

DATA SHEET

DS No. KDFK-3-50
Rev. 2
Date 18.08.2021
Prepared DE
Approved AM
Project Krone Filter Solutions GmbH
Pages 1 de / of 1

KDF-K DUPLEX FILTER

GENERAL

1	Identification (KKS)		Size of body	3
2	Nominal Diameter	DN50	Rating	16 bar
3	KKS (line)		DN	50,0
4	Design codes in acc. to	AD2000-Merkblatt / PED 2014/68/EU		
5	Model identification	KDF-K		
6	Fluid filtered			
7	Service			

TYPE OF CONNECTIONS

8		DN	Rating	
9	INLET	50	PN16	
10	OUTLET	50	PN16	
11	Drain	3/8"	N/A	
12	Vent	1/4"	N/A	
13	Differential pressure	1/4"	N/A	

OPERATING AND DESIGN PARAMETERS

14	DESIGN CONDITIONS		OPERATING CONDITIONS	
15	Pressure	16 bar	Pressure	bar g
16	Temperature	-10/+85 (+120°) °C	Temperature	°C
17	Flow	12 m³/h	Flow	kg/h
18	Pressure drop		Pressure drop	
19	ΔP clean filter	0,05 bar (≥100µm)	ΔP clean filter	0,05 bar (≥100µm)
20	ΔP dirty filter	2 bar (basket design pressure)	ΔP dirty filter	bar
21	Noise level	N/A - no source of noise	Noise level	N/A - no source of noise

DESCRIPTIVE CHARACTERISTICS

22	LOCATION OF EQUIPMENT	<input type="checkbox"/> Outside <input type="checkbox"/> Inside <input type="checkbox"/> Other
23	FILTER ELEMENT	
24	Type	Basket
25	Basket area	440 cm²
26	Grade of filtration	20-10000µm
27	MATERIALS	
28	Body	EN-GJS-500-7 / GGG-50 / BS 500-7 / ASTM 536 80-55-06 / JIS FCD 500-7
29	Cover	EN-GJS-500-7 / GGG-50 / BS 500-7 / ASTM 536 80-55-06 / JIS FCD 500-7
30	Gasket	NBR*
31	Vent & Drain plug	SS316ti
32	Studs	Steel, galvanized
33	Nuts	Steel, galvanized
34	Screen	SS316
35	Perforated plate	SS316

ACCESSORIES

36	Pressure drop indicator	<input type="checkbox"/> Yes <input type="checkbox"/> No
37	Magnetic filter insert	<input type="checkbox"/> Yes <input type="checkbox"/> No

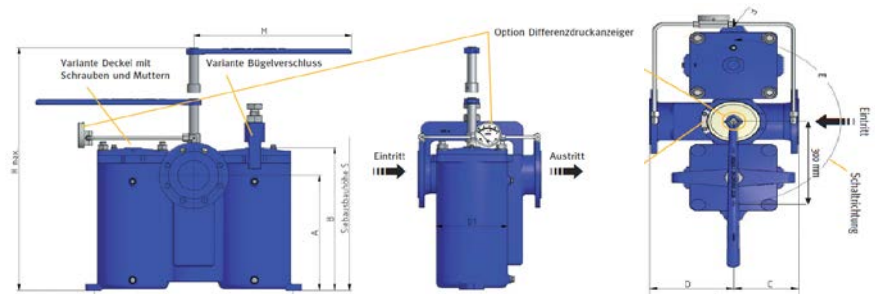
TESTS AND NON DESTRUCTIVE EXAMINATIONS

38		SCOPE		APPLICABLE RULE
39	Hydrostatic Test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		AD2000-Merkblatt / PED 2014/68/EU
40	Visual inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	100 %	
41	CE- Declaration of Conformity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Operating data is necessary !	PED 2014/68/EU
42	Others	<input type="checkbox"/> Yes <input type="checkbox"/> No		
43				
44	Information	Foundry certified by LR / Lloyds		

COATING

45	INTERNAL	Anti corrosive oil
46	EXTERNAL	Epoxy paint RAL 5010 blue

DIMENSIONS AND WEIGHT

47		Dimensionen	
48		A	235,0 mm
49		B	298,0 mm
50		C	100,0 mm
51		D	130,0 mm
52		E	364,0 mm
53		F	14,0 mm
54		S	550,0 mm
	H	480,0 mm	
	L	230,0 mm	
	M	300,0 mm	
	Weight	38,0 kg	

REMARKS

55	* on request.
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60	08/2021 © by Krone Filter Solutions GmbH, subject to change