

DATA SHEET

DS No. KDFK-4-50
Rev. 2
Date 18.08.2021
Prepared DE
Approved AM
Project Krone Filter Solutions GmbH
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KDF-K DUPLEX FILTER

GENERAL

1	Identification (KKS)		Size of body	4
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	10/16 bar /clamp/bolt)	Pressure		bar g
16	Temperature	-10/+85 (+120°) °C	Temperature		°C
17	Flow	18 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	740 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

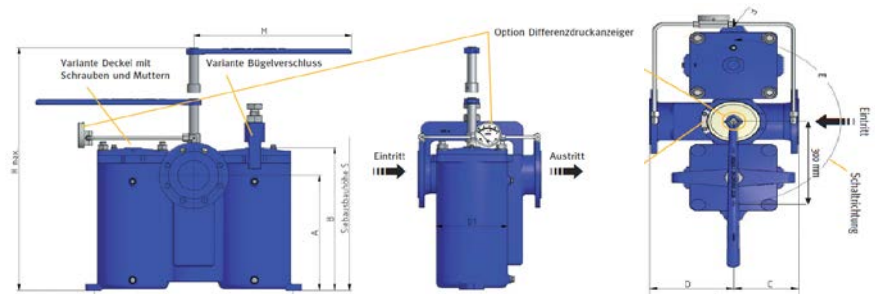
TESTS AND NON DESTRUCTIVE EXAMINATIONS

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	267,0 mm
49		B	328,0 mm
50		C	125,0 mm
51		D	190,0 mm
52		E	504,0 mm
53		F	14,0 mm
54		S	650,0 mm
	H	600,0 mm	
	L	315,0 mm	
	M	500,0 mm	
	Weight	69,0 kg	

REMARKS

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