



Transair: Advanced Pipe Systems

New 6" diameter for compressed air – vacuum – inert gases

- aerospace
- climate control
- electromechanical
- filtration
- fluid & gas handling
- hydraulics
- pneumatics
- process control
- sealing & shielding



ENGINEERING YOUR SUCCESS.

6" Transair aluminum pipe system for compressed air – vacuum – inert gases

A complete solution - pipe, connectors and accessories – for large projects, complementing existing 1/2" to 4" pipe sizes

A new size to meet market requirements

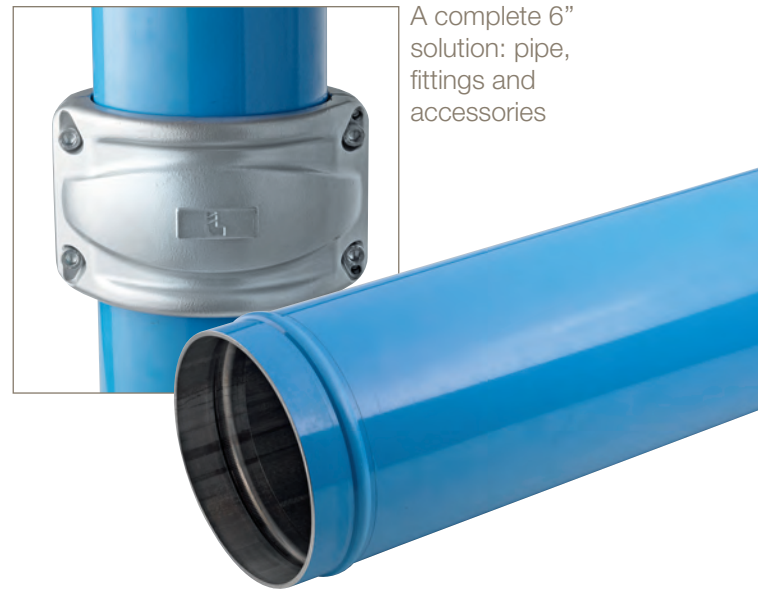
An increasing number of projects require the use of larger capacity pipe diameters up to 6".

- **Industrial buildings:** designed for compressed air systems that require high flow capacity such as the automotive industry, aeronautics, food processing, printing, cement production, etc.
- **Compressor rooms:** efficient connection to receivers or multiple high output compressors.
- **Vacuum systems:** centralized industrial vacuum systems.

A technology which combines all of Transair's advantages

- **A full range in aluminum:** aluminum pipe and fittings with nitrile seals.
- **Easy and reliable assembly:**
 - Pipe and fittings are supplied ready for immediate installation
 - Quick assembly

- **Completely removable and reusable:** components are adaptable for modular systems.
- **High resistance to:** corrosion, aggressive environments, mechanical shocks, thermal variations, ultraviolet (UV), compressor oil carry over. Suitable for both inside and outside use.
- **High quality pipe and components:** Transair pipe has a highly resistant protective powder coating and is QUALICOAT certified.
- Transair 6" is guaranteed to be silicone free.



Compatibility and specifications

Working pressure:

Compressed air (dry, wet, lubricated) and Inert gases (argon, nitrogen): working pressure 175 psi
Vacuum level: 97.8% (29.2" Hg)

Working temperature:

-4°F to + 140°F

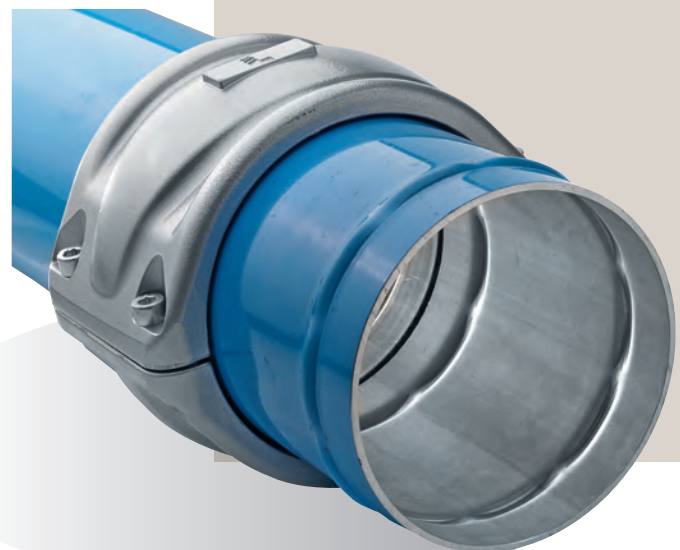


Transair 6" is an economical, reliable and efficient alternative to traditional steel systems

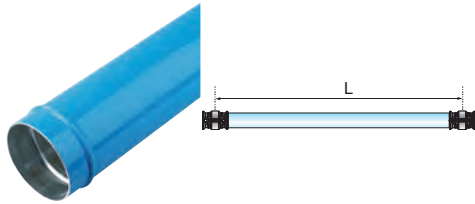
- **Lightweight:** significantly lighter for easier handling. A 20 ft length of Transair aluminum pipe weighs just 66 lbs, compared to 380 lbs for a 20 ft length of steel pipe. Installation times are reduced and there is no need to use additional handling equipment.
- **Improved flow capability:** the combination of the large internal diameter of 162 mm (6.4") and the smooth interior surface of Transair aluminum systems greatly enhances flow rates and reduces expensive pressure drops.
- **No corrosion, no leaks:** the absence of corrosion caused by moisture gives long-term protection against pressure drop and leaks.
- **Easier identification:** Transair aluminum pipe is prepainted blue for ease of immediate system identification.
- **Reduced assembly time and installation costs:** a Transair system is quick to connect and extend, with reduced down time and lower maintenance costs.
- **Greater overall savings:**
 - lower energy costs
 - reduced assembly times
 - easy installation
 - durability
 - maintenance free

An ecological product design

Transair has been specifically designed to ensure a lower impact on the environment. Life cycle analyses, from production of raw materials to end of product life, show that the use of six inch Transair is five times less harmful to the environment than a traditional steel pipe system.



A complete range of pipe, fittings and accessories



TA16 - Aluminum pipe

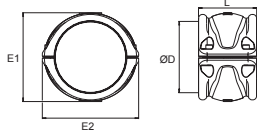
Transair	Ø ext. (mm)	Ø int. (mm)	DN	L (ft)	lbs
TA16 L8 04	168.3	161.3	150	20	64.84



FX01 - Flexible hose

Transair	D1 (mm)	D2 (mm)	L(ft)	mini bend radius (in)	lbs
FX01 L8 02	168	150	10.5	35.43	92.59

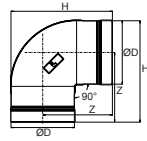
6698 99 07: anti whip-lash strap for flexible hose (length 2m)



RR01 - Connector

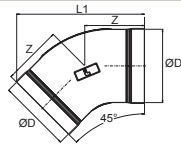
Transair	ØD	L	E1	E2	lbs
RR01 L8 00	168	139	212	230	5.67

Cartridge supplied with NBR seals



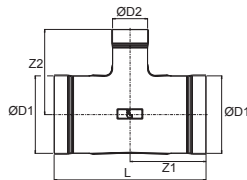
RA02 - 90° Elbow

Transair	ØD	H	Z	lbs
RA02 L8 00	168	269.2	185.0	6.77



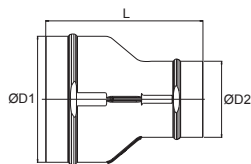
RA12 - 45° Elbow

Transair	ØD	L1	Z	lbs
RA12 L8 00	168	310.5	147.5	5.22



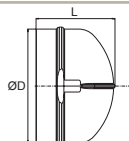
RA04 - Equal and reducing tee

Transair	ØD1	ØD2	L	Z1	Z2	lbs
RA04 L8 00	168	168	360	180	185	10.98
RA04 L8 L3	168	100	330	165	185	6.99
RA04 L8 L1	168	76	330	165	185	6.94
RA04 L8 63	168	63	330	165	220	6.83



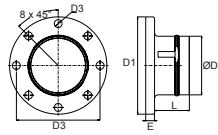
RA66 - Plug-in reducer

Transair	ØD1	ØD2	L	lbs
RA66 L8 L3	168	100	210	3.31
RA66 L8 L1	168	76	210	3.06



RA25 - End cap

Transair	ØD	L	lbs
RA25 L8 00	168	117	2.58



RA31 - ANSI flange

Transair	ØD	DN	D1	D2	D3	E	L	lbs
RA31 L8 00	168	150	279	240	22	25	100	7.56

Dimensions of the flange adapter conform to EN 1092 and ANSI B16.5 standards



EW05 - Flange gasket

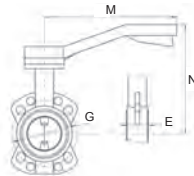
Transair	DN	D1	D2	E	lbs
EW05 L8 00	150	218	169	3	0.18



EW06 - Flange bolt kit

Transair	C	L	lbs
EW06 00 05	M20	80	4.41

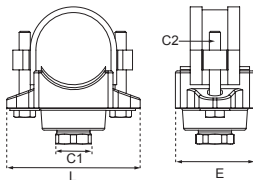
Kit contains 8 screws and 8 nuts



VR02 - Butterfly valve

Transair	ØD	DN	G	M	N	E	lbs
VR02 L8 00	168	150	240	300	290	56	24.91

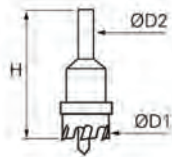
CE marked - NBR gasket - Delivered with 8x M20 bolts kit (bolt length:140mm)



RR63 - Quick assembly bracket

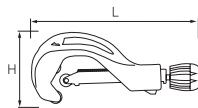
Transair	ØD	C1	C2	E	L	lbs
RR63 L8N12	168	1 1/2"	16	90	235	7.50
RR63 L8N16	168	2"	16	103	235	7.50

To drill the Transair pipe, use drill EW09



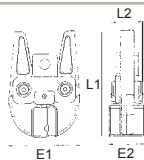
EW09 - Drilling tool

Transair	ØD1	ØD2	H	For quick assembly bracket	lbs
EW09 00 51	51	12	110	RR63 L8 12	0.73
EW09 00 64	64	12	110	RR63 L8 16	0.90



EW08 - Pipe cutter

Transair	ØD	L	H	lbs
EW08 00 03	168	600	300.0	4.41



EW02 - Jaws for portable tool

Transair	ØD	E1	E2	L1	L2	lbs
EW02 L8 00	168	103	71	154	46	6.17



ER01 - Fixing clip

Transair	ØD	C	lbs
ER01 L8 00	168	M8/M10	1.19

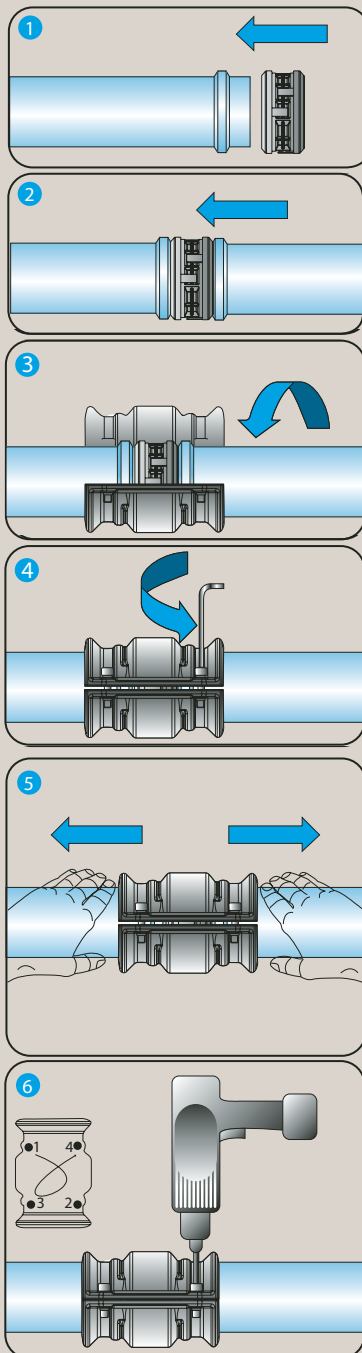
Assembly instructions

To cut and install Transair aluminum pipe

To cut the pipe, rotate a manual rigid pipe cutter. Ensure that the pipe is cut at a right angle with no more than 1% variation.

Deburr the pipe and use Transair jaws (EW02) to create the 10 lugs required for system assembly. (Do not overlap the lugs.)

Assembling the system:



Safety and Certifications



ISO 9001

Parker Legris is certified ISO 9001 v 2000 and respects the importance of having traceability for all Transair diameters, from 16.5mm up to and including 168mm. All Transair products thus have date marking to ensure the traceability of all production batches.



TUV Certification

TUV has certified the Transair product design and Parker Legris' quality assurance system, in line with European directive 97-23-CE.



Qualicoat Certification

Qualicoat certification is a guarantee of the quality of the powder coat finish applied to the 6" Transair aluminum pipe.



ASME B31.1 & ASME B31.3

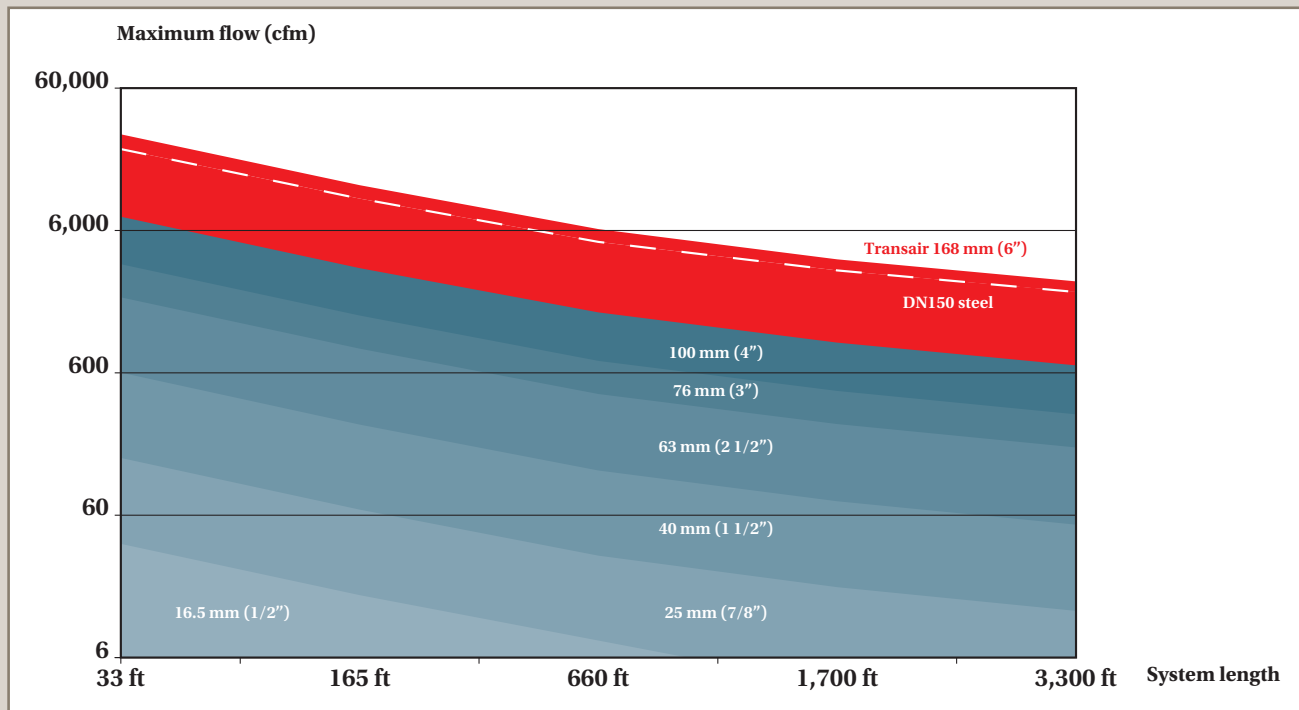
Transair meets the requirements of ASME B31.1 and B31.3, which stipulates "the minimum requirements for the design, materials, fabrication, erection, test and inspection of power and auxiliary piping systems for industrial institutional plants".



Transair system flow performance

The smooth interior surface of the Transair aluminum system provides flow performance that is guaranteed to be superior to that of a new traditional steel pipe system.

The diagram below indicates the maximum flow, at a pressure of 100 psi and with 5% pressure drop = 5 psi. For a 1,650 ft (500 m) system, maximum flow is 3,650 cfm for Transair 6", compared to just 3,060 cfm for traditional steel pipe (Sch. 40).



The Transair Flow Calculator, a tool to help you size your compressed air pipe system

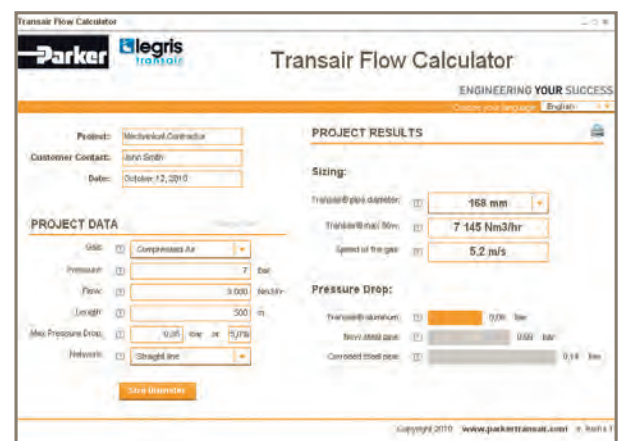
The Transair Flow Calculator is an easy and quick sizing aid.

To begin enter:

- the flow of your compressor
- the system pressure requirement
- the total length of the system

Your system is sized:

- with the most suitable diameter
- with an estimation of the pressure drop
- with a maximum flow rate



Available on www.parkertransair.com

Parker Worldwide

AE – UAE, Dubai

Tel: +971 4 8127100
parker.me@parker.com

AR – Argentina, Buenos Aires

Tel: +54 3327 44 4129

AT – Austria, Wiener Neustadt

Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt

Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AU – Australia, Castle Hill

Tel: +61 (0)2-9634 7777

AZ – Azerbaijan, Baku

Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles

Tel: +32 (0)67 280 900
parker.belgium@parker.com

BR – Brazil, Jacareí SP

Tel: +55 12 3954 5100

BY – Belarus, Minsk

Tel: +375 17 209 9399
parker.belarus@parker.com

CA – Canada, Milton, Ontario

Tel: +1 905 693 3000

CH – Switzerland, Etoy

Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CL – Chile, Santiago

Tel: +56 2 623 1216

CN – China, Shanghai

Tel: +86 21 2899 5000

CZ – Czech Republic, Klecany

Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst

Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup

Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid

Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa

Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve

Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens

Tel: +30 210 933 6450
parker.greece@parker.com

HK – Hong Kong

Tel: +852 2428 8008

HU – Hungary, Budapest

Tel: +36 1 220 4155
parker.hungary@parker.com

IE – Ireland, Dublin

Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IN – India, Mumbai

Tel: +91 22 6513 7081-85

IT – Italy, Corsico (MI)

Tel: +39 02 45 19 21
parker.italy@parker.com

JP – Japan, Tokyo

Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul

Tel: +82 2 559 0400

KZ – Kazakhstan, Almaty

Tel: +7 7272 505 800
parker.easteurope@parker.com

LV – Latvia, Riga

Tel: +371 6 745 2601
parker.latvia@parker.com

MX – Mexico, Apodaca

Tel: +52 81 8156 6000

MY – Malaysia, Shah Alam

Tel: +60 3 7849 0800

NL – The Netherlands, Oldenzaal

Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker

Tel: +47 66 75 34 00
parker.norway@parker.com

NZ – New Zealand, Mt Wellington

Tel: +64 9 574 1744

PL – Poland, Warsaw

Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira

Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest

Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow

Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga

Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SG – Singapore

Tel: +65 6887 6300

SK – Slovakia, Banská Bystrica

Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto

Tel: +386 7 337 6650
parker.slovenia@parker.com

TH – Thailand, Bangkok

Tel: +662 717 8140

TR – Turkey, Istanbul

Tel: +90 216 4997081
parker.turkey@parker.com

TW – Taiwan, Taipei

Tel: +886 2 2298 8987

UA – Ukraine, Kiev

Tel +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick

Tel: +44 (0)1926 317 878
parker.uk@parker.com

US – USA, Cleveland

Tel: +1 216 896 3000

VE – Venezuela, Caracas

Tel: +58 212 238 5422

ZA – South Africa, Kempton Park

Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

© 2010 Parker Hannifin Corporation. All rights reserved.



Parker Hannifin Corporation
Fluid System Connectors Division
7205 E. Hampton Ave.
Mesa, AZ 85209
phone 480 830 7764
fax 480 325 3571
www.parkertransair.com