

TONAIR



무한책임주의
초청정 압축공기를 만들기 위한...

AFE 진공 필터

Vacuum Filters

For removal of bulk water and particle from vacuum air

쉴한국토네어



진공 필터



응축수 제거 -수동배출(기본)

응축수 제거 -자동배출(옵션)

파티클 제거 : 3 ~ 0.01um

오일 제거 : 0.0 ~ 0.01 mg/m³

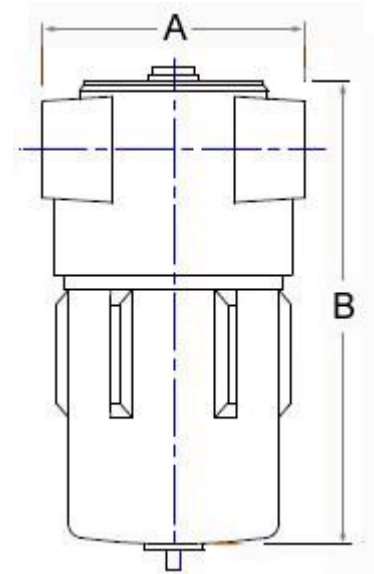
오일제거성능-독일기관 Validation



모델



Model	Element Model	Conn.	Capacity m3/min	Dimension(A)	Dimension(B)
G0010*V-B1-0-*	EA10*	1/2	0.08	87	151
G0015*V-B1-0-*	EA15*	1/2	0.13	87	192
G0020*V-B1-0*	EA20*	1/2	0.15	87	192
G0030*V-B1-0*	EA30*	3/4	0.21	87	263
G0055*V-B1-0-*	EA55*	1	0.38	130	285
G0095*V-B1-0-*	EA95*	1 1/2	0.67	130	380
G0150*V-B1-0-*	EA150*	1 1/2	1.00	130	482
G0220*V-B1-0-*	EA220*	1 1/2	1.50	130	692
G0290*V-B1-0-*	EA290*	2	2.00	162	686
G0430*V-B1-0-*	EA430*	2 1/2	3.17	162	937
G0625*V-B1-0-*	EA625*	3	4.50	252	910
G0775*V-B1-0-*	EA775*	3	5.00	252	1060



* 필터 등급 표시 : P(3um) , U(1um) , H(0.01um)





프리필터 - P grade



파티클 제거 3um

프리필터-P grade
파티클제거 : 3um





라인필터 - U grade



오일제거필터-U grade
파티클제거 : 1um
오일제거 : 0.5 mg/m³



주름형 엘레먼트
- 독일기관 성능 인증

VALIDATION CERTIFICATE

ILK Dresden 

Institut für Luft- und Kältetechnik gGmbH
Bereich Luftreinhaltung

Measurements according to
ISO 8573-2 "Compressed Air for General Use – Part 2"
of the filter element

Compressed Air Filter Grade U

manufactured by
Airfilter Engineering (AFE)

resulted in an outlet residual oil concentration of
less than 0.1 mg/m³ .*

The determination of the oil aerosol separation efficiency of the compressed air filter
was executed at the test institute. Test procedures and results have been
documented and archived.

Dresden, 29.03.2005


Dipl.-Ing. Ralf Heidenreich
(Department Manager)


Dipl.-Ing. (FH) Tim Neuhaus
(Project Manager)

* TEST PARAMETERS: Air stream loaded with > 20mg/m³ Aerosol of Mineral Compressor Oil, Viscosity Grade 46, air flow 50m³/h (ANR), test pressure 7 bar abs. (also meets ISO/DIS 12500-1). Declared result is the average from 3 consecutive tests on the same element. Employed measurement and test techniques, in addition to test conditions, generated reproducible results.

Certified to ISO 9001
Institute for Air Conditioning and Refrigeration • Germany



코알레싱필터 - H grade



오일 제거 필터-U grade
파티클 제거 : 0.01um
오일 제거 : 0.01 mg/m³



주름형 엘레먼트
- 독일기관 성능 인증

VALIDATION CERTIFICATE

Institut für Luft- und Kältetechnik gGmbH
Bereich Luftreinhaltung

Measurements according to
ISO 8573-2 "Compressed Air for General Use – Part 2"
of the filter element

Compressed Air Filter Grade H

manufactured by
Airfilter Engineering (AFE)

resulted in an outlet residual oil concentration of
less than 0.01 mg/m³ .*

The determination of the oil aerosol separation efficiency of the compressed air filter was executed at the test institute. Test procedures and results have been documented and archived.


 Dresden, 29.03.2005
 Dipl.-Ing. Ralf Heidenreich
(Department Manager)


 Dipl.-Ing. (FH) Tim Neuhaus
(Project Manager)

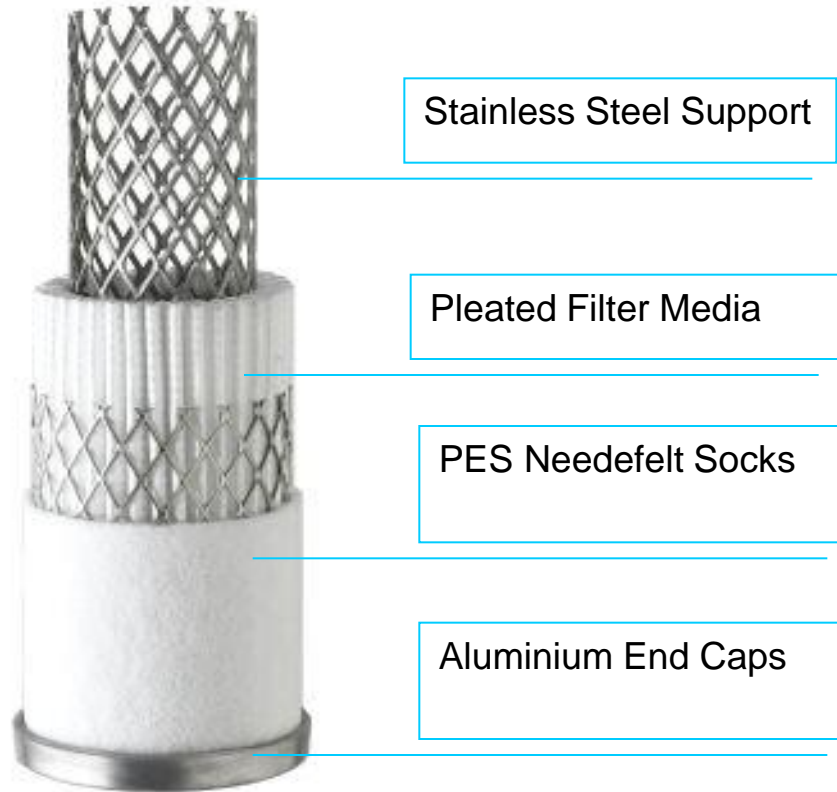
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엘레먼트 구조



AFE
Pleated
Element Design



Traditional
Wrapped
Element Design

Features & Benefits of AFE Pleated Elements

- Higher effective filtration area
- Higher dirt holding capacity
- Lower pressure drop
- Higher flow possibility



VALIDATION CERTIFICATE



Products Are Tested
And Validated To The
ISO 8573 / 12500 By
An Independent
Institute in Germany



INTERNATIONAL
STANDARD

ISO
8573

VALIDATION CERTIFICATE

ILK Dresden 

Institut für Luft- und Kältetechnik gGmbH
Bereich Luftreinhaltung

Measurements according to
ISO 8573-2 "Compressed Air for General Use – Part 2"
of the filter element

Compressed Air Filter Grade H


manufactured by
Airfilter Engineering (AFE)

resulted in an outlet residual oil concentration of

less than 0.01 mg/m³.*

The determination of the oil aerosol separation efficiency of the compressed air filter was executed at the test institute. Test procedures and results have been documented and archived.

Dresden, 29.03.2005


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