



Replacement Elements

Each of our hydraulic filtration systems are equipped with high efficiency elements to remove solid particulates and/or water quickly and efficiently. A complete listing of the replacement elements used through-out the Filter Systems catalog can be found on the following pages.

REPLACEMENT ELEMENTS

Pressure Elements

Used in OFS Series, OFCS & OFCD Series, OFAS & OFAD Series, OF5HS & OFCD-HV Series, and OFX Skid - Standard Capacity Series

9 inch Elements		18 inch Elements		27 inch Elements	
Model Code	Part No.	Model Code	Part No.	Model Code	Part No.
5.03.09D03BN	02060528	5.03.18D03BN	02060430	5.03.27D03BN	02065003
5.03.09D03BN/-V	02056713	5.03.18D03BN/-V	02071680	5.03.27D03BN/-V	02082855
5.03.09D05BN	02060529	5.03.18D05BN	02060431	5.03.27D05BN	02065004
5.03.09D05BN/-V	02056714	5.03.18D05BN/-V	02056457	5.03.27D05BN/-V	02073488
5.03.09D10BN	02060530	5.03.18D10BN	02060432	5.03.27D10BN	02065005
5.03.09D10BN/-V	1278599	5.03.18D10BN/-V	02056492	5.03.27D10BN/-V	02056493
5.03.09D20BN	02060531	5.03.18D20BN	02060433	5.03.27D20BN	02065006
5.03.09D20BN/-V	1294016	5.03.18D20BN/-V	02072428	5.03.27D20BN/-V	02096052
5.03.09D40AM	02075265	5.03.18D40AM	02091879	5.03.27D40AM	02088358
—	—	—	—	5.03.27D40AM/-V	02088359
—	—	—	—	—	—
5.03.09D10BN/AM	02075258	—	—	—	—
5.03.09D40AM/-V	02561740	—	—	—	—
HK/HJ (connector element)	7630900	—	—	—	—

Element Performance

Micron Rating	Filtration Rating per ISO 4572/NFPA T3.10.8.8 Using automated particle counter (APC) calibrated per ISO 4402			Filtration Rating wrt ISO 16889 Using APC calibrated per ISO 11171	
	Bx≥75	Bx≥100	Bx≥200	Bx≥200	Bx≥1000
Element					
5	2.5	3.0	4.0	4.8	6.3
10	7.4	8.2	10.0	8.0	10.0
25	18.0	20.0	22.5	19.0	24.0

Dirt Holding Capacity

9" Element Micron Rating	DHC(gm)	18" Element Micron Rating	DHC(gm)
5	119	5	238
10	108	10	216
25	93	25	186

Used in OFCD-MV Series, OFS-AM Series, OF5HD-HV Series, MAFH-E Series

18 inch Element		27 inch Element	
Model Code	Part No.	Model Code	Part No.
5.03.18D03BN/-V-G	02094523	5.03.27D03BN/-V-G	02098195
5.03.18D05BN/-V-G	02094528	5.03.27D05BN/-V-G	02200583
5.03.18D10BN/-V-G	02094529	5.03.27D10BN/-V-G	02200584
5.03.18D20BN/-V-G	02098097	5.03.27D20BN/-V-G	02200585
5.03.18D10AM/-V-G	02097600	5.03.27D40AM/-V-G	02098194

Note: G = Betamicon GeoSeal® (r) replacement elements

Element Performance

Micron Rating	Filtration Rating per ISO 4572/NFPA T3.10.8.8 Using automated particle counter (APC) calibrated per ISO 4402			Filtration Rating wrt ISO 16889 Using APC calibrated per ISO 11171	
	Bx≥75	Bx≥100	Bx≥200	Bx≥200	Bx≥1000
Element					
3	<1.0	<1.0	<2.0	4.0	4.8
5	2.5	3.0	4.0	4.8	6.3
10	7.4	8.2	10	8.0	10.0

Dirt Holding Capacity

18" Element Micron Rating	DHC(gm)	27" Element Micron Rating	DHC(gm)
3	230	3	345
5	238	5	357
10	216	10	324

Used in OFX Skid - High Capacity Series

16 inch Element		39 inch Element	
Model Code	Part No.	Model Code	Part No.
1.14.16D03BN	1252836	1.14.39D03BN	1252840
1.14.16D03BN/-V	1252837	1.14.39D03BN/-V	1252841
1.14.16D06BN	1252838	1.14.39D06BN	1253294
1.14.16D06BN/-V	7602185	1.14.39D06BN/-V	2094525
1.14.16D12BN	1253292	1.14.39D12BN	1253295
1.14.16D12BN/-V	C/F	1.14.39D12BN/-V	02071197
1.14.16D25BN	1253293	1.14.39D25BN	1253384
1.14.16D25BN/-V	1252839	1.14.39D25BN/-V	C/F

Used in MAFH-A Series

Model Code	Part No.
5.12.09D10BN/-V	02561354
5.12.09B03BN/-V	02093367
5.12.09B05BN/-V	02091885
Breather Element (<i>Shrouded</i>)	02561357
Breather Element (<i>Cart</i>)	1296639

Element Performance

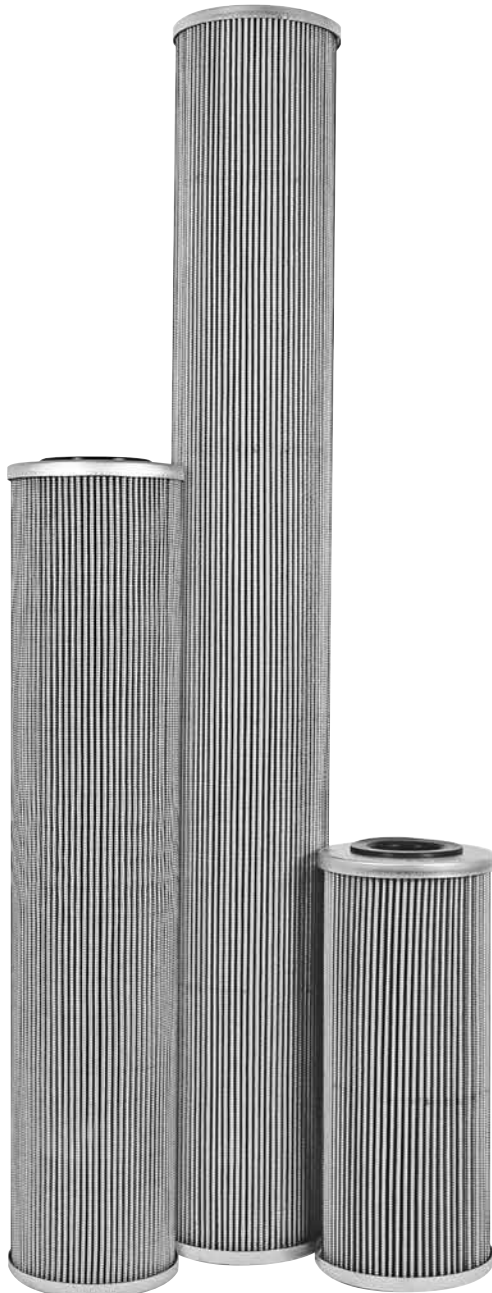
Micron Rating	Filter Rating	DHC (gm)
1	β 4.2(c) ≥ 1000	55
3	β 4.8(c) ≥ 1000	57
5	β 6.3(c) ≥ 1000	62
10	β 10(c) ≥ 1000	52

Used in IXU 1/4 Series

Model Code	Part No.
IXE 200	03348961
5.03.18D05BN/V SO103H	02077497
5.03.18D10BN/-V SO103H	02056369

Used in OFCD-BC Series, OF7-BC Series

Model Code	Part No.
ELEMENT OFCDBC 003	02099361
ELEMENT OFCDBC 005	02099362
ELEMENT OFCDBC 010	02099363
ELEMENT OFCDBC 020	02099364
ELEMENT OFCDBC AM	02099365



REPLACEMENT ELEMENTS

Dimicron® Elements

Used in OLF Series & FAMH Series

Model Code	Micron Rating	Part No.
N15DM002	2	01251590
N15DM010	10	03115180
N15DM020	20	00349576
N15DM030	30	03048790

Be sure to order the correct number of elements:
OLF 15 = 1, OLF 30 = 2, OLF 45 = 3, OLF 60 = 4



Cartridge Elements

Used in FAM5 & OLF Compact Series

Model Code	Micron Rating	Media Type	Part No.
N5DM002*	2	Dimicron®	00349494
N5DM005*	5	Dimicron®	03068101
N5DM010*	10	Dimicron®	03102924
N5DM020*	20	Dimicron®	03023508
N5AM002*	2	Aquamicron®	00349677
N5AM020*	20	Aquamicron®	03040345

*Cartridge element can not be used with OLF 5/4-SP



Aquamicron® (AM) Elements

Aquamicron® filter elements are specially designed to separate water from mineral oils. They are only supplied in the dimensions of HYDAC return line filter elements from size 330 and larger. This means that they can be installed in all HYDAC filter housings from size 330 which are fitted with return line filter elements.

The increasing pressure loss in a filter element which is being saturated with water indicates, by means of standard clogging indicators, that it is time to change the element. When the Aquamicron® technique is employed, particle contaminants are also separated from the hydraulic medium as a by-product. This means that the Aquamicron® element doubles as a safety filter. The "filtration rating" is 40 µm absolute ($\beta_{40} \geq 100$ to $\Delta p = 43.5$ psi / 3 bar).

In order to guarantee the greatest efficiency, it is recommended that these elements be installed in an off-line recirculation loop configuration.

For complete details please contact your HYDAC distributor.



Betamicron®/Aquamicron® (BN/AM) Elements

BN/AM filter elements are specifically designed to absorb water and achieve absolute filtration of solid particles from mineral oils, HFD-R oils, and rapidly biodegradable oils. A super absorber reacts with the water present in the fluid and expands to form a gel from which the water can no longer be extracted even by increasing the system pressure. These filter elements do not remove dissolved water below the saturation level of the hydraulic medium. Solid particle filtration (3 µm, 10 µm absolute) is achieved due to the Betamicron® filter construction.

For complete details please contact your HYDAC distributor.



Betterfit® Interchange Elements

HYDAC's family of interchange elements has a new name and a new focus. The former Betafit line will now be called Betterfit, and will incorporate an exclusive outer wrap that not only improves performance, but also provides quality protection. It features a unique oval-hole design that improves flow for more efficient filtration, ensuring long system life and cost savings. This is a one-of-a-kind oval design, so you can be assured that when your element includes this outer wrap that it is a HYDAC original and not a low quality imitation.

