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Test certificate

**Validation according ISO 8573-1: 2010 Part 1:
Contaminants and purity classes, AIRnet Stainless Steel piping system**

Tests regarding the contribution of the AIRnet Stainless Steel piping system to the oil vapor and organic solvent content in compressed air according to ISO 8573-5:2001 were witnessed.

Witnessed tests have shown that the quality of the compressed air after a set-up made out of the complete range of Airnet components can be considered as

Class 0 according to ISO 8573-1:2010

measured according to ISO 8573-5:2001 if the intake air fulfills these requirements as well.

This certificate is only valid for the single components which are specified in annex 1

i. V.



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Annex 1.1

Test certificate

Validation according ISO 8573-1: 2010 Part 1:

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Components included

www.airnet-system.com

AIRnet partnumber	Description	Reference Group
2812 1000 07	Pipe - 15mm	401
2812 2000 03	Pipe - D28mm	401
2812 3000 02	Pipe - D35mm	401
2812 4000 00	Pipe - D42mm	401
2812 5000 00	Pipe - D54mm	401
2812 6000 14	Pipe - D76mm	401
2812 7000 09	Pipe - D89mm	401
2812 8000 09	Pipe - D108mm	401
2812 1001 07	Pipe - D15mm	402
2812 2001 03	Pipe - D28mm	402
2812 4001 00	Pipe - D42mm	402
2812 1004 00	Elbow 45° - D15mm	402
2812 2004 00	Elbow 45° - D28mm	402
2812 3004 00	Elbow 45° - D35mm	402
2812 4004 00	Elbow 45° - D42mm	402
2812 5004 00	Elbow 45° - D54mm	402
2812 6004 00	Elbow 45° - D76mm	402
2812 7004 00	Elbow 45° - D89mm	402
2812 8004 00	Elbow 45° - D108mm	402
2812 1003 00	Elbow 90° - D15mm	402
2812 2003 00	Elbow 90° - D28mm	402
2812 3003 00	Elbow 90° - D35mm	402
2812 4003 00	Elbow 90° - D42mm	402
2812 5003 00	Elbow 90° - D54mm	402
2812 6003 00	Elbow 90° - D76mm	402
2812 7003 00	Elbow 90° - D89mm	402
2812 8003 00	Elbow 90° - D108mm	402
2812 1005 00	Equal Tee - D15mm	402
2812 2005 00	Equal Tee - D28mm	402
2812 3005 00	Equal Tee - D35mm	402
2812 4005 00	Equal Tee - 42mm	402
2812 5005 00	Equal Tee - 54mm	402

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Validation according ISO 8573-1: 2010 Part 1:
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Components included

2812 6005 00	Equal Tee - 76mm	402
2812 7005 00	Equal Tee - 89mm	402
2812 8005 00	Equal Tee - 108mm	402
2812 2107 00	Reducing Tees - AIRnet - D28xD15mm	402
2812 3207 00	Reducing Tees - AIRnet - D35xD28mm	402
2812 4307 00	Reducing Tees - AIRnet - D42xD35mm	402
2812 5407 00	Reducing Tees - AIRnet - D54xD42mm	402
2812 6507 00	Reducing Tees - AIRnet - D76xD54mm	402
2812 7607 00	Reducing Tees - AIRnet - D89xD76mm	402
2812 8707 00	Reducing Tees - AIRnet - D108xD89mm	402
2812 1008 00	Reducing Tees - ISO 228 - D15x1/2"	402
2812 2108 00	Reducing Tees - ISO 228 - D28x3/4"	402
2812 3108 00	Reducing Tees - ISO 228 - D35x3/4"	402
2812 4108 00	Reducing Tees - ISO 228 - D42x3/4"	402
2812 5108 00	Reducing Tees - ISO 228 - D54x3/4"	402
2812 6108 00	Reducing Tees - ISO 228 - D76x3/4"	402
2812 7108 00	Reducing Tees - ISO 228 - D89x3/4"	402
2812 8108 00	Reducing Tees - ISO 228 - D108x3/4"	402
2812 1009 00	Reducing Tees - NPT - D15x1/2"	402
2812 2109 00	Reducing Tees - NPT - D28x3/4"	402
2812 3109 00	Reducing Tees - NPT - D35x3/4"	402
2812 4109 00	Reducing Tees - NPT - D42x3/4"	402
2812 5109 00	Reducing Tees - NPT - D54x3/4"	402
2812 6109 00	Reducing Tees - NPT - D76x3/4"	402
2812 7109 00	Reducing Tees - NPT - D89x3/4"	402
2812 8109 00	Reducing Tees - NPT - D108x3/4"	402
2812 1002 00	Equal Socket - D15mm	402
2812 2002 00	Equal Socket - D28mm	402
2812 3002 00	Equal Socket - D35mm	402
2812 4002 00	Equal Socket - D42mm	402
2812 5002 00	Equal Socket - D54mm	402
2812 6002 00	Equal Socket - D76mm	402
2812 7002 00	Equal Socket - D89mm	402
2812 8002 00	Equal Socket - D108mm	402
2812 1006 00	End Cap - D15mm	402
2812 2006 00	End Cap - D28mm	402
2812 3006 00	End Cap - D35mm	402

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Validation according ISO 8573-1: 2010 Part 1:

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Components included

2812 4006 00	End Cap - D42mm	402
2812 5006 00	End Cap - D54mm	402
2812 6006 00	End Cap - D76mm	402
2812 7006 00	End Cap - D89mm	402
2812 8006 00	End Cap - D108mm	402
2812 1040 00	Wall Mounted Nipple - ISO 228 - D15x1/2"	402
2812 1041 00	Wall Mounted Nipple - NPT - D15x1/2"	402
2812 1017 00	Nipple Socket ISO 7-R Male - D15x1/2"	402
2812 1117 00	Nipple Socket ISO 7-R Male - D15x3/4"	402
2812 2117 00	Nipple Socket ISO 7-R Male - D28x3/4"	402
2812 2217 00	Nipple Socket ISO 7-R Male - D28x1"	402
2812 3217 00	Nipple Socket ISO 7-R Male - D35x1"	402
2812 3317 00	Nipple Socket ISO 7-R Male - D35x1 1/4"	402
2812 4317 00	Nipple Socket ISO 7-R Male - D42x1 1/4"	402
2812 4417 00	Nipple Socket ISO 7-R Male - D54x1 1/2"	402
2812 5417 00	Nipple Socket ISO 7-R Male - D54x2"	402
2812 5517 00	Nipple Socket ISO 7-R Male - D76x2"	402
2812 6617 00	Nipple Socket ISO 7-R Male - D76x2 1/2"	402
2812 7717 00	Nipple Socket ISO 7-R Male - D89x3"	402
2812 8817 00	Nipple Socket ISO 7-R Male - D108x4"	402
2812 1018 00	Nipple Socket NPT Male - D15x1/2"	402
2812 1118 00	Nipple Socket NPT Male - D15x3/4"	402
2812 2118 00	Nipple Socket NPT Male - D28x3/4"	402
2812 2218 00	Nipple Socket NPT Male - D28x1"	402
2812 3218 00	Nipple Socket NPT Male - D35x1"	402
2812 3318 00	Nipple Socket NPT Male - D35x1 1/4"	402
2812 4318 00	Nipple Socket NPT Male - D42x1 1/4"	402
2812 4418 00	Nipple Socket NPT Male - D42x1 1/2"	402
2812 5418 00	Nipple Socket NPT Male - D54x1 1/2"	402
2812 5518 00	Nipple Socket NPT Male - D54x2"	402
2812 6618 00	Nipple Socket NPT Male - D76x2 1/2"	402
2812 7718 00	Nipple Socket NPT Male - D89x3"	402
2812 8818 00	Nipple Socket NPT Male - D108x4"	402
2812 1119 00	Nipple Socket ISO 228 Female - D15x3/4"	402
2812 2219 00	Nipple Socket ISO 228 Female - D28x1"	402
2812 3319 00	Nipple Socket ISO 228 Female - D35x1 1/4"	402
2812 4419 00	Nipple Socket ISO 228 Female - D42x1 1/2"	402

Annex 1.4
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Validation according ISO 8573-1: 2010 Part 1:
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Components included

2812 5519 00	Nipple Socket ISO 228 Female - D54x2"	402
2812 1120 00	Nipple Socket NPT Female - D15x3/4"	402
2812 2220 00	Nipple Socket NPT Female - D28x1"	402
2812 3320 00	Nipple Socket NPT Female - D35x1 1/4"	402
2812 4420 00	Nipple Socket NPT Female - D42x1 1/2"	402
2812 5520 00	Nipple Socket NPT Female - D54x2"	402
2812 2121 00	Reducer Male-Female - D28x15mm	402
2812 3221 00	Reducer Male-Female - D35x28mm	402
2812 4321 00	Reducer Male-Female - D42x35mm	402
2812 5421 00	Reducer Male-Female - D54x42mm	402
2812 6521 00	Reducer Male-Female -D76x54mm	402
2812 7621 00	Reducer Male-Female - D89x76mm	402
2812 8721 00	Reducer Male-Female - D108x89mm	402
2812 1113 00	Adapter Union Socket ISO 228 Female - D15x1/2"	402
2812 2213 00	Adapter Union Socket ISO 228 Female - D28x1"	402
2812 3313 00	Adapter Union Socket ISO 228 Female - D35x1"	402
2812 4413 00	Adapter Union Socket ISO 228 Female - D42x1"	402
2812 5513 00	Adapter Union Socket ISO 228 Female - D54x2"	402
2812 1114 00	Adapter Union Socket NPT Female - D15x1/2"	402
2812 2214 00	Adapter Union Socket NPT Female - D28x1"	402
2812 3314 00	Adapter Union Socket NPT Female - D35x1 1/4"	402
2812 4414 00	Adapter Union Socket NPT Female - D42x1 1/2"	402
2812 5514 00	Adapter Union Socket NPT Female - D54x2"	402
2812 1054 00	Flange - DIN PN16 - D15xDN12mm	402
2812 2054 00	Flange - DIN PN16 - D28xDN25mm	402
2812 3054 00	Flange - DIN PN16 - D35xDN32mm	402
2812 4054 00	Flange - DIN PN16 - D42xDN40mm	402
2812 5054 00	Flange - DIN PN16 - D54xDN50mm	402
2812 6054 00	Flange - DIN PN16 - D76xDN65mm	402
2812 7054 00	Flange - DIN PN16 - D89xDN80mm	402
2812 8054 00	Flange - DIN PN16 - D108xDN100mm	402
2812 1154 00	Flange - ANSI CL150 - D15x1/2"	402
2812 2154 00	Flange - ANSI CL150 - D28x1"	402
2812 3154 00	Flange - ANSI CL150 - D35x1 1/4"	402
2812 4154 00	Flange - ANSI CL150 - D42x1 1/2"	402
2812 5154 00	Flange - ANSI CL150 - D54x2"	402
2812 6154 00	Flange - ANSI CL150 - D76x2 3/4"	402

**Annex 1.5
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**Validation according ISO 8573-1: 2010 Part 1:
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Components included

2812 7154 00	Flange - ANSI CL150 - D89x3 1/2"	402
2812 8154 00	Flange - ANSI CL150 - D108x4"	402
2812 6310 00	Quick Drop - D76x35mm	402
2812 7410 00	Quick Drop - D89x42mm	402
2812 8510 00	Quick Drop - D108x54mm	402
2812 1067 00	Swan Neck - D15mm	402
2812 2067 00	Swan Neck - D28mm	402
2812 1051 00	Ball Valve - D15mm	402
2812 2051 00	Ball Valve - D28mm	402
2812 3051 00	Ball Valve - D35mm	402
2812 4051 00	Ball Valve - D42mm	402
2812 5051 00	Ball Valve - D54mm	402
2812 6051 00	Ball Valve - D76mm	402
2812 7051 00	Ball Valve - D89mm	402
2812 8051 00	Ball Valve - D108mm	402
2812 1055 00	Compensator - D15mm	402
2812 2055 00	Compensator - D28mm	402
2812 3055 00	Compensator - D35mm	402
2812 4055 00	Compensator - D42mm	402
2812 5055 00	Compensator - D54mm	402
2812 1022 20	Pipe Clip - Metric nut - D15mm-M6	401
2812 2022 20	Pipe Clip - Metric nut - D28mm-M8	401
2812 3022 20	Pipe Clip - Metric nut - D35mm-M8	401
2812 4022 20	Pipe Clip - Metric nut - D42mm-M8	401
2812 5022 20	Pipe Clip - Metric nut - D54mm-M8	401
2812 6022 20	Pipe Clip - Metric nut - D76mm-M10	401
2812 7022 20	Pipe Clip - Metric nut - D89mm-M10	401
2812 8022 20	Pipe Clip - Metric nut - D108mm-M10	401
2812 1122 20	Pipe Clip - UNC nut - D15mm-3/8"	401
2812 2122 20	Pipe Clip - UNC nut - D28mm-3/8"	401
2812 3122 20	Pipe Clip - UNC nut - D35mm-3/8"	401
2812 4122 20	Pipe Clip - UNC nut - D42mm-3/8"	401
2812 5122 20	Pipe Clip - UNC nut - D54mm-3/8"	401
2812 6122 20	Pipe Clip - UNC nut - D76mm-3/8"	401
2812 7122 20	Pipe Clip - UNC nut - D89mm-3/8"	401
2812 8122 20	Pipe Clip - UNC nut - D108mm-3/8"	401
2812 1065 20	O-ring Kit - D15mm	403

Annex 1.6

Test certificate

Validation according ISO 8573-1: 2010 Part 1:

Contaminants and purity classes, AIRnet Stainless Steel piping system

Components included

2812 2065 20	O-ring Kit - D28mm	403
2812 3065 20	O-ring Kit - D35mm	403
2813 4065 20	O-ring Kit - D42mm	403
2812 5065 20	O-ring Kit - D54mm	403
2814 6065 10	O-ring Kit - D76mm	403
2812 7065 10	O-ring Kit - D89mm	403
2815 8065 10	O-ring Kit - D108mm	403

Annex 1.7

Test certificate

Validation according ISO 8573-1: 2010 Part 1:

Contaminants and purity classes, AIRnet Stainless Steel piping system

Components included

Reference Group 401-403

401 Pipes 304L stainless steel

Material: Stainless Steel -AISI 304 1.4301 EN10217-7 EN10312
Treatment: Annealing
Specifications: Max. working pressure: 16bar
Vacuum level: 20 mbar (a)
Max. working temperature: 120°C
Min. working temperature: -20°C
Duty: Compressed air/Vacuum, Nitrogen, Helium, Argon, Neon, Xenon,
Krypton

402 Pipes & fittings 316L stainless steel

Material: Stainless Steel -AISI 316L W.1.4404 EN10217-7 EN10312
Treatment: Annealing
Specifications: Max. working pressure: 16bar
Vacuum level: 20 mbar (a)
Max. working temperature: 120°C
Min. working temperature: -20°C
Duty: Compressed air/Vacuum, Nitrogen, Helium, Argon, Neon, Xenon,
Krypton

403 O-ring Kit

Material: FKM (Fluor elastomer)
Specifications: Max. working pressure: 16bar
Vacuum level: 20 mbar (a)
Max. working temperature: 220°C
Min. working temperature: -20°C