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# Transair: Advanced Pipe Networks for Industrial Fluids

New products to assist the installation of a Transair system: compressed air, vacuum and neutral gases



ENGINEERING YOUR SUCCESS.

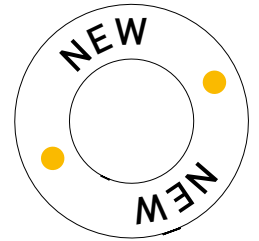
# New Products to Assist Installation

## Simplify installations and save time !

> The Transair system has an excellent reputation for its speed of installation, its flexibility in use, its robustness and its high flow performance. Constantly aware of customer needs, the Transair product development programme continues to meet the requirements of both installers and end users.

This new range of Transair components is designed to:

- simplify the installation process
- optimize the installation time
- increase the speed of connection
- optimize flow performance
- reduce space of connection



## New Product Ranges to Extend the Transair Offer

- **Wall brackets:**

A new design of wall brackets, offers a wide choice of designs to suit individual system requirements.

- **Wall brackets with ball valve:**

New wall brackets with pre-assembled ball valve make it easier to install a drop.

- **Threaded elbows:**

A range of threaded elbows replacing the need to assemble three separate components, saving time. These new threaded elbows make it easier to connect a Transair network to machines, even in a very tight space.



- **63mm 45° elbow:**

Designed to reduce pressure loss when changing direction.

- **Quick assembly brackets with integral ball valve:**

A "ready to use" quick assembly bracket to save time and hassle.

- **Manifolds:**

New manifolds provide more outlets and additional fixing points. These manifolds enable several machines to be connected to one single assembly.



# New Range of Wall Brackets

> The range of Transair wall brackets is now wider in order to meet the **specific requirements of each installation:**

- 1, 2 or 3 outlets, according to the number of connections required.
- Outlet angled horizontally or vertically according to user preference
- Compact solution with integrated ball valve for rapid installation and improved reliability

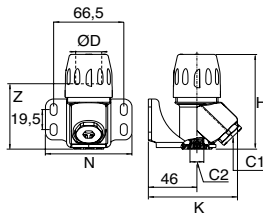
Transair now provides the widest range of wall brackets:

- Supplied **ready for use**. Quick and easy to install. Robust design.
- Compatible with Transair range accessories (same wall distance as FRLs)
- Designed for **optimal flow performance**

## Simple Wall Brackets

**6639**

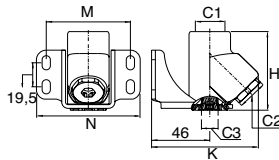
1 port 45° wall bracket - BSP parallel



ØD	Transair®	C1	C2	H	Z	K	N	kg
16,5	<b>6639 17 21</b>	G1/2	G1/4	89,5	63,5	84,5	82,0	0,528
25	<b>6639 25 21</b>	G1/2	G1/4	92,5	63,5	84,5	82,0	0,525

**6641**

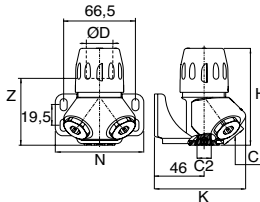
1 port 45° threaded wall bracket - BSP parallel



C1	Transair®	C2	C3	H	K	M	N	kg
G1/2	<b>6641 21 21</b>	G1/2	G1/4	64,0	84,5	66,5	82,0	0,480

**6682**

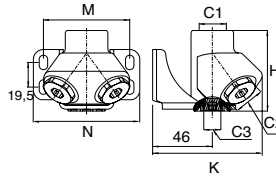
2 port 45° wall bracket - BSP parallel



ØD	Transair®	C1	C2	H	Z	K	N	kg
16,5	<b>6682 17 21</b>	G1/2	G1/4	89,5	63,5	84,5	82,0	0,669
25	<b>6682 25 21</b>	G1/2	G1/4	92,5	63,5	84,5	82,0	0,677

**6690**

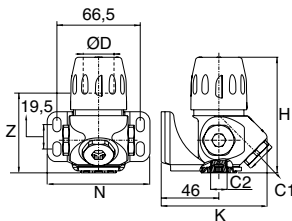
2 port 45° threaded wall bracket - BSP parallel



C1	Transair®	C2	C3	H	K	M	N	kg
G1/2	<b>6690 21 21</b>	G1/2	G1/4	64,0	84,5	66,5	82,0	0,632

**6695**

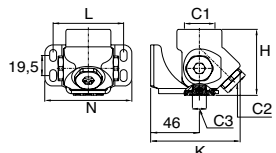
3 port wall bracket - BSP parallel



ØD	Transair®	C1	C2	H	Z	K	N	kg
25	<b>6695 25 21</b>	G1/2	G1/4	92,5	63,5	84,5	82,0	0,720

**6635**

3 port threaded wall bracket - BSP parallel



C1	Transair®	C2	C3	H	Z	K	N	kg
G3/4	<b>6635 27 21</b>	G1/2	G1/4	64,0	84,5	66,5	82,0	0,675

# Wall Brackets with Coupler

**6677** 1 port 45° wall bracket with coupler - BSP parallel



ØD	Transair®	Profil	mm	kg
16,5	6677 17 A1	ARO	5,5	0,661
16,5	6677 17 E4	EURO	7,2	0,664
16,5	6677 17 U1	ISO B	6	0,643
16,5	6677 17 U2	ISO B	8	0,668
25	6677 25 A1	ARO	5,5	0,658
25	6677 25 E4	EURO	7,2	0,661
25	6677 25 U1	ISO B	6	0,640
25	6677 25 U2	ISO B	8	0,665

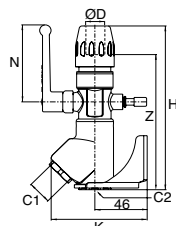
**6692** 2 port 45° wall bracket with coupler - BSP parallel



ØD	Transair®	Profil	mm	kg
16,5	6692 17 A1	ARO	5,5	0,802
16,5	6692 17 E4	EURO	7,2	0,805
16,5	6692 17 U1	ISO B	6	0,784
16,5	6692 17 U2	ISO B	8	0,809
25	6692 25 A1	ARO	5,5	0,943
25	6692 25 E4	EURO	7,2	0,949
25	6692 25 U1	ISO B	6	0,907
25	6692 25 U2	ISO B	8	0,957

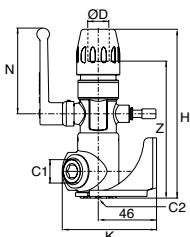
# Wall Brackets with Ball Valve

**6678** 1 port 45° wall bracket with ball valve - BSP parallel



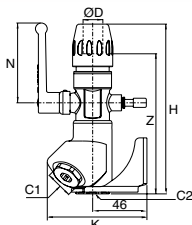
ØD	Transair®	C1	C2	H	Z	K	N	kg
16,5	6678 17 21	G1/2	G1/4	148,5	123,0	84,5	69,5	0,869
25	6678 25 21	G1/2	G1/4	173,0	142,0	84,5	108,5	1,530

**6672** 2 port 90° wall bracket with ball valve - BSP parallel



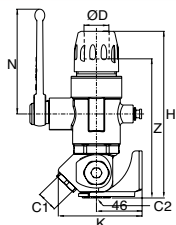
ØD	Transair®	C1	C2	H	Z	K	N	kg
16,5	6672 17 21	G1/2	G1/4	137,0	111,5	74,5	69,5	0,798
25	6672 25 21	G1/2	G1/4	163,0	132,0	74,5	108,5	1,458

**6693** 2 port 45° wall bracket with ball valve - BSP parallel



ØD	Transair®	C1	C2	H	Z	K	N	kg
16,5	6693 17 21	G1/2	G1/4	148,5	123,0	84,5	69,5	1,011
25	6693 25 21	G1/2	G1/4	173,0	142,0	84,5	108,5	1,675

**6637** 3 port wall bracket with ball valve - BSP parallel



ØD	Transair®	C1	C2	H	Z	K	N	kg
25	6637 25 21	G1/2	G1/4	173,0	142,0	84,5	108,5	1,734

# New Range of Threaded Elbows

> **Transair threads** are well recognized for their robustness and reliability, enabling connection to an existing network and many types of machinery.

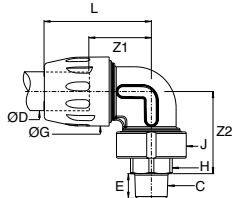
Transair threaded elbows save time during installation and replace the need for three separate components saving space in restricted work areas.

• The wide range of Transair threaded elbows meets the requirements of each installation:

- **Several thread sizes** are available for each pipe diameter
- 90° and 45° elbows reduce pressure drops
- A compact solution allowing connection in reduced spaces
- **Orientable sub-base** allowing final positioning after installation
- Brass sub-base ensuring a **rigid and reliable connection**

**6609**

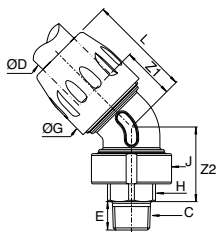
Male threaded 90° elbow - BSP taper



ØD	C	Transair®	E	H	ØG	ØJ	L	Z1	Z2	kg
16,5	R1/4	<b>6609 17 13</b>	9,5	17	34,0	34,0	58,0	31,0	41,2	0,104
16,5	R1/2	<b>6609 17 21</b>	15,0	23	34,0	34,0	58,0	31,0	46,5	0,133
25	R1/2	<b>6609 25 21</b>	15,0	27	44,5	45,5	69,5	40,5	53,0	0,223
25	R3/4	<b>6609 25 27</b>	15,0	27	44,5	45,5	69,5	40,5	53,0	0,238
25	R1"	<b>6609 25 34</b>	16,0	36	44,5	45,5	69,5	40,5	55,0	0,295
40	R1"	<b>6609 40 34</b>	16,0	41	67,0	68,5	107,0	62,0	75,0	0,646
40	R1"1/4	<b>6609 40 42</b>	21,5	50	67,0	68,5	107,0	62,0	81,0	0,792
40	R1"1/2	<b>6609 40 49</b>	24,5	50	67,0	68,5	107,0	62,0	81,0	0,754
40	R2"	<b>6609 40 48</b>	23,0	60	67,0	68,5	107,0	62,0	81,0	0,869
63	R2"	<b>6609 63 48</b>	20,0	70	91,0	91,0	124,0	61,0	104,0	1,452
63	R2"1/2	<b>6609 63 47</b>	25,0	80	91,0	91,0	124,0	61,0	106,0	1,831

**6619**

Male threaded 45° elbow - BSP taper



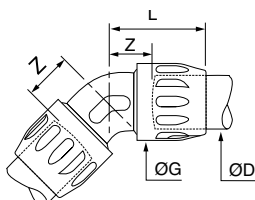
ØD	C	Transair®	E	H	ØG	ØJ	L	Z1	Z2	kg
25	R1/2	<b>6619 25 21</b>	15,0	27	44,5	45,5	61,5	32,5	42,0	0,217
25	R3/4	<b>6619 25 27</b>	15,0	27	44,5	45,5	61,5	32,5	42,0	0,228
25	R1"	<b>6619 25 34</b>	16,0	36	44,5	45,5	61,5	32,5	44,0	0,285
40	R1"	<b>6619 40 34</b>	16,0	41	67,0	68,5	94,0	45,0	58,5	0,609
40	R1"1/4	<b>6619 40 42</b>	21,5	50	67,0	68,5	94,0	45,0	64,0	0,754
40	R1"1/2	<b>6619 40 49</b>	24,5	50	67,0	68,5	94,0	45,0	64,0	0,717
40	R2"	<b>6619 40 48</b>	23,0	60	67,0	68,5	94,0	45,0	64,0	0,832

## New 63mm 45° Elbow

> 45° elbows are increasingly used to reduce pressure drops when changing level or when creating a bypass. Transair now offers a 63mm version in cast aluminium, with the same robust design as the 90° version.

**6612**

45° elbow



ØD	Transair®	ØG	L	Z	kg
63	<b>6612 63 00</b>	91,0	100,0	61,0	0,920



# Quick Assembly Brackets with Pre-Assembled Ball Valve

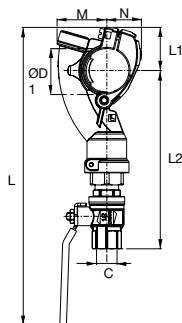
> Transair brought innovation by inventing the quick assembly bracket with an integrated swan neck. This has now become the reference for modern evolutionary compressed air networks. Transair quick assembly brackets have evolved with several designs: instant connection, threaded or coupler, straight through or without retention of water. Taper threaded quick assembly brackets, used for connection points, are also available with an integral ball valve.

Pre-assembled ball valves offer several benefits:

- Ready for use and immediate pressurization
- Pre-positioned to suit the direction of the bracket
- Reliable sealing ; no need for separate checks

**6669**

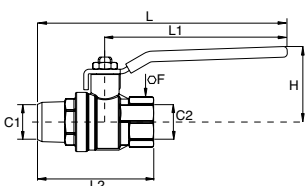
Quick assembly bracket with pre-assembled ball valve - BSP parallel



ØD1	C	Transair®	L	L1	L2	M	N	kg
25	G1/2	<b>6669 25 21</b>	256	32,0	155	40,0	23,0	0,430
40	G1/2	<b>6669 40 21</b>	270	39,0	162	45,0	31,0	0,450
40	G3/4	<b>6669 40 27</b>	302	39,0	174	45,0	31,0	0,620
63	G1/2	<b>6669 63 21</b>	275	63,0	142	60,0	48,0	0,670
63	G3/4	<b>6669 63 27</b>	297	63,0	146	60,0	48,0	0,780

**VR04**

Male-Female ball valve - male BSP taper



C1	C2	Transair®	DN	P <sub>max</sub> (bar)	F	H	L	L1	L2	kg
R1/2	G1/2	<b>VR04 00 04</b>	15,0	40	25	43,0	139	99	70,0	0,230
R3/4	G3/4	<b>VR04 00 06</b>	20,0	40	31	50,0	164	120	76,5	0,360

## New Range of Manifolds

> Transair manifolds are robust and reliable, simplifying the installation of a network:

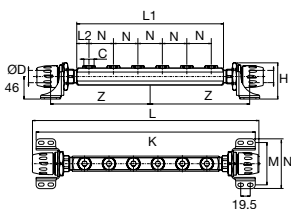
- on a secondary system, to supply several machines
- on a drop, in order to reduce the number of wall brackets
- on a machine, to create a rigid supply point

The use of manifolds on a compressed air network brings several advantages:

- They are easier and quicker to install than 6 quick assembly brackets or 3 wall brackets
- Orientable outlets, even when installed
- Fixing plates with strong resistance to traction

**6652**

6 port manifold - BSP parallel

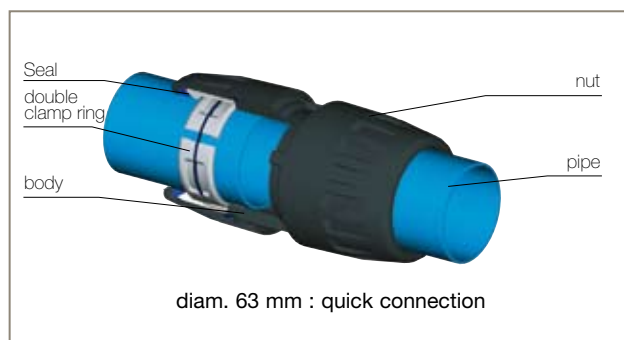
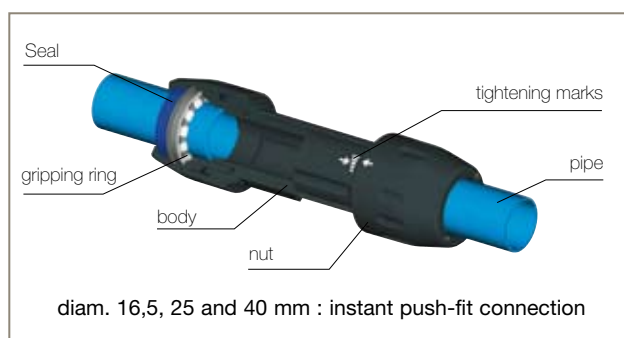


ØD	C	Transair®	L	L1	L2	K	N	Z	H	M	kg
25	G1/2	<b>6652 25 21 06</b>	463	300	25	448	50	204	74	86,5	0,230
40	G1/2	<b>6652 40 21 06</b>	526	310	25	469	50	217	83	104,5	0,360

# Transair: a Simple and Reliable Solution

- A solution specifically adapted for compressed air, vacuum and neutral gases networks.
- A simple and efficient connection technology
- Dismountable and reusable components
- Robust and reliable design
- Optimized energy saving performance characteristics
- 100% quality control of sealing capability
- Components guaranteed for 10 years

## Technical Specifications



<b>Suitable fluids</b>	- Compressed air (dry, wet, lubricated) - Inert gases (argon, nitrogen) - Vacuum
<b>Working pressure</b>	- maximum 16 bar to +45°C - maximum 13 bar to +60°C - minimum 13 mbar (vacuum 98,7%)
<b>Working temperature</b>	- from -20°C to +60°C
<b>Resistance to</b>	- corrosion - aggressive environments - mechanical shocks - thermal variations - U.V.
<b>Materials</b>	- Fittings body : high resistance polymer or aluminium - Sub-bases : brass - Seals : NBR
<b>Standards</b>	- PED 93/23 CE – TÜV

## Instructions for Use

> Like all Transair products, these new products are for use exclusively **with Transair rigid aluminium calibrated pipe**, available in 3 colours : blue, grey and green (QUALICOAT certified surface finish).

- **Threaded elbows diameter 16,5, 25 and 40 mm:**
  - 16,5, 25 and 40mm diameter threaded elbows can be orientated manually during installation, prior to pressurization.
  - When mounting a tapered sub-base : PTFE sealant, fluoropolymer tape or a sealing compound should be applied to the thread, in order to ensure a leak-free connection.
- **63mm threaded elbows:**
  - 63mm diameter threaded elbows cannot be repositioned after assembly since the orientation is secured when tightening the thread.
  - Use a spanner to tighten the connector (do not rotate the aluminium pipe).
  - When assembling a tapered sub-base : PTFE sealant or tape, or a sealing compound should be applied to the thread in order to guarantee a perfect seal.
  - The body of the aluminium elbow must be fully screwed into position.
  - The mark on the sub-base should be in-line with the mark on the body (white arrow).
  - Similar to all 63mm fittings, please check that the double clamp ring is properly positioned on the pipe before tightening the connection nut.
- **Wall brackets with pre-assembled ball valve:**
  - The ball valve can be orientated, unlike the wall bracket. Please note that it is easier to orientate when the network is not pressurized.
  - Position the fixing clip on the tube just above the ball valve in order to avoid tube deformation due to impact from the ball valve handle.
- **Manifolds with fixing plates:**
  - The manifold can be orientated in order to position the outlets in the required direction. Once the manifold has been positioned the nut should be tightened with a spanner.

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