
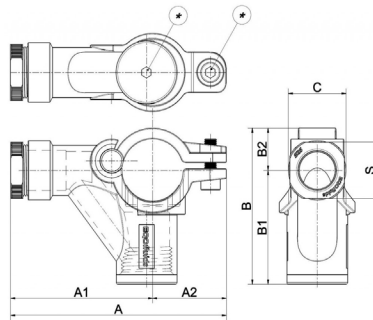


# EQOair PN40 Aluminium Branch Drop

Branch	Part Number	Ø	A	A1	A2	B	B1	B2	C	S	gr.
	89.830.025.020	25x20	113,0	76,5	36,5	70,0	52,5	17,5	33,0	29,0	158,0
	89.830.032.020	32x20	126,0	83,5	42,5	81,0	59,5	21,5	33,0	29,0	187,0
	89.830.040.020	40x20	142,0	94,0	48,0	100,0	73,0	27,0	38,0	29,0	338,0
	89.830.040.025	40x25	143,0	95,0	48,0	100,0	73,0	27,0	38,0	36,0	307,0
	89.830.050.020.	50x20	150,0	94,5	55,5	112,0	80,5	31,5	38,5	29,0	378,0
	89.830.050.025	50x25	150,0	94,5	55,5	112,0	80,5	31,5	38,5	36,0	349,0
	89.830.063.020	60x20	172,0	108,0	64,0	131,5	92,0	39,5	38,0	29,0	540,0
	89.830.063.025	63x25	174,0	110,0	64,0	131,5	92,0	39,5	38,0	36,0	500,0



## Technical Details

	<b>EQOair</b>										
Standard Colour	RAL 5012										
Max Working Pressure	16 bar										
Plant Testing Pressure 1 hour at 20°C	24 bar										
Quality Testing Pressure 1 hour at 20°C	72 bar										
Production tested percentage	1%										
O.Ring & Lip Gasket Material	NBR 65/75 S.A										
Continuous Service Temperature Limit	-30°C - 120°C										
Aluminium Pipe Mechanical Resistance	According to EN-755-2/2008 standards										
Pipe Material	Aluminium alloy EN AW 6060 - T5 according to EN 755-2/2008										
Pipe Thickness mm	Tube lenght tolerance +0 -0,1%										
Aluminium Fittings Material	Aluminium Alloy EN Aw 6061 T6 / ENAB 42000										
Clamp Ring Material	AISI 304 Stainless Steel										
Threads Standards	BSPT - British standard pipe taper - ISO 7-1										
Pipe Surface treatment	Polyester resin coated										

## Components



1. Cap Nut
2. Identification Ring
3. Clamping Ring
4. O-Ring
5. Offtake Piece
6. Plug & O-Ring
7. Bottom Piece
8. Hexagon Head Socket Cap Screw
9. Washer
10. Gasket

## Preparation

Verify the integrity of the pipe section to be inserted in the fitting.

Any scratches on the paint, if not deep, can be eliminated using 300-600 fine emery paper.

Deep dents/scratches can be eliminated only by changing the branch position or by replacing the pipe section.

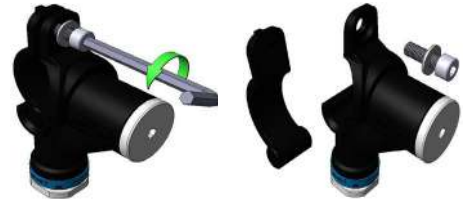
Verify the correct positioning of the components inside the fitting.

Fittings are supplied assembled and they have to be disassembled for the installation.

In case of accidental disassembly, check the correct assembly diagram and the position of all components as per the assembly figure above.

# Branch Drop Assembly

Remove the screw and separate the two pieces by sliding them apart.



Place the top piece the pipe, close to its final position then slide the bottom piece into place aligning the screw holes.



Tighten the screw, but do not full tighten it, slide the branch into its intended final position.



Fully tighten the screw.



Remove the plug.



Use a hole saw to create a hole in the pipe wall the size of the offtake diameter.

4□ = Ø19(3/4")



Eliminate the burr after sawing and carefully clean out any residue due to this operation.



Replace and fully tighten the plug.



# Preperation

Verify the integrity of the pipe section to be inserted in the fitting.  
Any scratches on the paint, if not deep, can be eliminated using 300-600 fine emery paper.  
Deep dents/scratches can be eliminated only by changing the branch position or by replacing the pipe section.

When necessary, cut the pipe with a neat 90° cut. Carefully deburring the internal and external sharp resulting edges and make an external bevel of 2-4 mm length with a 30° taper.

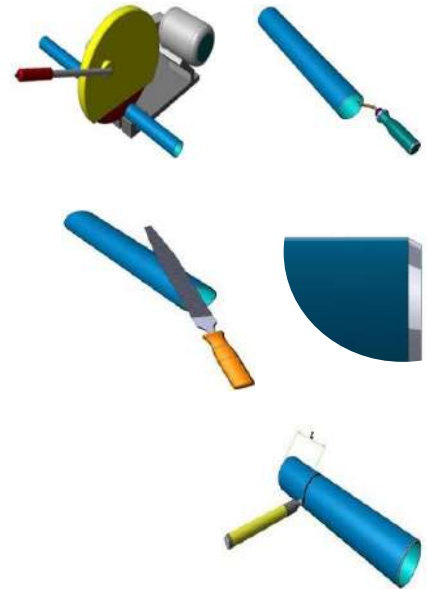
All pipe supplied should be deburred internally, externally and beveled.

Mark the pipe so to have a reference for its correct insertion into the fitting to make sure it exceeds the gasket.

The table below shows the correct reference lengths.

DN	20	25	32	40	50	63	90
L(mm)	35	38	49	60	76	96	93

Lubricate the marked pipe section.

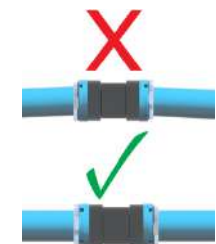


## Assembly (DN20 - DN90)

Loosen the nut until the clamp ring is loose.



Ensure the pipe and fittings are parallel to each other.



Insert the pipe into the fitting up to align the reference mark with the external nut surface.



Tighten the nut by hand. In this case, the water tightness and axial clamping are ensured.



## Assembly (DN110 - DN160)

Loosen the bolts of the fitting.

Ensure the pipe and fittings are parallel to each other.

Insert the pipe into the fitting up to align the reference mark with the external blocking ring surface.

Tighten all the bolts at a torque value of 15 N/m.

