

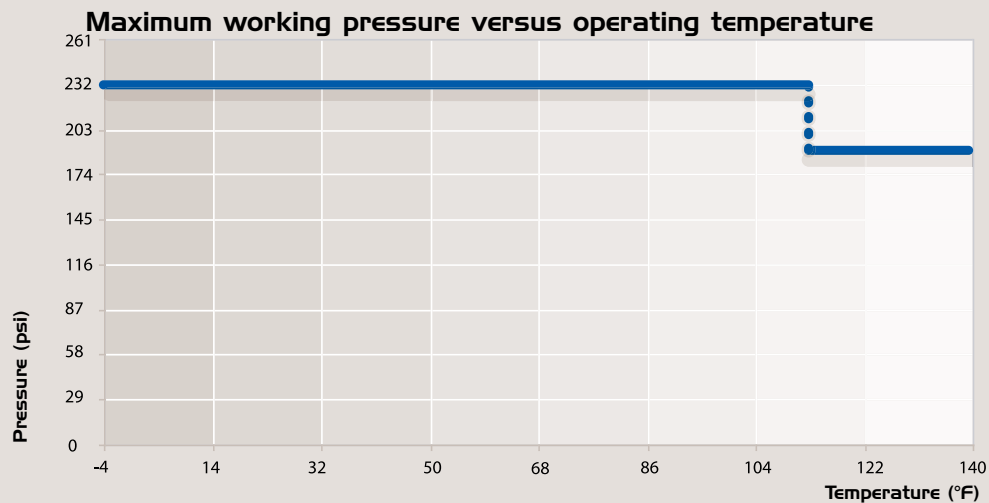
> Technical specifications

> Fluids

- Compressed air (dry, wet, lubricated)
- Vacuum
- Inert gases
- Other fluids: please consult us

> Maximum working pressure

188 psi from -4 °F to +140 °F
232 psi from -4 °F to +115 °F



> Vacuum level

98.7 % (29.6" Hg)

> Working temperature

from -4 °F to +140 °F

> Storage temperature

from -40 °F to +176 °F

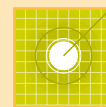
> Resistance to

- corrosion
- aggressive environments
- mechanical shocks
- thermal variations
- U.V.
- mineral compressor oils
- synthetic compressor oils
- compressor oil carry over

> Environment

Materials are 100% recyclable.
Transair pipe, fittings and valves are guaranteed silicone free.

> Sizing



Select the Transair diameter for your application based on required flow against pressure drop. *Estimated values for: a closed loop network, a pressure of 115 psi with 5% pressure drop.*

Flow rate			Length										Compressor (hp)
			164ft	328ft	492ft	984ft	1640ft	2460ft	3280ft	4265ft	5249ft	6561ft	
Nm ³ /h	NI/min	cfm	50m	100m	150m	300m	500m	750m	1000m	1300m	1600m	2000m	
10	167	6	16,5	16,5	16,5	16,5	16,5	16,5	16,5	25	25	25	2 - 10
30	500	18	16,5	16,5	16,5	25	25	25	25	25	25	40	
50	833	29	16,5	25	25	25	25	25	25	40	40	40	10 - 40
70	1167	41	25	25	25	25	40	40	40	40	40	40	
100	1667	59	25	25	25	40	40	40	40	40	40	63	
150	2500	88	25	40	40	40	40	40	40	63	63	63	
250	4167	147	40	40	40	40	63	63	63	63	63	63	40 - 100
350	5833	206	40	40	40	63	63	63	63	63	63	76	
500	8333	294	40	40	63	63	63	63	63	76	76	76	100 - 425
750	12500	441	40	63	63	63	63	76	76	76	76	100	
1000	16667	589	63	63	63	63	63	76	76	100	100	100	
1250	20833	736	63	63	63	63	63	100	100	100	100	100	> 425
1500	25000	883	63	63	63	76	76	100	100	100	100	100*	
1750	29167	1030	63	63	76	76	76	100	100	100	100*	100*	
2000	33333	1177	63	76	76	76	100	100	100	100*	100*	100*	
2500	41667	1471	63	76	76	76	100	100*	100*	100*	100*	100*	
3000	50000	1766	76	76	76	100	100	100*	100*	100*	100*	100*	
3500	58333	2060	76	76	100	100	100*	100*	100*	100*	100*	100*	
4000	66667	2354	76	100	100	100	100*	100*	100*	100*	100*	100*	
4500	75000	2649	76	100	100	100*	100*	100*	100*	100*	100*	100*	
5000	83333	2943	76	100	100	100*	100*	100*	100*	100*	100*	100*	
5500	91667	3237	100	100	100	100*	100*	100*	100*	100*	100*	100*	
6000	100000	3531	100	100	100*	100*	100*	100*	100*	100*	100*	100*	

*Pressure drop >5%

> Example

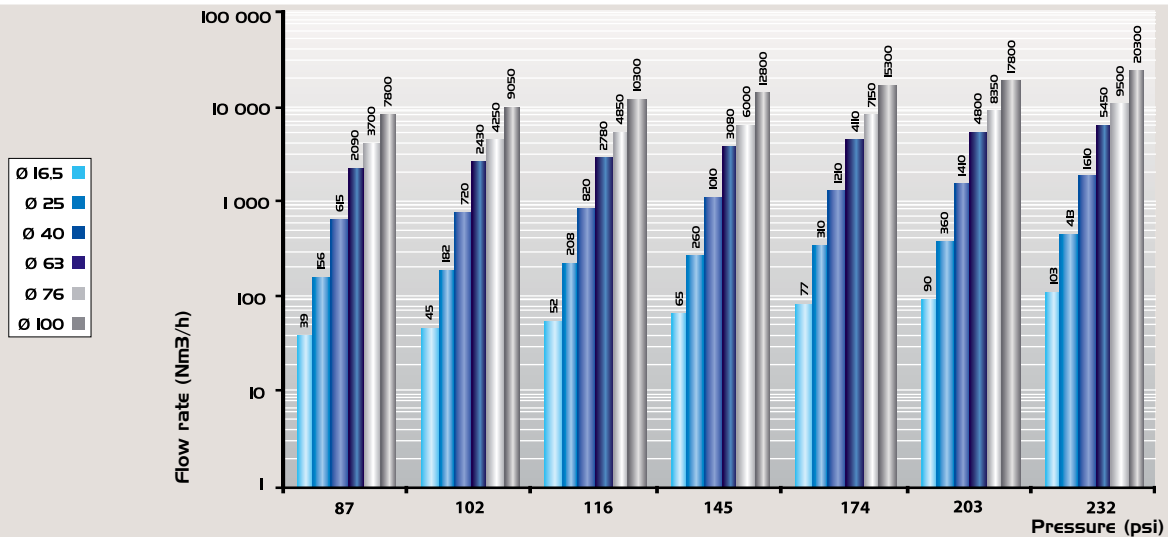
- Main network length (ring main): 984 ft
 - Compressor power: 40 hp
 - Required flow rate: 147 cfm
 - Working pressure: 115 psi
-
- *The most suitable Transair diameter is: Ø 40.*

To size your air pipework system, you can also use the Transair Flow Calculator. For more information, refer to page 5 of this catalog.

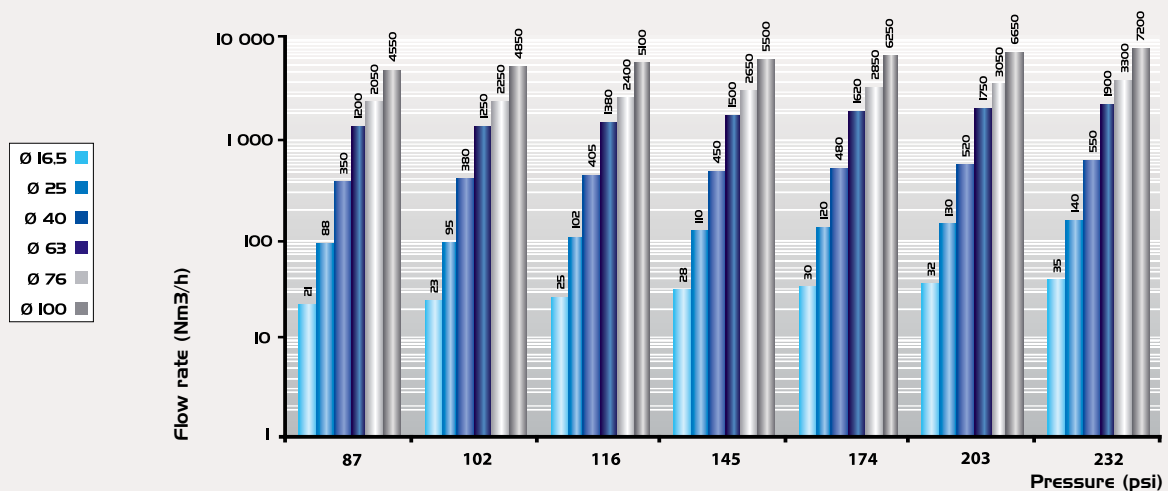
> Flow rates and pressure drop

Measurements provided by the official French testing body CETIM - Centre Technique des Industries Mecaniques. Charts are based on a 100 feet straight Transair line.

Maximum flow rate with 5% pressure drop (To convert to cfm, use a coefficient of 0.588.)



Maximum flow rate with 1.45 psi pressure drop. (To convert to cfm, use a coefficient of 0.588.)



> Safety

> Fire resistance

All Transair components are non-flammable with no propagation of flame.

- pipe-to-pipe and male connectors, ball valves and butterfly valves: conform to UL94HB standard
- fixture clips: conform to UL94V-2 standard
- flexible hoses: conform to ISO 8030 norm for compressed air applications and to EN 12115 norm for vacuum applications
- pipe powder coat finish classified M0

> Electrical conductivity

In areas of potential risk, the earthing and electrical continuity of metallic components are obligatory. The Transair system can be used in such environments by undertaking the appropriate precautions. For more information, please consult us.

> CE conformity

Transair conforms to European standard 97/23 CEE - §3.3 (equipment under pressure).



DECLARATION OF CE CONFORMITY Supplied in conformity with the **DIRECTIVE on EQUIPMENT UNDER PRESSURE** **97/23/CEE**

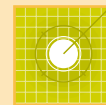
We hereby declare that all Transair connectors manufactured by LEGRIS S.A. should be considered as piping components which designed according to sound working practice. "Piping includes in particular a pipe or system of pipes, tubing, fittings, expansion joints, hoses, or other pressure-bearing components as appropriate" - cf acceptance by the «pressure working group» dated 28/01/1999 and by the GTP Commission dated 27/11/1998.

Products designed according to the code of practice.

Product description: Transair connectors \emptyset 16.5 - \emptyset 25 - \emptyset 40 - \emptyset 63 - \emptyset 76 - \emptyset 100

Applicable approvals: AFAQ Certificate of Approval, EN ISO 9001

> Certification and Guarantee



> Certification ISO 9001 version 2000



Legris S.A. is certified ISO 9001 version 2000 and operates a Quality Management System in order to ensure the level of quality and service that is expected by its customers.

> TÜV certification



A product certified TÜV is a pledge of safety and quality. The Group TÜV thus certifies independent test results – in particular, the properties of the products and the standards whereby they were examined.

> QUALICOAT certification



QUALICOAT certification is a guarantee of the quality of the lacquer finish applied to Transair aluminum pipe.

> ASME B31.1 > ASME B31.3



Transair meets the requirement of ASME B31.1 and B31.3. - which stipulates "the minimum requirements for the design, materials, fabrication, erection, test and inspection of power and auxiliary piping systems for industrial institutional plants".

**All TRANSAIR components
are guaranteed for 2 years.**



- TRANSAIR GUARANTEE -

Legris SA agrees to replace free of charge any Transair component which does not function due to a manufacturing or material defect, within a period of 2 years from the date of the installation.

The present guarantee is valid on condition that:

- Legris SA is given reasonable access to examine the products at issue.
- A material or an assembly defect in the fitting or other Transair component must be clearly and obviously identified.

Excluded from this guarantee, which is limited to the cost of product replacement, are defects outside the control of Legris SA, in particular:

- Defects resulting from shocks, vibrations or wear due to contact with any element external to the Transair® installation.
- Defects due to installation not complying with Legris SA's guidelines and recommendations.
- Defects due to an installation being used outside the technical limits defined by Legris SA.
- Defects caused by product modifications not approved in advance by Legris SA.

Claims under this Guarantee should be addressed in writing simultaneously to the distributor of the Transair® products concerned and to Legris SA, 74, rue de Paris, BP 70411 -35704 Rennes Cedex7 France, and its subsidiary

Site owner

Exact address

Number

Street Town / City

Post Code

Country

Building type:
 New
 Extension
 Modification

> Material

	Ø 16.5 - Ø 25 - Ø 40	Ø 63		Ø 76 - Ø 100
1013A	powder coated aluminum	powder coated aluminum	TA16	powder coated aluminum
1016A	powder coated aluminum	powder coated aluminum	TA16	powder coated aluminum
1001E air	hose and coating: black SBR reinforcement: synthetic braiding	hose and coating: black SBR reinforcement: synthetic braiding	EW05	seal: EPDM
1001E vacuum	hose and coating: black SBR / NBR reinforcement: spiral steel wire	hose and coating: black SBR / NBR reinforcement: spiral steel wire	FP01	hose and connector: black SBR/NBR reinforcement: spiral steel wire
4002	polyamide with fiberglass	body: polyamide with fiberglass nut: treated aluminum	RP01	body and pushing ring: polyamide with fiberglass - seal: NBR
4088 - 4099	body: treated brass nut: engineering grade plastic	-	RR01	clamp: treated steel cartridge: polyamide with fiberglass seal: NBR
Anti whip-lash strap	Steel			
6602 - 6604	polyamide with fiberglass	treated aluminum	RR61	
6605	body: treated brassnut: polymer HR / NBR	body: treated brass nut: treated aluminum / NBR	RX02	stainless steel 304
6606	polyamide with fiberglass	treated aluminum	RX12	stainless steel 304
6612	polyamide with fiberglass	treated aluminum	RX04	stainless steel 304
6621	treated aluminum	-	RX23	stainless steel 304
6625	polyamide with fiberglass	treated aluminum	RX24	stainless steel 304
6651	body: treated brass nut: polyamide with fiberglass	-	RX64	stainless steel 304
6663	body: polyamide with fiberglass insert: brass	body: polyamide with fiberglass insert: brass	RX66	stainless steel 304
6662	polyamide with fiberglass	polymère HR	RX30	stainless steel 304
6666	body: treated aluminum nut: polyamide with fiberglass	treated aluminum	VR02	body: iron disc and shaft: stainless steel
6676	polyamide with fiberglass	body: treated aluminum nut: polymer HR	VR03	nickel-plated brass
6683 - 6684	body: treated brass nut: polyamide with fiberglass	-	Bracket	zinc steel - rubber EPDM
6687 - 6688	treated brass	-	All Transair pipe, fittings and valves are guaranteed silicone free.	
EA98	body: treated iron ball valve: plated brass	-		
RA69	polyamide with fiberglass	-		
RA65	body: polyamide with fiberglass insert: brass	-		
Clip - Spacer	polyamide with fiberglass	polyamide with fiberglass		
0169 Adaptor	brass	-		
Composite coupler	body: polymer HR / Zamac - sleeve: polymer HR - spring and ball bearings: stainless steel - seal: nitrile - probe: treated steel			
Hose reel	metal case - fixing: metal			
Blowgun	reinforced polyamide - treated aluminum - insert brass			

> Transair Technology



The innovative technology of Transair enables rapid and easy assembly: quick connection of components to the aluminum pipe. This technology takes into account the specific requirements of each diameter and provides the user with an optimum safety coefficient and easy connection.

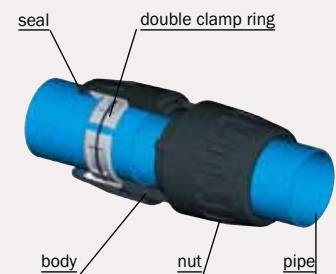
- > Ø 16.5 (1/2")
- > Ø 25 (7/8")
- > Ø 40 (1 1/2")

Pipe-to-pipe and male connectors in Ø 16.5, Ø 25 and Ø 40 can be immediately connected to Transair pipe - simply push the pipe into the connector up to the connection mark. The gripping ring of each fitting is then automatically secured and the connection is safe.



- > Ø 63 (2 1/2")

Pipe-to-pipe and male connectors in Ø 63 can be quickly connected to Transair aluminum pipe by means of a double clamp ring. This secures the connection between the nut and the pipe - tightening of the nuts secures the final assembly.



- > Ø 76 (3")
- > Ø 100 (4")

Pipe-to-pipe and male connectors in Ø 76 and Ø 100 can be quickly connected to Transair aluminum pipe. Position the pipes to be connected within the Transair cartridge and close/tighten the Transair clamp.

