largest factory.

Due to the wide range of components available, 16.5mm, 25mm, 40mm, 63mm, 76mm and 100mm, Transair systems range from large manufacturing facilities to auto repair shops.

Instructions

4002 Ball valve



6604 - Equal tee



6606 - Union



6602 - 90° elbow



2 port wall bracket



6698 - Pipe cutter



1. Areas of application

Before installing Transair, a responsible person should check that the area of installation conforms to regulations designed to prevent the risk of explosion (in particular the risks associated with static electricity in silo zones).

Transair must be installed either after the air receiver or the dryer. Transair's flexible hose should be fitted at the beginning of the pipe system, in order to counter the vibrations found in any compressed air system. When maintaining or modifying a Transair pipe system, the work must be undertaken only after the compressed air system has been vented.

The installer must use only Transair components and accessories, and in particular, Transair's pipe clips. No other type of pipe mounting method is to be used. The technical characteristics of Transair's components, as expressed in this brochure, must be respected.

2. Starting the installed system

Once assembled, the operation of a Transair installation is the responsibility of the installer who, prior to use, must complete all necessary tests. The installer must also ensure that the installation has been properly carried out in line with the instructions and that it meets all legal requirements.

3. Transair pipe

Care should be taken to protect pipe against mechanical shocks – especially when close to the passage of forklift trucks or where suspended objects are being moved. Equally all excessive rotational movements, which could lead to disconnection, whether on the pipes or the supports, must be avoided. Transair's flexible hose must be used in accordance with the instructions in this brochure.

4. Contraction/Expansion

The performance of a Transair system is maintained when the effects of expansion or contraction are properly taken into account.

5. Assembling the components

To ensure proper installation, Transair's components are supplied with an Assembly Guide. The installer must follow with care the precise instructions as described in this guide as well as this brochure.

6 Supports

When suspending from a ceiling, Transair's pipe clips should be fixed to a support (U channel, cable tray, threaded rod, etc). This type of support ensures that the clips stay in alignment, which allows the pipe to expand and contract.

7. Observations

When using Transair, the following situations must be avoided:

- Installation within a solid mass (concrete, injected foam)
- The hanging of any external equipment to Transair pipe
- The use of Transair as an electric grounding, or to support electrical equipment
- Exposure to chemicals that are incompatible with Transair components. (Please contact us for further details.)

Pipe size	Length														Diameter in/c	
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"		
1/2"	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	2 - 10
3/4"	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	10 - 40
1"	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	40 - 110
1 1/4"	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	110 - 145
1 1/2"	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	145 - 180
2"	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	180 - 240
2 1/2"	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	240 - 300
3"	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	300 - 360
3 1/2"	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	360 - 420
4"	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	420 - 480
5"	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	480 - 540
6"	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	540 - 600

Values are for pressure of 115 psi, 5% pressure drop

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