

Compressed Air - Service Parts & Accessories

Donaldson[®] Ultrafilter[™]

Ultra-Filter DF 0035 - DF 1100

Product description:

The filters Ultra-Filter DF are intended for the processing of compressed air or other gases in different areas of applications.

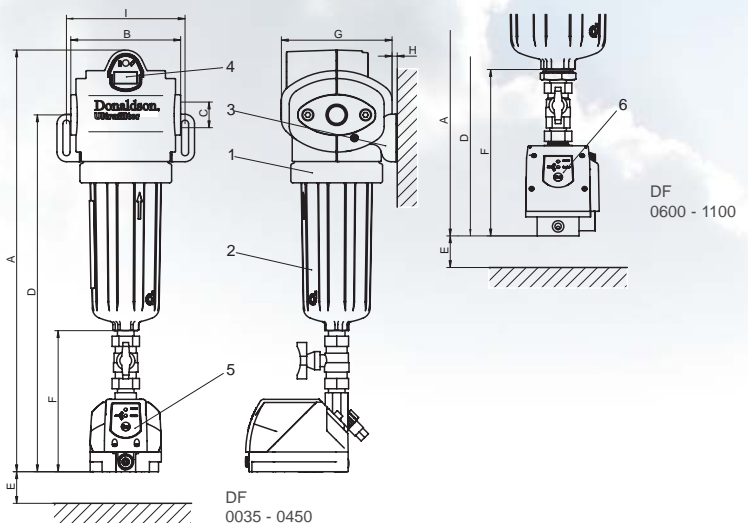
The intelligent overall concept of the filter unites the following characteristics:

- high performance
- efficiency
- compactness
- easy of use
- flexibility
- safety



Validated performance data acc. to ISO 12500-1 for reliable achievement of compressed air quality suitable of the application acc. to ISO 8573-1.

Pos.	Pcs.	Description
1	1	Filter head
2	1	Lower housing bowl
3	2	Wall bracket (option)
4	1	Economizer
5 DF 0035 - DF 0450	1	Condensate drain UFM-T05
6 DF 0600 - DF 1100	1	Condensate drain UFM-T1



Materials	
Filter housing	Aluminium die cast
Economizer	Polymer
Float drain	Aluminium, glass fibre reinforced polymer
Sealings	Viton

Max. operating pressure	16 bar
Test pressure	22,9 bar
Perm. operating temperature	+1°C / +65°C

Classification acc. to 97 / 23 / EG for fluids group 2	
DF 0035 - DF 0320	Art. 3, par. 3
DF 0450 - DF 1100	Cat. I




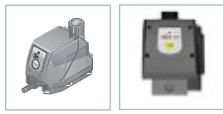




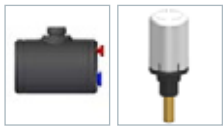


Size housing/element	Flow rate* m ³ /h	Volume (l)	Weight** (kg)	A mm	B mm	C	D mm	E mm	F mm	G mm	H min./ max. mm	I mm
0035	0035	0.20	1.5	402	76	G 1/4	334	100	175	85	5	84
0070	0070	0.40	1.9	448	103	G 3/8	373	115	178	107	5 / 34	107
0120	0120	0.50	2.0	492	103	G 1/2	417	150	178	107	5 / 34	107
0210	0210	1.15	3.0	533	139	G 3/4	451	180	178	140	5 / 53	150
0320	0320	1.50	3.2	593	139	G 1	511	250	178	140	5 / 53	150
0450	0450	5	6.6	738	190	G 1 1/4	639	250	178	203	5 / 73	190
0600	0600	5	6.6	760	190	G 1 1/2	661	250	201	203	5 / 73	190
0750	0750	5	6.6	760	190	G 2	661	250	201	203	5 / 73	190
1100	1100	6	6.9	867	190	G 2	769	250	201	203	5 / 73	190

* Nominal flow at 7 bar g, m³/h related to 1 bar abs. and 20°C
** without filter element

How to select your Ultra-Filter housing and elements:

Range	Std Housing w/o element	Electronic Drain	Replacement Elements					
			Pre - Filter		After Filter			
			P	B	V	M	S	A
0035 Δ	1C484060	1C334050	1C486004	1C486005	1C486003	1C486001	1C486000	1C486006
0070 Δ	1C484180	1C334050	1C486014	1C486015	1C486013	1C486011	1C486010	1C486016
0120	1C484300	1C334050	1C486024	1C486025	1C486023	1C486021	1C486020	1C486026
0210	1C484420	1C334050	1C486034	1C486035	1C486033	1C486031	1C486030	1C486036
0320	1C484540	1C334050	1C486044	1C486045	1C486043	1C486041	1C486040	1C486046
0450	1C484660	1C334050	1C486054	1C486055	1C486053	1C486051	1C486050	1C486056
0600	1C484780	1C333104	1C486064	1C486065	1C486063	1C486061	1C486060	1C486066
0750	1C484900	1C333104	1C486074	1C486075	1C486073	1C486071	1C486070	1C486076
1100	1C485020	1C333104	1C486084	1C486085	1C486083	1C486081	1C486080	1C486086

Δ Use 1HRF50 or 1HRF90 assembly

Ultra-Filter	DF - S	0035	Z	U																								
 M	 S	0035 0070 0120 0210 0320 0450 0600 0750 1100	 Z = Economizer	 U = UFM-T05 SP / T1																								
 P	 B		 A	 M = Econometer	 K = UFM-P / KA 1/2																							
<table border="1"> <tr> <td>P-filter</td> <td>Initial differential pressure : 0,15 bar ¹</td> </tr> <tr> <td>Particle filter</td> <td>Efficiency : 100% related to 25 μm</td> </tr> <tr> <td>B-filter</td> <td>Initial differential pressure : 0,12 bar ¹</td> </tr> <tr> <td>Particulate filter</td> <td>Efficiency : 100% related to 25 μm</td> </tr> <tr> <td>A-filter</td> <td>Initial differential pressure : 0,15 bar ¹</td> </tr> <tr> <td>Activated carbon filter</td> <td>Residual oil content : 0,003 mg/m³ ³</td> </tr> <tr> <td>V-filter</td> <td>Initial differential pressure : 0,11 bar ¹</td> </tr> <tr> <td>Coalescence filter</td> <td>Residual oil content: < 0,2 mg/m³ ²</td> </tr> <tr> <td>M-filter</td> <td>Initial differential pressure : 0,11 bar ¹</td> </tr> <tr> <td>Coalescence filter</td> <td>Residual oil content : < 0,02 mg/m³ ²</td> </tr> <tr> <td>S-filter</td> <td>Initial differential pressure : 0,13 bar ¹</td> </tr> <tr> <td>Coalescence filter</td> <td>Residual oil content : < 0,01 mg/m³ ²</td> </tr> </table>					P-filter	Initial differential pressure : 0,15 bar ¹	Particle filter	Efficiency : 100% related to 25 μ m	B-filter	Initial differential pressure : 0,12 bar ¹	Particulate filter	Efficiency : 100% related to 25 μ m	A-filter	Initial differential pressure : 0,15 bar ¹	Activated carbon filter	Residual oil content : 0,003 mg/m ³ ³	V-filter	Initial differential pressure : 0,11 bar ¹	Coalescence filter	Residual oil content: < 0,2 mg/m ³ ²	M-filter	Initial differential pressure : 0,11 bar ¹	Coalescence filter	Residual oil content : < 0,02 mg/m ³ ²	S-filter	Initial differential pressure : 0,13 bar ¹	Coalescence filter	Residual oil content : < 0,01 mg/m ³ ²
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<p>¹ related to nominal performance at 7 bar, dry condition ² related to a inlet concentration of 3 mg/m³ ³ when upstream connected a M- or S-filter</p>																												
 T = UFZ  S = Plug																												

Standard Version



Filter combination with adapter

AG Series of assemblies:

Superplus	Superplus	PE	SB	FF	MF	SMF	AK
0002	02/05	1C 120004-25	1C 120304-25	1C 121204	1C 121504	1C 121804	1C 122104
0004	03/05	1C 120004-25	1C 120306-25	1C 121206	1C 121506	1C 121806	1C 122106
0006	03/10	1C 120016-25	1C 120316-25	1C 121216	1C 121516	1C 121816	1C 122116
0009	04/10	1C 120020-25	1C 120320-25	1C 121220	1C 121520	1C 121820	1C 122120
0012	04/20	1C 120024-25	1C 120324-25	1C 121224	1C 121524	1C 121824	1C 122124
0018	05/20	1C 120032-25	1C 120332-25	1C 121232	1C 121532	1C 121832	1C 122132
0027	05/25	1C 120040-25	1C 120340-25	1C 121240	1C 121540	1C 121840	1C 122140
0036	07/25	1C 120048-25	1C 120348-25	1C 121248	1C 121548	1C 121848	1C 122148
0048	07/30	1C 120056-25	1C 120356-25	1C 121256	1C 121556	1C 121856	1C 122156
0072	10/30	1C 120064-25	1C 120364-25	1C 121264	1C 121564	1C 121864	1C 122164
0108	15/30	1C 120072-25	1C 120372-25	1C 121272	1C 121572	1C 121872	1C 122172
0144	20/30	1C 120080-25	1C 120380-25	1C 121280	1C 121580	1C 121880	1C 122180
0192	30/30	1C 120088-25	1C 120388-25	1C 121288	1C 121588	1C 121888	1C 122188
0288	30/50	1C 120096-25	1C 120396-25	1C 121296	1C 121596	1C 121896	1C 122196

Adsorption Dryer Ultrapac® 2000

Type Ultrapac® 2000	Capacity at 7 Bar gm3/h1' Nominal	Connection		Weight		Descant cartridges		Prefilter MF & Afterfilter PE	Article No. incl. pre- and afterfilter (230 Volt - model)		Service Kit:
		G	KG	Size	No.						
0005	5	½"	7	10/2	2	02/05	580008	581008	1C977181		
0010	10	½"	11	10/2	4	03/05	580016	581016	1C977182		
0015	15	½"	15	10/2	6	04/10	580024	581024	1C977183		
0025	20	½"	24	10/2	10	06/10	580032	581032	1C977184		
0035	35	1"	29	10/4	4	10/4	580040	581040	1C977185		
0050	50	1"	38	10/4	6	10/4	580048	581048	1C977186		
0065	65	1"	48	10/4	8	10/4	580056	581056	1C977187		
0080	80	1"	57	10/4	10	10/4	580064	581064	1C977188		
0100	100	1"	67	10/4	12	10/4	580072	581072	1C977189		

Locally manufactured Donaldson elements

	ELEMENT GRADE	ELEMENT PART No
RF50	10C/6C/AU/PU	**10-063
RF90	10C/6C/AU/PU	**10-127
RF100	10C/6C/AU/PU	**15-118
RF200	10C/6C/AU/PU	**15-233
RF300	10C/6C/AU/PU	**25-210
RF500	10C/6C/AU/PU	**25-355
RF800	10C/6C/AU/PU	**25-500
RF1000	10C/6C/AU/PU	**25-710
RF1300	10C/AU/PU	**35-495
RF1800	10C/AU/PU	**35-710
RF2500	10C/6C/AU	**35-990



...Pure Filtration Excellence!

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