

SUS FILTER







FILTER 7





필터 하우징 -나사타입



필터 하우징-플랜지타입



하우징 내부 - 버핑 처리 - 전해연마



오토드레인 AD-34



고효율 엘레멘트



FILTER MODEL



모델	접속구경 (inch)	처리유량 (m3/min)	사용압력 (bar)	폭 (mm)	높이 (mm)	교환용 카트리지
STKF15	<u>1</u> "	1.40	0.97			EHY15
STKF20	$\frac{3}{4}$ " 2.90	2.90	0.97			EHY20
STKF25	1"	5.00	0.97	200	870	EHY25
STKF40	1 ½"	12.00	0.97	330	1,094	EHY40
STKF50	2"	20.00	0.97	360	1,296	EHY50

필터의 등급은 P/U/H/S/C 5종류가 있습니다. 다음의 Elements Grade(필터 엘레멘트 등급)을 참조 바랍니다.



Elements Grade



For Clean, Dry & Technically Oil Free Compressed Air

AFE Standard Filtration Grades



- For coarse pre-filtration
- Particle removal down to 3 micron
- Initial pressure drop 0.03 bar g
- Filter media: Cellulose (filter paper)
- Aluminum / Plastic end-caps
- Stainless steel support sleeves
- Max temperature: 60 degree C



Grade H Coalescing Element

- High efficiency filtration
- Particle removal down to 0.01 micron
- Oil content down to 0.01 mg/m3
- Initial pressure drop 0.09 bar g
- Filter media: Borosilicate
- Aluminum / Plastic end-caps
- Stainless steel support sleeves
- Max temperature: 60 degree C
- Drainage layer: Foam



Grade S Coalescing Element

- High efficiency filtration
- Particle removal down to 0.01 micron
- Oil content down to 0.001 mg/m3 in conjunction with filter grade H
- Initial pressure drop 0.10 bar g
- Filter media: Borosilicate (glass-fiber)
- Aluminum / Plastic end-caps
- Stainless steel support sleeves
- Max temperature: 60 degree C
- Drainage layer: Foam



- For odour removal filtration
- Oil content down to 0.003 mg/m3
- Initial pressure drop 0.10 bar g
- Filter media: Activated carbon
- Aluminum / Plastic end-caps
- Stainless steel support sleeves
- Max temperature: 60 degree C



Grade U Coalescing Element

- For general filtration
- Particle removal down to 1 micron
- Oil content down to 0.1 mg/m3
- Initial pressure drop 0.05 bar g
- · Filter media: Borosilicate
- Aluminum / Plastic end-caps
- Stainless steel support sleeves
- Max temperature: 60 degree C
- Drainage layer: Industrial Foam



AFE Special Customised Elements

- Produced to customers requirements
- For different operating conditions
- For different applications
- High temp, alkaline, acidic, etc.
- For filtration of hydraulic, fuel, oil separator, natural gas, vacuum, etc.

Note: Will produce in accordance to customer's product specifications.







Elements



For Clean, Dry & Technically Oil Free Compressed Air



Stainless Steel Support

Pleated Filter Media

Efficient Foam or PES Needlefelt Socks

Aluminium or Plastic End Caps





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



VALUDATION GERTIFICATE



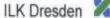
Products Are Tested And Validated To The ISO 8573 / 12500 By An Independent Institute in Germany



INTERNATIONAL STANDARD

ISO 8573

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

(Department Manager)

(Project Manager)

* TEST PARAMETERS: Air stream loaded with > 20riig/m² Aerosol of Mineral Compressor Oil, Viscosity Grade 45, air flow 50m9h (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

Irelitate for Air Conditioning and Refrigoration • Germany



설치 사례





)eTE	11/17/89	TIME	16:04:56
JOCAT	EON 33	PERIOD	99:80:22
1ZE	CLIMILATIVE	DIF	ERENTIAL
. Jus	268		231
. 5us	29		27
.8us	_		2
. 8 cm	8		9
֡	OCAT IZE . Jus . Jus . Sus . Bus	OCATION 33 SIZE CIMPLATIVE .3us 268 .5us 29 .8us 2	.5us 29 .8us 2

Fitter & O

DATE	11/17/09	7185	16185:34
	ON 33		
SIZE	CUMULATIVE	DIFF	EXENTIAL.
8. Jun	245		282
8.5us	43		29
1.8um	14		12
5.8un			2
	litter 21	Φ.	

Filter + 0

DΑ	TE	11/	7/89	TIME	16:12:3
LB	CAT.	ION	33	PERIOD	88:88:23
SI	ΖĘ	CUMUI	ATTUE	DIF	FERENTIAL
9,	3um		8		6
. 8.3	Sue		8		1
1.5	Sug		9		6
5.	au6		8		6

Fitter + 0

	Hitemi	(3)	
DATE	11/17/99	TIME	16:14:94
LOCATI	10N 23	PERISO	98:69:22
SIZE	CUMBLATIVE	DIF	FERENTIAL
8.3um	9		9
8.5un	0		8
1.0um	8		8
5.0cm	9		9

파티클 측정 데이터 - 필터 설치 전, 후 -



DATE	12/03/13	TIME	11:13:56
LOCATI	ION 32	PERIOD	00:00:22
TEMP	= 16.8 C	RH =	0.9%
SIZE	CUMULATIVE	DIF	ERENTIAL
9.3um	Ø		0
0.5um	8		9
1.0um	Ø		9
5.0um	0		9

DATE	1	2/103	/1	3	TIM	Ē	11:	14:	32
LOCAT:	ΙOΝ		3	2	PER	100	00:	ЙЙ.	22
TEMP	=	17.	Ĺ	C	ŔΗ	=		0.9	%
SIZE	CU	MULA	TI	VΕ		DIF	ERE	NT1	AL
0,3um				0					ê
0.5um				9					Ø
1.0um				Ū		A	1		9
5.0um				0					g.

파티클 측정 데이터 - 필터 설치후 -