

# Specialty Cartridges

Full range of specialty cartridges for water treatment applications.



## Mixed bed DI resin cartridge specifications

Application	Demineralization
Capacity	See chart below
Design flow rate	See chart below
Maximum temperature	100°F (38°C)
Minimum temperature	40°F (5°C)
Maximum pressure	125 PSI (8.6 bar)
Minimum pressure	20 PSI (1.4 bar)
Micron rating	Not rated

Mixed bed DI resin for demineralization. (Ideal cartridge to install post RO to lower TDS.)

Part Number	O.D.	Length	Media	Capacity (Grains)	Flow Rate	No. Case
FPMBDIR-975	2-1/2"	9-3/4"	Purolite® (w/color change indicator)	300	1.0	24
FPMBDIR-20	2-1/2"	20"	Purolite® (w/color change indicator)	700	1.0	12
FPMBDIR-BB-975	4-1/2"	9-3/4"	Purolite® (w/color change indicator)	900	2.0	8
FPMBDIR-BB-20	4-1/2"	20"	Purolite® (w/color change indicator)	1,900	3.0	4



## Cation resin cartridge specifications

Application	To reduce water hardness
Capacity	See chart below
Design flow rate	See chart below
Maximum temperature	100°F (38°C)
Minimum temperature	40°F (5°C)
Maximum pressure	125 PSI (8.6 bar)
Minimum pressure	20 PSI (1.4 bar)

Cation resin cartridges for water softening. (Ideal for pre RO to reduce water hardness.)

Part Number	O.D.	Length	Media	Capacity (Grains)	Flow Rate	No. Case
FPCATR-975	2-1/2"	9-3/4"	100% Dow® Cation resin	800	1.0	24
FPCATR-20	2-1/2"	20"	100% Dow® Cation resin	1,900	1.0	12
FPCATR-BB-975	4-1/2"	9-3/4"	100% Dow® Cation resin	2,700	2.0	8
FPCATR-BB-20	4-1/2"	20"	100% Dow® Cation resin	5,400	3.0	4

Nitrate selective resin for Nitrate reduction.

Part Number	O.D.	Length	Media	Capacity (Grains)	Flow Rate	No. Case
FPNSR-975	2-1/2"	9-3/4"	Tulsion® Nitrate selective	4,000	0.5	24
FPNSR-20	2-1/2"	20"	Tulsion® Nitrate selective	8,000	1.0	12
FPNSR-BB-975	4-1/2"	9-3/4"	Tulsion® Nitrate selective	9,000	2.0	8
FPNSR-BB-20	4-1/2"	20"	Tulsion® Nitrate selective	16,000	3.0	4

Calcite + Coconut Shell GAC to neutralize acidic water, reduce leaching of metal plumbing components and for use post RO to raise TDS.

Part Number	O.D.	Length	Media	Capacity (Grains)	Flow Rate	No. Case
FPCR-975	2-1/2"	9-3/4"	Calcium Carbonate + GAC	2,500	1.0	24
FPCR-20	2-1/2"	20"	Calcium Carbonate + GAC	5,000	2.0	12
FPCR-BB-975	4-1/2"	9-3/4"	Calcium Carbonate + GAC	10,000	2.5	8
FPCR-BB-20	4-1/2"	20"	Calcium Carbonate + GAC	20,000	4.0	4

**Warning:** Do not use cartridges listed in this section with water that is microbiologically unsafe or unknown quality without proper disinfection before or after the cartridge.



### GAC + Phosphate cartridge specifications

Application	Carbon treatment + scale reduction
Capacity	See chart below
Design flow rate	See chart below
Maximum temperature	100°F (38°C)
Minimum temperature	40°F (5°C)
Maximum pressure	125 PSI (8.6 bar)
Minimum pressure	20 PSI (1.4 bar)

#### GAC + Phosphate (For carbon treatment plus scale reduction.)

Part Number	O.D.	Length	Media (Grains)	Capacity Rate	Flow Case	No.
FPGACP-975	2-1/2"	9-3/4"	GAC + 8 oz. Phosphate	2,000	1.0	24
FPGACP-20	2-1/2"	20"	GAC + 16 oz. Phosphate	4,250	1.0	24
FPGACP-BB-975	4-1/2"	9-3/4"	GAC + 18 oz. Phosphate	5,000	2.0	6
FPGACP-BB-20	4-1/2"	20"	GAC + 36 oz. Phosphate	10,000	3.0	4

#### KDF85 + Coconut Shell GAC to reduce iron & hydrogen sulfide in ground water (point-of-entry)

Part Number	O.D.	Length	Media	Capacity (Grains)	Flow Rate	No. Case
FPKDF85-975	2-1/2"	9-3/4"	KDF85 + GAC	2,500	1.0	12
FPKDF85-BB-975	4-1/2"	9-3/4"	KDF85 + GAC	10,000	2.0	8
FPKDF85-BB-20	4-1/2"	20"	KDF85 + GAC	20,000	4.0	4

#### KDF® 85 for ground water

KDF 85 process medium is an effective ferrous iron and hydrogen sulfide (H<sub>2</sub>S) removal agents that may be used alone or to protect existing water filtration / purification technologies in point-of-entry treatment of ground water supplies. This unique and patented medium consists of copper-zinc granules that use redox (exchange of electrons) to effectively reduce / remove iron, hydrogen sulfide, and microorganisms in potable water, without the use of chemicals. KDF85 is ideal for whole house water treatment using ground water.



#### KDF55 + Coconut Shell GAC for enhanced chlorine reduction in municipal water (point-of-entry)-of-entry)

Part Number	O.D.	Length	Media	Capacity (Grains)	Flow Rate	No. Case
GAC10N/KDF	2-1/2"	9-3/4"	KDF55 + GAC (.75 lbs. KDF)	2,500	1.0	24
GAC-BB10K/900	4-1/2"	9-3/4"	KDF55 + GAC (2 lbs. KDF)	10,000	2.0	8
GAC-BB20K/1800	4-1/2"	20"	KDF55 + GAC (4 lbs. KDF)	20,000	4.0	4

#### KDF® 55 for municipal water

KDF 55 process medium is an effective chlorine removal agents that may be used in point-of-entry municipal water supplies. This unique, innovative, environmentally responsible and patented medium consists of high purity copper-zinc granules that use redox (exchange of electrons) to effectively reduce / remove chlorine and control microorganisms in potable water, without the use of chemicals. KDF55 is ideal for whole house water treatment and in commercial buildings to reduce chlorine in municipal water with concentrations up to 5 ppm.

**Warning:** Do not use cartridges listed in this section with water that is microbiologically unsafe or unknown quality without proper disinfection before or after the cartridge.



## Arsenic reduction cartridge specifications

Media type	Granular Ferric Oxide	
Contaminant reduction	Arsenic V and III	
Capacity	1,000 gals. (2-3/4" OD); 3,000 gals. (4-1/2" OD)	
Design flow rate	0.5 GPM (both sizes)	
Initial pressure drop	< 8 psi at 0.5 GPM	
Maximum temperature	100°F (38°C)	<b>Recommended water quality:</b> pH, 6.5 - 8.5; Iron,<0.5 ppm Manganese<0.005 ppm.
Minimum temperature	40°F (5°C)	
Maximum pressure	125 PSI (8.6 bar)	
Minimum pressure	20 PSI (1.4 bar)	
Micron rating	25 nominal	

## Arsenic reduction cartridges.

Part Number	O.D.	Length	Media	Capacity (Grains)	Flow Rate	No. Case
FPAR-975	2-1/2"	9-3/4"	Arsenic reduction	1,000	0.75	24
FPAR-BB-975	4-1/2"	9-3/4"	Arsenic reduction	3,000	1.5	8



## Activated Alumina cartridge specifications

Reduction for	Fluoride
Capacity (<100 ppm hardness)	5,500 ppm (2-3/4" x 9-3/4")
Design flow rate	0.25 GPM (9-3/4"); 0.5 GPM (20")
Maximum temperature	100°F (38°C)
Minimum temperature	40°F (5°C)
Maximum pressure	125 PSI (8.6 bar)
Minimum pressure	20 PSI (1.4 bar)
Micron rating	20 nominal

## Activated Alumina for fluoride reduction.

Part Number	O.D.	Length	Capacity (PPM*)	Flow Rate	No. Case
CAUDF10ALUM	2-1/2"	9-3/4"	5,500	0.25	12
CAUDS20ALUM	2-1/2"	20"	11,000	0.5	6

\*Hardness, up to 100 ppm. (Over 100 ppm, reduce capacity by 50% and above 200 ppm, reduce capacity by 75%.)



## Iron reduction cartridge specifications

Reduction for	Ferrous iron (dissolved), up to 3 ppm	
Capacity	25,000 gals (3 ppm); 40,000 gals. (2 ppm); 80,000 gals. (1 ppm)	
Design flow rate	4 - 6 GPM	
Maximum temperature	100°F (38°C)	<b>Recommended water quality:</b> pH, >7.0 Silica, <100 ppm; Manganese, <1 ppm; Iron,<3 ppm; Iron Bacteria, none; Hydrogen Sulfide, none.
Minimum temperature	40°F (5°C)	
Maximum pressure	125 PSI (8.6 bar)	
Minimum pressure	20 PSI (1.4 bar)	

## Iron reduction cartridge for whole house to remove dissolved iron, metallic taste & stains from plumbing fixtures.

Part Number	O.D.	Length	Description	Flow Rate (GPM)	No. Case
FPIR-BB-20	4-1/2"	20"	Radial flow iron reduction cartridge	4 - 6	6

**Note:** Flow rates are for sufficient contact time and are indicated in GPM, per cartridge. Users should base actual flow rates on water quality, throughput requirements and performance criteria.

**Warning:** Do not use cartridges listed in this section with water that is microbiologically unsafe or unknown quality without proper disinfection before or after the cartridge.

# In-Line Filters

*In-line filters for reverse osmosis systems, ice makers and other water treatment needs.*



## In-line filters

For pre & post RO and ice maker filtration.

- AICRO® (our best selling in-line filter)
- AICRO-JGK\* (With J. Guest fittings.)

\* Coconut shell activated carbon. Rated for flow rates to 0.75 GPM and 1,500 gallons capacity



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## GAC

Part Number	O.D.	Length	Media	Type	Fitting Size	Fitting Type	No. / Case
CL10STT33	2"	10"	GAC	With mesh pre-filter	1/4"	FNPT	25
GS10PLUSB	2"	10"	GAC	Acid washed bituminous	1/4"	FNPT	25

## Coconut shell GAC

Part Number	O.D.	Length	Media	Type	Fitting Size	Fitting Type	No. / Case
AICRO	2"	10"	GAC	Coconut shell	1/4"	FNPT	25
AICRO-JGK	2"	10"	GAC	Coconut shell	1/4"	Quick ct	25
K2533SS	2"	10"	GAC	Coconut shell	1/4"	JG Elbow	25
CL6ROT33	2"	6"	GAC	Acid wash coconut shell	1/4"	FNPT	25
CL10ROT33	2"	10"	GAC	Acid wash coconut shell	1/4"	FNPT	25
K2333JJ	2"	6"	GAC	Acid wash coconut shell	1/4"	J. Guest	25
K2533JJ	2"	10"	GAC	Acid wash coconut shell	1/4"	J. Guest	25
K2633JJ	2.5"	12"	GAC	Acid wash coconut shell	1/4"	J. Guest	25
GS6ROB	2"	6"	GAC	Coconut shell	1/4"	FNPT	25
GS10ROB	2"	10"	GAC	Coconut shell	1/4"	FNPT	25
GS10ROC	2"	10"	GAC	Coconut shell	3/8"	FNPT	25
GS10ROG	2"	10"	GAC	Coconut shell	1/4"	J. Guest	25

## GAC with Phosphate for scale reduction

Part Number	O.D.	Length	Media	Type	Fitting Size	Fitting Type	No. / Case
SCL6	2"	6"	GAC	Phosphate	1/4"	FNPT	50
SCL10	2"	10"	GAC	Phosphate	1/4"	FNPT	25
K2386JJ	2"	6"	GAC	Phosphate	1/4"	J. Guest	25
K2586JJ	2"	10"	GAC	Phosphate	1/4"	J. Guest	25
K2586SS	2"	10"	GAC	Phosphate	1/4"	J. Guest	25
K5686JJ	2.5"	12"	GAC	Phosphate	1/4"	J. Guest	25
Q5386	2.5"	6"	GAC	Phosphate	1/4"	FNPT	25
Q5486	2.5"	8"	GAC	Phosphate	1/4"	FNPT	25
Q5586	2.5"	10"	GAC	Phosphate	1/4"	FNPT	25
Q5686	2.5"	12"	GAC	Phosphate	1/4"	FNPT	25
GS6ALSB	2"	6"	AW GAC	Phosphate	1/4"	FNPT	25
GS10ALSB	2"	10"	AW GAC	Phosphate	1/4"	FNPT	25

## GAC + KDF

Part Number	O.D.	Length	Media	Type	Fitting Size	Fitting Type	No. / Case
AICRO/KDF050	2"	10"	CS GAC	0.5 Lb. KDF55	1/4"	FNPT	25
AICRO/KDF075	2"	10"	CS GAC	0.75 Lb. KDF55	1/4"	FNPT	25
GS6EXTRA.25B	2"	6"	CS GAC	0.25 Lb. KDF55	1/4"	FNPT	25
GS6EXTRA.5B	2"	10"	CS GAC	0.5 Lb. KDF55	1/4"	FNPT	25
GS210EXTRA1	2.5"	11"	CS GAC	1.0 Lb. KDF55	1/4"	FNPT	20

**Warning:** Do not use filters listed in this section with water that is microbiologically unsafe or unknown quality without proper disinfection before or after the filter.

# In-Line Filters

## In-line filters with GAC and Calcite to raise TDS

Part Number	O.D.	Length	Media	Type	Fitting Size	Fitting Type	No. / Case
GS10CAL/ROB	2"	10"	GAC	With Calcite	1/4"	FNPT	25

## In-line filters for sediment

Part Number	O.D.	Length	Media	Micron	Fitting Size	Fitting Type	No. / Case
AIPRO	2"	10"	PP SPUN	5	1/4"	FNPT	25
CL6PF5	2"	6"	PP SPUN	5	1/4"	FNPT	50
CL10PF5	2"	10"	PP SPUN	5	1/4"	FNPT	25
K2305JJ	2"	6"	PP SPUN	5	1/4"	J. Guest	25
K2505JJ	2"	10"	PP SPUN	5	1/4"	J. Guest	25
K5605JJ	2"	12"	PP SPUN	5	1/4"	J. Guest	25
CB+10-1B	2"	10"	Carbon block	1	1/4"	FNPT	25
CB+10-5B	2"	10"	Carbon block	5	1/4"	FNPT	25
CB+10-30B	2"	10"	Carbon block	30	1/4"	FNPT	25
GS210LSB	2-1/2"	11"	Carbon block	1 (lead, cyst reduction)	1/4"	FNPT	12
GS6SED/5B	2"	6"	PP SPUN	5	1/4"	FNPT	25
GS10SED/5B	2"	10"	PP SPUN	5	1/4"	FNPT	25



## In-line filters with permanent heads

Ideal for beverage and food service applications with E-Z cartridge replacement.

### Heads

Permanent heads with and without valve.



## Heads

Part Number	Description	Fitting Size	Fitting Type	No. / Case
QHEAD	Head without valve	1/4"	FNPT	25
QHEAD-V	Complete head with valve	1/4"	FNPT	25
QBKT	Bracket for Q head	--	--	1

## Replacable elements for permanent heads listed above.

Part Number	O.D.	Length	Media	Micron	Fitting Size	Fitting Type	No. / Case
Q5520	2-1/2"	10"	Carbon block	1	1/4"	FNPT	25
Q5515	2-1/2"	10"	Carbon block	1 (lead reduction)	1/4"	FNPT	25
Q5333	2.5"	6"	Acid washed	5	1/4"	FNPT	25
Q5433	2.5"	8"	Acid washed	5	1/4"	FNPT	25
Q5533	2.5"	10"	Acid washed	5	1/4"	FNPT	25
Q5633	2.5"	12"	Acid washed	5	1/4"	FNPT	25

**Warning:** Do not use filters listed in this section with water that is microbiologically unsafe or unknown quality without proper disinfection before or after the filter.