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**.

KDF®

FLUID TREATMENT, INC.
Solutions for economical clean water™

1500 KDF Drive
Three Rivers, Michigan 49093-9287
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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.

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	Felt or fine slotted	6	0.75	10	28.5	0.16	0.5
4	7x35			8	0.75	11	42.8	0.25	0.75
5.5	8x40			10	0.75	12	57.0	0.33	1.0
6	9x42			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	1.04	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	21x65	Diaphragm nest	Hub and lateral	72	2	24	855.0	5.00	15.0
45	24x72			90	2	25	1140.0	6.50	20.0
72	30x72			144	2.5	25	1767.0	10.25	31.0
100	36x72			200	2.5	25	2565.0	14.75	45.0
144	42x72			288	3	25	3420.0	20.00	60.0
188	48x72			376	4	25	4446.0	26.00	78.0
324	63x86			648	5	25	7695.0	45.00	135.0

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This Reduction Oxidation Media is Tested and Certified by NSF International against NSF/ANSI Standard 61 for material requirements only.

This Reduction Oxidation Media is Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

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