

Here are a few reasons
you should use
KDF® Process Media
in your POE systems: chlorine,
hydrogen sulfide, heavy metals
and microorganisms

Need more reasons?

KDF Process Media enhance the performance of activated carbon and silver-impregnated media, extend the service life of RO membranes and ion exchange resins, and reduce your paperwork.

**And let's not forget
satisfied customers.**

KDF® Process Media are high-purity copper-zinc granules that use redox (the exchange of electrons) to remove chlorine, hydrogen sulfide, water-soluble heavy metals and microorganisms from water. Effective? This highly-effective, patented alloy removes more than 95% of the free chlorine before it reaches your carbon bed so your carbon can concentrate on removing organics, thus extending its useful service life by up to 15 times. You'll discover yourself using less carbon and treating yourself to fewer carbon change-outs, smaller carbon beds and then smaller filters.

With long-lasting, recyclable **KDF Process Media**, RO membranes and ion exchange resins will last longer. You'll make fewer service calls. Next time you see your customers, they'll be smiling—not snarling.

KDF Process Media are also more effective than silver-impregnated media. Silver has to be registered with the EPA, but this unique non-toxic alloy is classified as a "pesticidal device" that doesn't require registration. Now you'll run into less red tape, do less paperwork, and have fewer headaches.

Need more reasons to try **KDF Process Media**? More information, FREE samples, independent laboratory test results and/or technical assistance are only a click away at www.kdfft.com.



FLUID TREATMENT, INC.

Solutions for economical clean water™

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KDF® process media product specifications for point-of-entry (POE) applications

KDF 55 Process Medium Specifications

Applications: Chlorine, Heavy Metal Removal and Bacteria.

Medium composition.....atomized high purity copper/zinc alloy	
Color.....golden	
Physical form.....granular	
Screen size (U.S. mesh).....10 + 100	
Particle size range.....0.149 mm to 2.00 mm	
Apparent density.....2.4-2.9 g/cc (171 lbs./cu.ft.)	
Turbidity.....<20 ntu	
Skid.....48-1/3 cu. ft. drums (2,736 lbs.)	
Odor and tastes.....none	

Recommended Operating Conditions (use 3-cycle valve):

Service flow.....	15 gpm/sq. ft.
Backwash for 10 min. @.....	30 gpm/sq. ft.
Purge/rinse for 3 min. @.....	maximum
Bed expansion, backwash.....	10 to 15%
Free board.....	20%
Minimum bed depth (6" dia.).....	10 inches
pH range: drinking water.....	6.5 to 8.5
Water temperature, influent.....	35° to 212°F.

KDF 85 Process Medium Specifications

Applications: Iron and Hydrogen Sulfide

Medium composition.....atomized high purity copper/zinc alloy	
Color.....reddish brown	
Physical form.....granular	
Screen size (U.S. mesh).....10 + 100	
Particle size range.....0.149 mm to 2.00 mm	
Apparent density.....2.2-2.7 g/cc (171 lbs./cu. ft.)	
Turbidity.....<20 ntu	
Skid.....48-1/3 cu. ft. drums (2,736 lbs.)	
Odor and tastes.....none	

Recommended Operating Conditions (use 3-cycle valve):

Service flow.....	15 gpm/sq. ft.
Backwash for 10 min. @.....	30 gpm/sq. ft.
Purge/rinse for 3 min. @.....	maximum
Bed expansion, backwash.....	10 to 15%
Free board.....	20%
Minimum bed depth (6" dia.).....	10 inches
pH range: drinking water.....	6.5 to 8.5
Water temperature, influent.....	35° to 212°F.

The data included herein are based on outside laboratory tests. We believe the data are reliable, but recommend that users test performance on their own equipment. When using KDF media, proper backwash procedures should be applied.

Engineering Guidelines for KDF Media

Maximum Service Flow (gpm)	Tank Size Diameter (Inches)	Backwash Valve Required	Distributor	Minimum Backwash Rate (gpm)	Pipe Size Diameter (Inches)	KDF Process Media					
						Bed Depth (Inches)	Weight (lbs)	Volume (cu. ft.)	No. of Drums		
3	6x35	3-cycle	Fine slotted (bottom stacked recommended)	6	0.75	10	28.5	0.16	0.5		
4	7x40			8	0.75	11	42.8	0.25	0.75		
5	7x44			8	0.75	15	57.0	0.33	1.0		
5.5	8x40			10	0.75	12	57.0	0.33	1.0		
6	9x44			12	0.75	13	85.5	0.50	1.5		
8	10x44			16	0.75	14	114.0	0.66	2.0		
11	12x48			22	1	16	171.0	1.00	3.0		
15	14x65			30	1	18	285.0	1.60	5.0		
20	16x65			40	1.5	20	399.0	2.33	7.0		
25	18x65			50	1.75	22	627.0	3.50	11.0		
36	21x62			72	2	24	855.0	5.00	15.0		
45	24x72			Diaphragm nest	Hub and lateral	90	2	25	1140.0	6.50	20.0
72	30x70					144	2.5	25	1767.0	10.25	31.0
100	36x70					200	2.5	25	2565.0	14.75	45.0
144	42x73					288	3	25	3420.0	20.00	60.0
188	48x78	376	4			25	4446.0	26.00	78.0		
324	63x86	648	5			25	7695.0	45.00	135.0		



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