

The AIRNET logo is positioned in the upper right corner of the page. It features the word "AIRNET" in a bold, white, sans-serif font. The letter "A" is stylized with a triangular shape at its top. The background of the entire page is a photograph of an industrial facility, likely a power plant or refinery, with large metal structures, pipes, and walkways. The scene is dimly lit, with some light reflecting off surfaces. Overlaid on the image are several horizontal, glowing blue and cyan light trails that create a sense of motion and depth, extending from the left side towards the right.

AIRNET

09
2021

AIRnet Aluminium Component List

PM Series D63 - D80

AIRnet partnumber	Description	Comment	Reference Group
2811 6000 00	Blue pipe (RAL 5012) – straight pipe		101
2811 6061 00	Green pipe (RAL 6018) – straight pipe		101
2811 6062 00	Grey pipe (RAL 7001) – straight pipe		101
2811 6066 03	Blue pipe (RAL 5012) – straight pipe		101b
2811 7000 00	Blue pipe (RAL 5012) – straight pipe		101
2811 7061 00	Green pipe (RAL 6018) – straight pipe		101
2811 7062 00	Grey pipe (RAL 7001) – straight pipe		101
2811 7066 02	Blue pipe (RAL 5012) – straight pipe		101b
2810 6065 10	Spare parts - o-rings		102
2810 7065 10	Spare parts - o-rings		102
2811 6002 90	Equal Socket		103
2811 6003 90	Elbow 90°		103
2811 6004 90	Elbow 45°		103
2811 6005 90	Equal Tee		103
2811 6006 90	End Cap		103
2811 6407 90	Reducing Tees · AIRnet		103
2811 6507 90	Reducing Tees · AIRnet		103
2811 6508 90	Reducing Tees · ISO 228		103
2811 6509 90	Reducing Tees · NPT		103
2811 6517 90	Nipple Socket ISO 7-R Male		103
2811 6518 90	Nipple Socket NPT Male		103
2811 6521 90	Reduction Socket		103
2811 6617 90	Nipple Socket ISO 7-R Male		103
2811 6618 90	Nipple Socket NPT Male		103
2811 6054 90	Flange · DIN standard		103
2811 7002 90	Equal Socket		103
2811 7003 90	Elbow 90°		103
2811 7004 90	Elbow 45°		103
2811 7005 90	Equal Tee		103
2811 7006 90	End Cap		103
2811 7407 90	Reducing Tees · AIRnet		103
2811 7507 90	Reducing Tees · AIRnet		103
2811 7607 90	Reducing Tees · AIRnet		103
2811 7608 90	Reducing Tees · ISO 228		103
2811 7708 90	Reducing Tees · ISO 228		103
2811 7609 90	Reducing Tees · NPT		103

AIRnet partnumber	Description	Comment	Reference Group
2811 7617 90	Nipple Socket ISO 7-R Male		103
2811 7618 90	Nipple Socket NPT Male		103
2811 7621 90	Reduction Socket		103
2811 7717 90	Nipple Socket ISO 7-R Male		103
2811 7718 90	Nipple Socket NPT Male		103
2811 7054 90	Flange · DIN standard		103
2811 6613 90	Adaptor Union Socket ISO 228 Female		105
2811 6614 90	Adaptor Union Socket NPT Female		105
2811 7713 90	Adaptor Union Socket ISO 228 Female		105
2811 7714 90	Adaptor Union Socket NPT Female		105
2811 6519 90	Adapter Union Kit ISO 228 Female		106
2811 6520 90	Adapter Union Kit NPT Female		106
2811 7619 90	Adapter Union Kit ISO 228 Female		106
2811 7620 90	Adapter Union Kit NPT Female		106
2811 7719 90	Adapter Union Kit ISO 228 Female		106
2811 7720 90	Adapter Union Kit NPT Female		106
2811 6462 80	Pipe end adaptor D63-D40		107
2811 7462 80	Pipe end adaptor D80-D40		107
2811 7562 80	Pipe end adaptor D80-D50		107
2811 6154 90	Flange · ANSI standard		109
2811 7154 90	Flange · ANSI standard		109
2811 6051 90	Butterfly Valve		110
2811 7051 90	Butterfly Valve		110
2811 6652 90	Butterfly Valve ISO 228 Female		110
2811 6653 90	Butterfly Valve NPT Female		110
2811 7752 90	Butterfly Valve ISO 228 Female		110
2811 7753 90	Butterfly Valve NPT Female		110
2811 6022 20	Pipe Clip · Metric nut		111
2811 6122 20	Pipe Clip · UNC nut		111
2811 7022 20	Pipe Clip · Metric nut		111
2811 7122 20	Pipe Clip · UNC nut		111
2811 0227 10	Pipe Clip Spacer · Polymer		112
2810 0227 10	Pipe Clip Spacer · Steel		113
2811 0272 00	Pipe Clip Adaptor Bolt · UNC to UNC		114
2810 0006 38	Flange Support / Valve support		115
2810 0007 38	Flange Support / Valve support		115

AIRnet partnumber	Description	Comment	Reference Group
0650 0100 16	Flat gasket		116
0650 1001 27	Flat gasket		116
2810 6155 00	Hose · Straight · Flanged		117
2810 6055 00	Hose · Elbow · Flanged		117
2810 7155 00	Hose · Straight · Flanged		117
2810 7055 00	Hose · Elbow · Flanged		117
2810 0055 01	Protection strap anti-whiplash		118

Reference Group 101-105

101 Pipes · Straight

(*) Colour see the partnumber RAL code

Material:	Aluminium alloy - EN AW-6060 T6 acc. EN755-2
Treatment:	Outside: polyester powder paint 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

101b Pipes · Straight

(*) Colour see the partnumber RAL code

Material:	Aluminium alloy, similar to EN AW-6063 T5 acc.
Treatment:	EN755-2 (*) Chinese market only
Specifications:	Outside: polyester powder paint Inside: chrome free conversion treatment 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

102 Spare parts · Nut assembly / seal ring / O-ring

Material	Push ring: PA6 - GF30 Slip ring: PA6 - GF30 Grip ring: Stainless steel EN10088 X10CrNi18-8 C1400 nr.1.4310 Nut: Aluminium high pressure die cast EN AC-43400 acc. EN1706 O-ring: NBR 70 Sh A ($\rho = 1,235 \text{ g/cm}^3$)
Treatment:	Nut: cathoporesis KTL (black)
Specifications:	Max. working pressure: 16 bar(g) Max. working temperature: 80 °C Vacuum level: 0.013 bar(a) Min. working temperature: -20 °C
Duty:	Insert into the fitting and prevent loosening of pipes and leakages

103 Fittings (excluding those specified in separate groups)

Duty:	
Material:	Bodies: Aluminium high pressure die cast EN AC-43400 acc. EN1706 Nut assembly: see group reference 102 Seal ring / O-ring: see group reference 102
Treatment:	Bodies: cathoporesis KTL (black) Nut assembly: see group reference 102
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 (Male ISO 7-R / NPT, Female ISO 228 / NPT)

(+) AIRnet PF D40 / D50 side: see 9845 0247 00

(°) Glue: Loctite 577 / Loctite 55

(*) Includes adapter union kit, see group reference 106

105 Adapter Union Sockets

Duty:	Union parts ISO228: see group reference 106 Union parts NPT: see group reference 106 Seal ISO228: NBR 70 Sh A Seal NPT: PTFE socket: see group reference 103
Treatment:	Union parts: see group reference 106 socket: see group reference 103 Glue: loctite 577
Specifications:	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80 °C Min. working temperature: -20 °C
Duty:	Convert AIRnet to threaded connection (Female ISO 228 / NPT), easy disassembly for service

Reference Group 106-111

106 Adapter Union Kits

Material:	Wrought aluminium alloy – artificially aged EN AW-ALMgSiBi (EN 755-2 EN AW-6026) O-ring: See group reference 102
Treatment:	Normal anodized 10 µm
Specifications:	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
Duty:	convert AIRnet to threaded connection (Female ISO 228 / NPT)

(* NPT threaded parts are black anodized)

107 Pipe End Adaptors

Material:	Wrought aluminium alloy – artificially aged T6 EN AW-ALMgSiBi (EN 755-2 EN AW-6026)
Treatment:	cataphoresis KTL (black)
Specifications:	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
Duty:	Pipe end adaptors: insert in fitting to reduce to a smaller size

109 ANSI Flanges

Material:	Flange: acc. ASME B16.5 CL150, ASTM A105 Nipple socket: see group reference 103
Treatment:	Flange: zinc electroplated Nipple socket: see group reference 103 Glue: loctite 577
Specifications:	Max. working pressure: 16 bar(g) Vacuum level: 0.016 bar(a) Max. working temperature: 80° C Min. working temperature: -20° C
Duty:	Connect AIRnet to standard flange

(* Compatible with bolt pattern DIN PN6 for vacuum pumps)

110 Butterfly Valves

Material:	AIRnet flanges: see group reference 108 Washers: steel ISO 7089 16-200 HV Nuts: Steel, class 8 Bolts: Steel, class 8.8 Butterfly valve: body GGG-50 / valve CF8M / seat and O-rings NBR / spindle AISI410 / bushing PTFE / handle Zamak
Treatment:	AIRnet flanges: see group reference 108 Bolts & washers: electro galvanized bright chrome (FZB) Valve body: blue powder coating
Specifications:	Max. working pressure: 16 bar(g) Vacuum level: 0.013 bar(a) Max. working temperature: 80° C Min. working temperature: -10° C
Duty:	Connect pipes, isolate part of compr. air network

(°) Flange ISO228: acc. DIN PN16, steel 1.0460 zinc electroplated

(* Flange NPT: see flange group reference 108)

111 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 D63: 4,25 kg / clip Max. load D80: 7,5 kg / clip
Duty:	Mount pipes to walls/ceilings

(* Treatment black zinc electroplated for UNC nuts)

Reference Group 112-118

112 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

113 Metal Pipe Clip Spacer

Material: Unalloyed steel
Treatment: Grey powder paint
Specifications: Max. working temperature: 70° C
 Min. working temperature: -20° C
Duty: Align with valve / flange supports
 Align with other diameters at same center-to-wall distance

114 Pipe Clip Adapter Bold

Material: Steel EN 10277-3, 1.0715
Treatment: Zinc plated
Specifications: Max. working temperature: 70° C
 Min. working temperature: -20° C
Duty: Convert to 3/8" UNC

115 Flange Support / Valve Support

Material: Structural, non-alloyed steel EN10025
Treatment: Grey powder paint
Specifications: Max. working temperature: 70° C
 Min. working temperature: -20° C
Duty: Secure flanges / valves to the wall / ceiling

116 Flat Gasket

Material: asbestos free natural graphite with steel core
Specifications: Max. working temperature: 80° C
 Min. working temperature: -10° C
Duty: Assemble flanges

117 Hose

Material: Hose: 3TE 2336
 Coupling (elbow / straight): structural steel 1.0037
 Swivel flange: structural steel 1.0037, bolt pattern DIN PN10/16
 Gasket: DIN EN1514-1 form IBC Klingersil
Treatment: Coupling / flange: zinc electroplated
Specifications: Max. working temperature: 100° C
 Min. working temperature: -40° C
Duty: Expansion loops

118 Protection Strap Anti-whiplash

Material: Galvanized steel with aluminium sleeves
Specifications: Max. working temperature: 100° C
 Min. working temperature: -40° C
Duty: Secure hoses



Preserving the power of air

www.airnet-system.com