



09  
2021

# AIRnet Aluminium Component List

PF SERIES 20 MM – 50 MM (3/4" – 2")

AIRnet partnumber	Description	Reference Group
2811 1000 10	Blue pipe (RAL 5012) · Straight pipe	001
2811 1063 10	Blue pipe (RAL 5012) · Straight pipe	001
2811 2000 10	Blue pipe (RAL 5012) · Straight pipe	001
2811 2063 10	Blue pipe (RAL 5012) · Straight pipe	001
2811 4000 05	Blue pipe (RAL 5012) · Straight pipe	001
2811 4063 05	Blue pipe (RAL 5012) · Straight pipe	001
2811 5000 04	Blue pipe (RAL 5012) · Straight pipe	001
2811 5063 04	Blue pipe (RAL 5012) · Straight pipe	001
2811 1061 05	Green pipe (RAL 6018 ) · Straight pipe	002
2811 2061 05	Green pipe (RAL 6018 ) · Straight pipe	002
2811 1067 05	Blue pipe (RAL 5012) · S-bend	003
2811 2067 05	Blue pipe (RAL 5012) · S-bend	003
2811 1001 12	Spare Parts · Nut (including all inner parts)	004
2811 2001 12	Spare Parts · Nut (including all inner parts)	004
2811 4001 12	Spare Parts · Nut (including all inner parts)	004
2811 5001 12	Spare Parts · Nut (including all inner parts)	004
2811 0008 80	Reducing Tees · ISO 228	005 (*)
2811 0009 80	Reducing Tees · NPT	005 (*)
2811 1002 80	Equal Socket	005
2811 1003 80	Elbow 90°	005
2811 1004 80	Elbow 45°	005
2811 1005 80	Equal Tee	005
2811 1006 80	End Cap	005
2811 1008 80	Reducing Tees · ISO 228	005 (*)
2811 1009 80	Reducing Tees · NPT	005 (*)
2811 1113 80	Adaptor Union Socket ISO 228 Female	005 (*)
2811 1114 80	Adaptor Union Socket NPT Female	005 (*)
2811 2002 80	Equal Socket	005
2811 2003 80	Elbow 90°	005
2811 2004 80	Elbow 45°	005
2811 2005 80	Equal Tee	005
2811 2006 80	End Cap	005
2811 2008 80	Reducing Tees · ISO 228	005 (*)
2811 2009 80	Reducing Tees · NPT	005 (*)
2811 2108 80	Reducing Tees · ISO 228	005 (*)
2811 2109 80	Reducing Tees - NPT	005 (*)

AIRnet partnumber	Description	Reference Group
2811 2121 80	Reduction Socket	005
2811 2213 80	Adaptor Union Socket ISO 228 Female	005 (*)
2811 2214 80	Adaptor Union Socket NPT Female	005 (*)
2811 4002 80	Equal Socket	005
2811 4003 80	Elbow 90°	005
2811 4004 80	Elbow 45°	005
2811 4005 80	Equal Tee	005
2811 4006 80	End Cap	005
2811 4208 80	Reducing Tees · ISO 228	005 (*)
2811 4209 80	Reducing Tees · NPT	005 (*)
2811 4221 80	Reduction Socket	005 (*)
2811 4413 80	Adaptor Union Socket ISO 228 Female	005 (*)
2811 4414 80	Adaptor Union Socket NPT Female	005 (*)
2811 5002 80	Equal Socket	005
2811 5003 80	Elbow 90°	005
2811 5004 80	Elbow 45°	005
2811 5005 80	Equal Tee	005
2811 5006 80	End Cap	005
2811 5421 80	Reduction Socket	005
2811 5513 80	Adaptor Union Socket ISO 228 Female	005 (*)
2811 5514 80	Adaptor Union Socket NPT Female	005 (*)
2811 2107 80	Reducing Tees · AIRnet	006
2811 4107 80	Reducing Tees · AIRnet	006
2811 4207 80	Reducing Tees · AIRnet	006
2811 5107 80	Reducing Tees · AIRnet	006
2811 5207 80	Reducing Tees · AIRnet	006
2811 5208 80	Reducing Tees · ISO 228	006 (*)
2811 5209 80	Reducing Tees · NPT	006 (*)
2811 5407 80	Reducing Tees · AIRnet	006
2811 1017 80	Nipple Socket ISO 7-R Male · Aluminium	007
2811 1018 80	Nipple Socket NPT Male · Aluminium	007
2811 1117 80	Nipple Socket ISO 7-R Male · Aluminium	007
2811 1118 80	Nipple Socket NPT Male · Aluminium	007
2811 2117 80	Nipple Socket ISO 7-R Male · Aluminium	007
2811 2118 80	Nipple Socket NPT Male · Aluminium	007

AIRnet partnumber	Description	Reference Group
2811 2217 80	Nipple Socket ISO 7-R Male · Aluminium	007
2811 2218 80	Nipple Socket NPT Male · Aluminium	007
2811 4317 80	Nipple Socket ISO 7-R Male · Aluminium	007
2811 4318 80	Nipple Socket NPT Male · Aluminium	007
2811 4417 80	Nipple Socket ISO 7-R Male · Aluminium	007
2811 4418 80	Nipple Socket NPT Male · Aluminium	007
2811 5417 80	Nipple Socket ISO 7-R Male · Aluminium	007
2811 5418 80	Nipple Socket NPT Male · Aluminium	007
2811 5517 80	Nipple Socket ISO 7-R Male · Aluminium	007
2811 5518 80	Nipple Socket NPT Male · Aluminium	007
2811 1051 81	Ball Valve + spacer	008
2811 1152 81	Ball Valve ISO 228 Female + spacer	008
2811 1153 81	Ball Valve NPT Female + spacer	008
2811 2051 81	Ball Valve + spacer	008
2811 2252 81	Ball Valve ISO 228 Female + spacer	008
2811 2253 81	Ball Valve NPT Female + spacer	008
2811 4051 81	Ball Valve + support	008
2811 4452 81	Ball Valve ISO 228 Female + support	008
2811 4453 81	Ball Valve NPT Female + support	008
2811 5051 81	Ball Valve + support	008
2811 5552 81	Ball Valve ISO 228 Female + support	008
2811 5553 81	Ball Valve NPT Female + support	008
2811 0019 80	Adapter Union Kit ISO 228 Female	009
2811 0020 80	Adapter Union Kit NPT Female	009
2811 1019 80	Adapter Union Kit ISO 228 Female	009
2811 1020 80	Adapter Union Kit NPT Female	009
2811 2019 80	Adapter Union Kit ISO 228 Female	009
2811 2020 80	Adapter Union Kit NPT Female	009
2811 2119 80	Adapter Union Kit ISO 228 Female	009
2811 2120 80	Adapter Union Kit NPT Female	009
2811 4219 80	Adapter Union Kit ISO 228 Female	009
2811 4220 80	Adapter Union Kit NPT Female	009
2811 5419 80	Adapter Union Kit ISO 228 Female	009
2811 5420 80	Adapter Union Kit NPT Female	009
2811 5519 80	Adapter Union Kit ISO 228 Female	009
2811 5520 80	Adapter Union Kit NPT Female	009



AIRnet partnumber	Description	Reference Group
2811 0025 80	Wall Mounted Nipple ISO 7-R Male x ISO 228 Female	010
2811 0026 80	Wall Mounted Nipple NPT Male x NPT Female	010
2811 1023 80	Wall Mounted Nipple ISO 228 Female	010
2811 1024 80	Wall Mounted Nipple NPT Female	010
2811 1025 80	Wall Mounted Nipple ISO 7-R Male x ISO 228 Female	010
2811 1026 80	Wall Mounted Nipple NPT Male x NPT Female	010
2811 2023 80	Wall Mounted Nipple ISO 228 Female	010
2811 2024 80	Wall Mounted Nipple NPT Female	010
2810 0191 00	Conductivity Strap	011 (*)
2811 1002 90	Conductivity Strip · Equal Socket	011
2811 1003 90	Conductivity Strip · Elbow 90°	011
2811 1004 90	Conductivity Strip · Elbow 45°	011
2811 1005 90	Conductivity Strip · Equal Tee	011
2811 2003 90	Conductivity Strip · Elbow 90°	011
2811 2004 90	Conductivity Strip · Elbow 45°	011
2811 2005 90	Conductivity Strip · Equal Tee	011
2811 4002 90	Conductivity Strip · Equal Socket	011
2811 4003 90	Conductivity Strip · Elbow 90°	011
2811 4004 90	Conductivity Strip · Elbow 45°	011
2811 4005 90	Conductivity Strip · Equal Tee	011
2811 5002 90	Conductivity Strip · Equal Socket	011
2811 5003 90	Conductivity Strip · Elbow 90°	011
2811 5004 90	Conductivity Strip · Elbow 45°	011
2811 5005 90	Conductivity Strip · Equal Tee	011
2811 0076 00	Hexagon Nipples ISO 7-R Male	012
2811 0077 00	Hexagon Nipples NPT Male	012
2811 0078 00	Sockets ISO 228 Female	012
2811 0079 00	Sockets NPT Female	012
2811 1176 00	Hexagon Nipples ISO 7-R Male	012
2811 1177 00	Hexagon Nipples NPT Male	012
2811 1178 00	Sockets ISO 228 Female	012
2811 1179 00	Sockets NPT Female	012
2811 2276 00	Hexagon Nipples ISO 7-R Male	012
2811 2277 00	Hexagon Nipples NPT Male	012
2811 2278 00	Sockets ISO 228 Female	012
2811 2279 00	Sockets NPT Female	012

AIRnet partnumber	Description	Reference Group
2811 3378 00	Sockets ISO 228 Female	012
2811 3379 00A	Sockets NPT Female	012
2811 4476 00	Hexagon Nipples ISO 7-R Male	012
2811 4477 00	Hexagon Nipples NPT Male	012
2811 4478 00	Sockets ISO 228 Female	012
2811 4479 00	Sockets NPT Female	012
2811 5576 00	Hexagon Nipples ISO 7-R Male	012
2811 5577 00	Hexagon Nipples NPT Male	012
2811 5578 00	Sockets ISO 228 Female	012
2811 5579 00	Sockets NPT Female	012
2811 2065 10	Spare part seal quickdrop	013
2811 4065 10	Spare part seal quickdrop	013
2811 6065 10	Spare part seal quickdrop	013
2811 2011 80	Quickdrop ISO 228 Female	014 (*)
2811 2012 80	Quickdrop NPT Female	014 (*)
2811 2110 80	Quickdrop	014
2811 4011 80	Quickdrop ISO 228 Female	014 (*)
2811 4012 80	Quickdrop NPT Female	014 (*)
2811 4110 80	Quickdrop	014
2811 4111 80	Quickdrop ISO 228 Female	014 (*)
2811 4112 80	Quickdrop NPT Female	014 (*)
2811 4210 80	Quickdrop	014
2811 5011 80	Quickdrop ISO 228 Female	014 (*)
2811 5012 80	Quickdrop NPT Female	014 (*)
2811 5110 80	Quickdrop	014
2811 5111 80	Quickdrop ISO 228 Female	014 (*)
2811 5112 80	Quickdrop NPT Female	014 (*)
2811 5210 80	Quickdrop	014
2811 6011 80	Quickdrop ISO 228 Female	014 (*)
2811 6012 80	Quickdrop NPT Female	014 (*)
2811 6110 80	Quickdrop	014
2811 6111 80	Quickdrop ISO 228 Female	014 (*)
2811 6112 80	Quickdrop NPT Female	014 (*)
2811 6210 80	Quickdrop	014
2811 7011 80	Quickdrop ISO 228 Female	014 (*)
2811 7012 80	Quickdrop NPT Female	014 (*)

AIRnet partnumber	Description	Reference Group
2811 7110 80	Quickdrop	014
2811 7111 80	Quickdrop ISO 228 Female	014 (*)
2811 7112 80	Quickdrop NPT Female	014(*)
2811 7210 80	Quickdrop	014
2811 1022 20	Pipe Clip · Metric nut	015
2811 1122 20	Pipe Clip · UNC nut	015 (*)
2811 2022 20	Pipe Clip · Metric nut	015
2811 2122 20	Pipe Clip · UNC nut	015 (*)
2811 4022 20	Pipe Clip · Metric nut	015
2811 4122 20	Pipe Clip · UNC nut	015 (*)
2811 5022 20	Pipe Clip · Metric nut	015
2811 5122 20	Pipe Clip · UNC nut	015 (*)
2811 0027 10	Pipe Clip Spacer · Polymer	016
2811 0127 10	Pipe Clip Spacer · Polymer	016
2811 0072 00	Pipe Clip Adaptor Bolt · Metric to Metric	017
2811 0172 00	Pipe Clip Adaptor Bolt · UNC to UNC	017
2811 1264 10	Valve spacer	018
2811 4064 00	Valve support	019
2811 5064 00	Valve support	019
2810 1055 00	Hose · ISO 228 Female · Straight end	020
2810 1057 00	Hose · NPT Female · Straight end	020
2810 1155 00	Hose · ISO 228 Female · Straight end	020
2810 1157 00	Hose · NPT Female · Straight end	020
2810 2055 00	Hose · ISO 228 Female · Straight end	020
2810 2057 00	Hose · NPT Female · Straight end	020
2810 2155 00	Hose · ISO 228 Female · Straight end	020
2810 2157 00	Hose · NPT Female · Straight end	020
2810 4055 00	Hose · ISO 228 Female · Elbow end	020
2810 4057 00	Hose · NPT Female · Elbow end	020
2810 4155 00	Hose · ISO 228 Female · Straight end	020
2810 4157 00	Hose · NPT Female · Straight end	020
2810 5055 00	Hose · ISO 228 Female · Elbow end	020
2810 5057 00	Hose · NPT Female · Elbow end	020
2810 5155 00	Hose · ISO 228 Female · Straight end	020
2810 5157 00	Hose · NPT Female · Straight end	020

## Reference Group 001-106

### 001 Blue pipes (RAL 5012) · Straight

**Material:** Aluminium alloy - EN AW-6060 T6 acc. EN755-2  
**Treatment:** Outside: polyester powder paint RAL5012  
 Inside: chrome free conversion treatment  
**Specifications:** Max. working pressure: 16 bar(g)  
 Vacuum level: 0.013 bar(a)  
 Max. working temperature: 80 °C  
 Min. working temperature: -20 °C  
**Duty:** Compressed air / nitrogen / vacuum piping

### 002 Green pipes (RAL 6018 ) · Straight

**Material:** Aluminium alloy - EN AW-6060 T6 acc. EN755-2  
**Treatment:** Outside: polyester powder paint RAL6018  
 Inside: chrome free conversion treatment  
**Specifications:** Max. working pressure: 16 bar(g)  
 Vacuum level: 0.013 bar(a)  
 Max. working temperature: 80 °C  
 Min. working temperature: -20 °C  
**Duty:** Compressed air / nitrogen / vacuum piping

### 003 Blue pipes (RAL 5012) · S-bend

**Material:** Aluminium alloy - EN AW-6060 T6 acc. EN755-2  
**Treatment:** Outside: polyester powder paint RAL5012  
 Inside: chrome free conversion treatment  
**Specifications:** Max. working pressure: 16 bar(g)  
 Vacuum level: 0.013 bar(a)  
 Max. working temperature: 80 °C  
 Min. working temperature: -20 °C  
**Duty:** Compressed air / nitrogen / vacuum piping from main line to drop line

### 004 Nut Assemblies

**Material:** Grip ring: Stainless steel EN10088 X10CrNi18-8  
 C1400 nr.1.4310  
 O-ring: NBR 70 Sh A Black  
 Seal: NBR 70 Sh A (treat.: PTFE coating pink)  
 Nut casting: PA6 - GF30  
 Push ring: PA6 - GF30  
 Seal ring: PA6 - GF30  
**Specifications:** Max. working pressure: 16 bar(g)  
 Vacuum level: 0.013 bar(a)  
 Max. working temperature: 80° C  
 Min. working temperature: -20° C  
**Duty:** Prevent loosening of pipes and leakages

### 005 Fittings (excluding those specified in separate groups)

**Material:** Nut assemblies: See component 004  
 Body: PA6 - GF30  
**Specifications:** Max. working pressure: 16 bar(g)  
 Vacuum level: 0.013 bar(a)  
 Max. working temperature: 80 °C  
 Min. working temperature: -20 °C  
**Duty:** Connect pipes  
 Convert AIRnet to threaded connection (Female ISO 228 / NPT)

(\*) Includes adapter union kit: See component 009

### 106 Reducing Tees

**Material:** Nut assemblies: See component 004  
 Body: PA6 - GF30  
**Specifications:** Max. working pressure: 13 bar(g) at 80°C  
 Max. working pressure: 16 bar(g) at 60°C  
 Vacuum level: 0.013 bar(a)  
 Min. working temperature: -20 °C  
**Duty:** Connect pipes  
 Convert AIRnet to threaded connection (Female ISO 228 / NPT)

(\*) Includes adapter union kit: See component 009



## Reference Group 007-013

### 007 Nipple Sockets

<b>Material:</b>	Body: Aluminium high pressure die casting EN AC-46100 acc. EN1706 Nut assembly: See component 004
<b>Treatment:</b>	Normal anodized 10±5µm + long seal
<b>Specifications:</b>	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
<b>Duty:</b>	Convert AIRnet to threaded connection (Male ISO 7-R / NPT)

### 008 Ball Valves

<b>Material:</b>	Nut assemblies: See component 004 Body: Sand blasted CW617N (EN12165) Seat: PTFE Ball: Chrome plated CW617N (EN12165) End cap: Unplated CW617N (EN12165) Stem O-ring: Nickel plated CW617N (EN12164) O-ring valve: FPM Valve spacer 20/25: see component 018 Valve support 40/50: see component 019
<b>Specifications:</b>	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
<b>Duty:</b>	Connect pipes, isolate part of compr. air network

### 009 Adapter Union Kits

<b>Material:</b>	Body: Wrought aluminium alloy – artificially aged EN AW-ALSi1MgMn (EN 755-2 EN AW-6082) O-ring: NBR 70 Sh A Black
<b>Treatment:</b>	ISO 228 Normal anodized 10±5µm + long seal NPT Black anodized 10±5µm + long seal
<b>Specifications:</b>	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
<b>Duty:</b>	Convert AIRnet fitting to threaded fitting (Female ISO 228 / NPT)

### 010 Wall Mounted Nipples

<b>Material:</b>	Nut assemblies: See component 004 Body: Sand blasted CW617N (EN12165) Bracket: EN 10152 DC03 Drain: CW617N (EN12164) Drain o-ring: FPM Drain pin: AISI 301 EN 1.4310
<b>Treatment:</b>	Body: Black nickel plated Bracket: Black hot-zinc plated
<b>Specifications:</b>	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
<b>Duty:</b>	Connect AIRnet pipes to multiple standard female threads ISO 228 / NPT, drain point

### 011 Conductivity Accessories

<b>Material:</b>	Stainless steel EN10088 X10CrNi18-8 C1400 nr.1.4310
<b>Duty:</b>	Create an equipotential bond between 2 pipes

(\* Mat. Stainless steel grade 304 for this part nr.

### 012 Connection Parts

<b>Material:</b>	Brass MS 58
<b>Specifications:</b>	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
<b>Duty:</b>	Connect standard threads ISO 7-R / ISO 228 / NPT

### 013 Quickdrop seals

<b>Material:</b>	NBR 70 Sh A Black
<b>Specifications:</b>	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
<b>Duty:</b>	Sealing between main line and quick drop

## Reference Group 014-020

### 014 Quickdrops

**Material:** Nut assemblies: See component 004  
 Body: PA6 - GF30  
 Washer: Steel (treat.: FZB)  
 Pin : Non-alloyed structural steel (treat.: FZB)  
 O-ring / seal: See component 013  
 Bolt: Steel, class 8.8 (treat.: FZB)  
 Spring pin: Soft annealed spring

**Specifications:** steel Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a)  
 Max. working temperature: 60° C  
 Min. working temperature: -20° C

**Duty:** Create dropline from the main compressed air line

(\* Adapter union kit: see component 009)

### 015 Pipe clips

**Material:** Clip: PPC copolymer  
 Nut: Steel, class 5, treatment FZB

**Specifications:** Max. working temperature: 70° C  
 Min. working temperature: -20° C  
 Max. load D20: 1 kg / clip  
 Max. load D25: 1,1 kg / clip  
 Max. load D40: 2,4 kg / clip  
 Max. load D50: 3,25 kg / clip

**Duty:** Mount pipes to walls/ceilings

(\* Treatment black zinc electroplated for UNC nuts)

### 016 Polymer pipe clip spacer

**Material:** PPC copolymer

**Specifications:** Max. working temperature: 70° C  
 Min. working temperature: -20° C

**Duty:** Align with other diameters at same center-to-wall distance

### 017 Pipe clip adapter bolt

**Material:** Steel EN 10277-3, 1.0715

**Treatment:** Zinc plated

**Specifications:** Max. working temperature: 70° C  
 Min. working temperature: -20° C

**Duty:** Convert M6 to M8, convert to 3/8" UNC

### 018 Valve spacer

**Material:** PE-HD

**Specifications:** Max. working temperature: 70° C  
 Min. working temperature: -20° C

**Duty:** Install valve on same center-to-wall distance

### 019 Valve support

**Material:** Structural, non-alloyed steel

**Treatment:** EN10025 Grey powder paint

**Specifications:** Max. working temperature: 70° C  
 Min. working temperature: -20° C

**Duty:** Secure valves to the wall / ceiling

### 020 Hoses

**Material:** Hose: 3TE 2336  
 Coupling (elbow / straight): structural steel  
 1.0037 Gasket: DIN EN1514-1 form IBC Klingersil

**Treatment:** Coupling: zinc electroplated

**Specifications:** Max. working temperature: 100° C  
 Min. working temperature: -40° C

**Duty:** Expansion loops



Preserving the power of air

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