

**DATA SHEET**

DS No. KDFK-4-80  
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	DN80	Rating	16 bar
3	KKS (line)		DN	80,0
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	80	PN16	
10	OUTLET	80	PN16	
11	Drain	3/8"	N/A	
12	Vent	1/4"	N/A	
13	Differential pressure	1/4"	N/A	

**OPERATING AND DESIGN PARAMETERS**

DESIGN CONDITIONS		OPERATING CONDITIONS	
15	Pressure	10/16 bar /clamp/bolt)	Pressure bar g
16	Temperature	-10/+85 (+120°) °C	Temperature °C
17	Flow	30 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

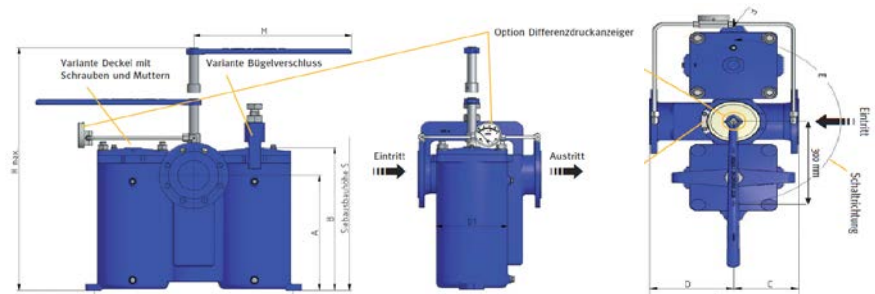
**TESTS AND NON DESTRUCTIVE EXAMINATIONS**

		SCOPE		APPLICABLE RULE
38				
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**

		Dimensionen	
47		A	267,0 mm
48		B	328,0 mm
49		C	125,0 mm
50		D	190,0 mm
51		E	504,0 mm
52		F	14,0 mm
53		S	650,0 mm
54		H	600,0 mm
		L	315,0 mm
		M	500,0 mm
	Weight	70,0 kg	

**REMARKS**

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