

**DATA SHEET**

DS No. KDFK-7-150  
 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	6
2	Nominal Diameter	DN150	Rating	16 bar
3	KKS (line)		DN	150,0
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	150	PN16		
10	OUTLET	150	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	<b>DESIGN CONDITIONS</b>		<b>OPERATING CONDITIONS</b>	
15	Pressure	10/16 bar /clamp/bolt)	Pressure	bar g
16	Temperature	-10/+85 (+120°) °C	Temperature	°C
17	Flow	160 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	2034 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

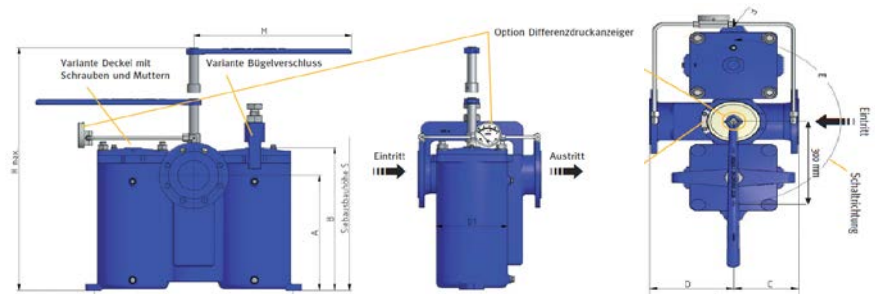
**TESTS AND NON DESTRUCTIVE EXAMINATIONS**

38		<b>SCOPE</b>		<b>APPLICABLE RULE</b>
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		<b>Dimensionen</b>	
48		A	505,0 mm
49		B	648,0 mm
50		C	230,0 mm
51		D	310,0 mm
52		E	800,0 mm
53		F	18,0 mm
54		S	1.200,0 mm
	H	795,0 mm	
	L	540,0 mm	
	M	500,0 mm	
	Weight	300,0 kg	

**REMARKS**

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