



A collection of various water filtration and treatment systems, including large vertical tanks, smaller countertop units, and individual filter cartridges, all displayed against a white background. The systems vary in size and color, ranging from small blue and white units to large black and white tanks. Some units have digital displays and control panels. The tanks are made of different materials, some appearing to be plastic and others metal. The filter cartridges are cylindrical and come in different colors like blue, white, and black. The overall arrangement shows a variety of options for water treatment.

INSTRUCTIONS FOR ORDERING

Wholesale Distributors: To place an order, contact your local North Star representative.

The North Star Customer Support Center can assist you with checking on order status, verifying pricing, checking parts and unit availability, and resolving related problems. Customer Support Representatives are available from 8:00 a.m. to 5:00 p.m. CST Monday through Friday. For the protection of our valued distributors, please have your customer ID # available.

Customer Support (Toll-Free): 1-800-972-0135

Tech Support: 1-800-972-0136

For more information, please contact us at : info@northstarwater.com

ABOUT YOUR ORDER

- Residential softeners and specialty filters cannot be combined with residential filtration to reach higher discount levels. Commercial and Residential units cannot be combined to meet quantity requirements. See Confidential Wholesaler's Discount Schedule for additional discount information.
- Orders requested to ship next day air will ship the following business day, not the day you place the order. Expediting only applies to service parts, finished goods cannot be expedited. Expediting option is subject to product availability.
- Prices quoted are for shipment and invoicing to one destination and are F.O.B. factory.
- Discounts apply as per Confidential Wholesaler's Discount Schedule.
- Terms are 2% 10th Prox.
- Prices are subject to change without notice.

FREIGHT TERMS

RESIDENTIAL SOFTENER AND SPECIALTY FILTRATION SHIPMENTS

- 1-3 Softeners & tanks filters, FOB Ripley. Add \$50 crating fee to single-unit shipments.
- 4 or more pieces, pre-paid freight.

RESIDENTIAL FILTRATION AND RESIDENTIAL ACCESSORIES SHIPMENTS

- Net order value of \$500 or more qualifies for pre-paid freight. Case quantities only.
- If under \$500, customer pays freight.

COMMERCIAL SOFTENER AND FILTER SHIPMENTS

- Commercial units, 1 or more pieces, pre-paid freight.

COMMERCIAL SERVICE PARTS, RESIDENTIAL SERVICE PARTS AND MEDIA SHIPMENTS

- All service parts items, customer pays freight.

RESIDENTIAL SOFTENING

Ships from Ripley, MS. Asterisked () items ship from Woodbury, MN.*

Model No.	Capacity	Part #	Weight (lbs.) Each	UPC	List Price Each
Point-of-Entry CABINET Models (Ships in one box)					
NSC22	22,090 gr.	NSC2218	87	0-90259 85407-3	\$959.38
NSC31	31,300 gr.	NSC3118	103	0-90259 85409-7	\$992.93
NSC42	42,055 gr.	NSC4218	102	0-90259 85411-0	\$1,284.41
NSCWC - Softener & Whole Home Carbon Filter	35,600 gr.	NSCWC18	113	0-90259 85413-4	\$1,478.39
Point-of-Entry TWO-TANK Models (Ships in one box; NST70ED1 ships in two boxes)					
NST30ED*	30,200 gr.	7366431	84	0-90259 85401-1	\$875.50
NST45ED1*	45,300 gr.	7366449	110	0-90259 85403-5	\$964.62
NST70ED1*	70,000 gr.	7366457	159	0-90259 85405-9	\$1,399.75

SPECIALTY FILTRATION

Ships from Woodbury, MN. Asterisked () items ship from Ripley, MS.*

Model No.	Description	Part #	Weight (lbs.) Each	UPC	List Price Each
Point-of-Entry TANK FILTER					
NSCCTOSSA	Chlorine/Chloramine Filter with Catalytic Carbon	7340794	85	0-90259 85369-4	\$1,258.20
NSANSSA	Acid Neutralizer Filter with Neutralite	7263146	161	0-90259 85220-8	\$1,331.60
NSAPFSSA	All Purpose Filter - Empty (10x47) <i>Media Options on Page 12</i>	7263154	35	0-90259 85230-7	\$992.93
NSAPFXLA	All Purpose Filter - Empty (12x54) <i>Media Options on Page 12</i>	7263104	41	0-90259 85240-6	\$1,179.56
NSAIV10	OH2-Iron and Sediment Filter with Zeolite	7336127	113	0-90259 85351 9	\$1,319.01
NSAIV12	OH2-Iron and Sediment Filter with Zeolite	7336630	158	0-90259 85353 3	\$1,619.93
IOAPF10	In/Out All Purpose Filter - Empty (10x47) <i>Media Options on Page 12</i>	7356127	47	0-90259 85391-5	\$628.05
IOAPF12	In/Out All Purpose Filter - Empty (12x54) <i>Media Options on Page 12</i>	7356119	66	0-90259 85389-2	\$786.38
NSWHCW*	Central Water Filtration System	7358179	45	0-90259 92025-9	\$519.01

RESIDENTIAL FILTRATION

Ships from luka, MS

Model No.	Description	Part #	Weight (lbs.) Each	Master Pack Qty (Must be ordered in Master Packs)	Use with Model	UPC	List Price Each
Point-of-Use FILTRATION Systems							
NSRO42C4*	Reverse Osmosis Drinking Water System (RO) - <i>Faucet Included</i>	7287695	20	1	NSROF - Filter Set NSROM - Membrane	0-90259 84084-7	\$519.01
NSDW500	Dual Drinking Water System, Lead, Cyst, MTBE & VOC	7358187	6	1	NSDW500R	0-90259 92017-4	\$157.28
NSDW300	Full Flow Filter System, 2 gpm, 2,000 gal.	7358276	1.5	2	NSDW300R	0-90259 92021-1	\$94.37

*Additional faucets under Residential Accessories on page 6.

Prices and availability are subject to change without notice.

RESIDENTIAL FILTRATION (CONT.)

Ships from Luka, MS

Model No.	Description	Part #	Weight (lbs.) Each	Master Pack Qty (Must be ordered in Master Packs)	Use with Model	UPC	List Price Each
Point-of-Use REPLACEMENT CARTRIDGES							
NSROF	RO Replacement Filter Set (pre and post)	7287506	2	3	NSRO42C4	0-90259 84086-1	\$52.43
NSROM	RO Replacement Membrane	7287514	1	3	NSRO42C4	0-90259 84088-5	\$95.41
NSDW500R	Dual Drinking Water System Replacement Filter	7358195	2	3	NSDW500	0-90259 92019-8	\$41.94
NSDW300R	Full Flow Replacement Filter	7358284	1	3	NSDW300	0-90259 92023-5	\$39.84

Model No.	Description	Part #	Weight (lbs.) Each	Master Pack Qty (Must be ordered in Master Packs)	UPC	List Price Each
Point-of-Use IN-LINE Refrigerator Filters						
NSIF200	Inline Filter	7358315	1.5	4	0-90259 92053-2	\$47.18
NSIF100	Ice Maker Filter, 1/4" Quick Connect	7358488	1	6	0-90259 92054-9	\$16.78

Model No.	Description	Part #	Weight (lbs.) Each	Master Pack Qty (Must be ordered in Master Packs)	Inlet/Outlet	Filter Options	UPC	List Price Each
Point-of-Entry FILTER HOUSINGS								
NSV200T	10" Clear Housing, Valve in Head	7358420	4.5	3	3/4"	NSF217, NS217, NS205, NS225, NS250	0-90259 92030-3	\$68.15
NS200	10" Opaque Housing, Blue	7358438	3	3	3/4"	NSF217, NS217, NS205, NS225, NS250	0-90259 92032-7	\$40.89
NS900	10" Opaque Housing, Blue	7358454	8	2	1"	NSF917, NS917, NS905, NS925, NS950	0-90259 92042-6	\$78.64
NS2002	20" Opaque Housing, Blue	7358446	6	3	3/4"	NS2052	0-90259 92039-6	\$81.78
NS9002	20" Opaque Housing, Blue	7358462	10	1	1"	NS9172, NS9252	0-90259 92048-8	\$147.84
NS9003	20" Opaque Housing, Blue	7358470	10	2	1-1/2"	NS9172, NS9252	0-90259 92049-5	\$162.52

Model No.	Description	Part #	Weight (lbs.) Each	Master Pack Qty (Must be ordered in Master Packs)	Micron	Use with Model	UPC	List Price Each
Point-of-Entry FILTER CARTRIDGES								
NS205	2.5x10 Grooved Sediment Cartridge, 2-Pack	7358323	1	4	5	NSV200T, NS200	0-90259 92036-5	\$10.49
NS217	2.5x10 Carbon Block, 2-Pack	7358226	1	4	5	NSV200T, NS200	0-90259 92034-1	\$16.78
NSF217	2.5x10 Premium Carbon with FACT®, 2-Pack	7358234	1	6	0.7	NSV200T, NS200	0-90259 92033-4	\$23.07
NS225	2.5x10 Grooved Sediment Cartridge, 2-Pack	7358331	0.5	4	25	NSV200T, NS200	0-90259 92037-2	\$10.49

Prices and availability are subject to change without notice.

RESIDENTIAL FILTRATION (CONT.)

Ships from Luka, MS. Asterisked () items ship from Woodbury, MN.*

Model No.	Description	Part #	Weight (lbs.) Each	Master Pack Qty (Must be ordered in Master Packs)	Micron	Use with Model	UPC	List Price Each
Point-of-Entry FILTER CARTRIDGES								
NS250	2.5x10 Grooved Sediment Cartridge, 2-Pack	7358349	0.5	4	50	NSV200T, NS200	0-90259 92038-9	\$10.49
NS2052	2.5x20 Grooved Sediment Cartridge	7358357	0.5	3	5	NS2002	0-90259 92040-2	\$9.44
NS905	4.5x10 Grooved Sediment Cartridge	7358365	1	3	5	NS900	0-90259 92045-7	\$19.92
NS917	4.5x10 Carbon Block	7358200	3	3	25	NS900	0-90259 92044-0	\$31.46
NSF917	4.5x10 Premium Carbon with FACT®	7358242	2	3	0.7	NS900	0-90259 92043-3	\$39.84
NS925	4.5x10 Grooved Sediment Cartridge	7358373	1	3	25	NS900	0-90259 92046-4	\$18.87
NS950	4.5x10 Grooved Sediment Cartridge	7358381	1	3	50	NS900	0-90259 92047-1	\$12.58
NS9172	4.5x20 Carbon Block	7358218	6	3	25	NS9002, NS9003	0-90259 92050-1	\$83.88
NS9252	4.5x20 Grooved Sediment Cartridge	7358404	2	3	25	NS9002, NS9003	0-90259 92051-8	\$26.21

Model No.	Description	Part #	Weight (lbs.) Each	Master Pack Qty	Use With Model	UPC	List Price Each
Point-of-Entry SCALE MANAGEMENT SYSTEMS							
NSAS 2500*	3/4" Inlet/Outlet	7337018	6	1	NSAS 2510	0-90259 85359-5	\$293.58
NSAS 4500*	1" Inlet/Outlet	7337000	12	1	NSAS 4510	0-90259 85357-1	\$366.98
NSAS 6500*	1" Inlet/Outlet	7336999	19	1	NSAS 6520	0-90259 85355-7	\$629.10
EPAWCS	Anti-Scale System	EPAWCS8	11	1	EPAWCF	0-90259 92119-5	\$288.34

Model No.	Description	Part #	Weight (lbs.) Each	Master Pack Qty	Use With Model	UPC	List Price Each
Point-of-Entry REPLACEMENT CARTRIDGE							
NSAS 2510*	Replacement NSAS 2500 Cartridge - 2.5x10	7337131	2	1	NSAS 2500	0-90259 85367-0	\$83.88
NSAS 4510*	Replacement NSAS 4500 Cartridge - 4.5x10	7337686	5	1	NSAS 4500	0-90259 85363-2	\$143.64
NSAS 6520*	Replacement NSAS 6500 Cartridge - 4.5x20	7337115	9	1	NSAS 6500	0-90259 85361-8	\$283.10
EPAWCF	Replacement Cartridge for EPAWCS	EPAWCF8	2	2	EPAWCS	0-90259 92120-1	\$123.72
EPWHC	Replacement Cartridge for EPWHP Water Heater Protector	EPWHC18	1	3	EPWHP	0-90259 92062-4	52.43

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RESIDENTIAL ACCESSORIES

Ships from luka, MS

Model No.	Description	Part #	Master Pack Qty	UPC	List Price Each
Residential Accesories					
NSORK100	O-Ring Kit for 10" Sump	7363425	6	0-90259 92066-2	\$11.71
EP2BR	Bracket for ¾" Sump	EP2BR00	6	0-90259 90354-2	\$11.71
EPUSW	Universal Strap Wrench	EPUSW00	6	8-19561 01147-5	\$20.57
WHEFCHR	Faucet with Air Gap, Polished Chrome	WHEFCHR	1	0-90259 89055-2	\$109.15
WHEFSAT	Faucet with Air Gap, Brushed Nickel	WHEFSAT	1	0-90259 89057-6	\$109.15
7290135	Designer Faucet with Air Gap, Polished Chrome - <i>Includes Electronic Base</i>	7290135	1	N/A	\$196.34
7289728	Designer Faucet with Air Gap, Brushed Nickel - <i>Includes Electronic Base</i>	7289728	1	N/A	\$204.08
7290208	Permeate Pump Kit - Purchase with 7285203	7290208	1	N/A	\$116.47
7285203	Permeate Pump Adaptor Kit - Purchase with 7290208	7285203	1	N/A	\$51.90
3493099	Water Test Kit	3493099	1	N/A	\$130.94

RESIDENTIAL SERVICE PARTS

Ships from luka, MS

Model No.	Description	Part #	Master Pack Qty	List Price Each
Adaptors				
7271204	Installation Adaptor, 1" Valve, 1" NPT (Single)	7271204	1	\$7.49
7336614	Installation Adaptor, 1" Valve, 1" NPT (10 Pack)	7336614	1	\$96.84
7077642	Copper Tube, 1" Valve, 1" Sweat (Single)	7077642	1	\$27.81
7344138	Copper Tube, 1" Valve, 1" Sweat (10 Pack)	7344138	1	\$196.66
7234553	Copper Tube, 1" Valve, 1-¼" Sweat (Single)	7234553	1	\$28.41
7377848	Copper Tube, 1" Valve, 1-¼" Sweat (10 Pack)	7377848	1	\$502.13
7278442	Installation Adaptor, ¾" Valve, 1" NPT (Single)	7278442	1	\$8.79
7336606	Installation Adaptor, ¾" Valve, 1" NPT (10 Pack)	7336606	1	\$56.64
2207800	Installation Adaptor, ¾" Valve, 1" NPT (Single) - <i>For use with Copper Installation Tubing</i>	2207800	1	\$8.07
7344154	Installation Adaptor, ¾" Valve, 1" NPT (10 Pack) - <i>For use with Copper Installation Tubing</i>	7344154	1	\$46.13
507615	Copper Tube, ¾" Valve, ¾" Sweat (Single)	507615	1	\$16.15
507369	Installation Nut	507369	1	\$10.76
7170335	Washers, ¾" Sealing, NSF	7170335	1	\$4.89
7344146	Copper Adaptor Kit (10 Pack) - <i>Includes 507615, 507369 & 7170335</i>	7344146	1	\$196.07
7311127	O-Ring, 1" Installation (Single)	7311127	1	\$5.31
7336410	O-Ring, 1" Installation (20 Pack)	7336410	1	\$92.71
7170288	O-Ring, ¾" Installation (Single)	7336410	1	\$5.31
7336402	O-Ring, ¾" Installation (20 Pack)	7336402	1	\$92.71
7089306	Clip, 1" Installation (Single)	7336402	1	\$5.31
7336428	Clip, 1" Installation (20 Pack)	7336428	1	\$92.71
7116713	Clip, ¾" Installation (Single)	7336428	1	\$5.31
7336397	Clip, ¾" Installation (20 Pack)	7336397	1	\$88.20
7129211	1-½" Brass Sweat for 1" Valves (2 each)	7129211	1	\$220.65
7120259	1" 90° Clip Elbow for 1" Valves (Single)	7120259	1	\$13.55
7104546	CPVC ¾" & 1" Glue Adaptor for 1" Valves (Single)	7104546	1	\$19.52

For additional service parts, please see the North Star Service Parts Price List.

Prices and availability are subject to change without notice.

RESIDENTIAL SERVICE PARTS (CONT.)

Ships from Iuka, MS

Model No.	Description	Part #	Master Pack Qty	List Price Each
Bypass Valves				
7214383	Bypass Valve, Clip Style, Non-Blending, for 1" Single Rotor Valves	7214383	1	\$74.57
7329594	Bypass Valve, Clip Style, Blending, for 1" Single Rotor Valves	7329594	1	\$80.69
7278434	Bypass Valve, Clip Style, Non-Blending, for ¾" Single Rotor Valves - Clips Ordered Separately	7278434	1	\$43.85
7327631	Bypass Valve, Clip Style, Blending, for ¾" Single Rotor Valves - Clips Ordered Separately	7327631	1	\$45.71
7370286	Bypass Valve, Threaded, Non-Blending, for ¾" Single Rotor Valves	7370286	1	\$44.14
7328051	Bypass Valve, Threaded, Blending, for ¾" Single Rotor Valves - For use with Copper Installation Tubing	7328051	1	\$72.89
7129871	Bypass Valve, Threaded, Non-Blending, for 3/4" Single Rotor Valves - For use with Copper Installation Tubing	7129871	1	\$45.42

For additional service parts, please see the North Star Service Parts Price List.

RESIDENTIAL SOFTENER SIZING GUIDE

Water hardness and water usage dictates how often the water softener will regenerate and how much salt will be required. The chart below roughly breaks down the unit size required based on grains of hardness and household size. To get the most accurate unit size (for efficiency), follow the steps below to calculate manually.

SIZING CHART

Number of Persons in Household	Grains of Hardness in Water			
	3 - 6	7 - 11	12 - 21	22+
2	22,000 - 30,000 Grains			
3		30,000 - 40,000 Grains		
4				
5+			40,000 - 70,000+ Grains	

CALCULATE MANUALLY

STEP 1: ESTIMATED HARDNESS SETTING

Collect the following from the customer:

- Iron level (ppm)
- Water Hardness level (gpg)

$$\frac{\text{Iron (ppm)}}{\text{Total Iron}} \times 5 = \text{Estimated Hardness Setting}$$

$$\text{Total Iron} + \text{Total Hardness (gpg)} = \text{Estimated Hardness Setting}$$

STEP 2: TOTAL DAILY WATER USAGE (GALLONS)

Collect the following from the customer:

- Number of persons in household

$$\frac{\text{Number of persons in household}}{\text{Total Daily Water Usage}} \times 70 = \text{Estimated Hardness Setting}$$

STEP 3: DAILY CAPACITY

$$\frac{\text{Total Daily Water Usage}}{\text{Estimated Hardness Setting}} = \text{Daily Capacity}$$

STEP 4: APPROXIMATE UNIT SIZE

$$\frac{\text{Daily Capacity}}{\text{Estimated Hardness Setting}} \times 4 = \text{Approximate Unit Size}$$

Prices and availability are subject to change without notice.

COMMERCIAL SOFTENING & FILTRATION

Ships from Iuka, MS

MODEL NUMBER DESIGNATIONS

Example (Softener)

PA 10 2 S

CAPACITY / SIZE _____
Capacity x 10,000

VALVE SIZE _____
1 = 1" Valve
15 = 1.5" Valve
2 = 2" Valve

CONTROL _____
S = Single
D = Duplex
T = Triplex
Q = Quadplex

Example (Filter)

PA 17 2 C S

TANK SIZE _____
Tank diameter in inches

VALVE SIZE _____
1 = 1" Valve
15 = 1.5" Valve
2 = 2" Valve

FILTER TYPE _____
C = Carbon
M = Multimedia
G = Greensand
X = All Purpose Filter (no media)

CONTROL _____
S = Single
D = Duplex
T = Triplex
Q = Quadplex

COMMERCIAL SOFTENING

Ships from Iuka, MS

Part #	List Price Each
1" SOFTENER - SINGLE	
PA071S	\$1,832.78
PA101S	\$2,919.55
PA131S	\$3,103.56
PA191S	\$4,040.92
PA251S	\$4,375.39
PA321S	\$4,709.86

Part #	List Price Each
1" SOFTENER - DUPLEX	
PA071D	\$3,311.16
PA101D	\$4,862.94
PA131D	\$5,201.61
PA191D	\$6,925.34
PA251D	\$7,602.67
PA321D	\$8,280.00

Part #	List Price Each
1" SOFTENER - TRIPLEX	
PA071T	\$4,872.38
PA101T	\$7,402.41
PA131T	\$7,907.79
PA191T	\$10,581.46
PA251T	\$12,201.39
PA321T	\$12,616.60

Part #	List Price Each
1" SOFTENER - QUADPLEX	
PA071Q	\$6,155.74
PA101Q	\$9,279.23
PA131Q	\$9,958.65
PA191Q	\$13,399.83
PA251Q	\$14,756.59
PA321Q	\$16,111.25

Prices and availability are subject to change without notice.

COMMERCIAL SOFTENING (CONT.)

Ships from Luka, MS

Part #	List Price Each
1.5" SOFTENER - SINGLE	
PA1015S	\$4,787.62
PA1315S	\$4,959.72
PA1615S	\$5,221.97
PA1915S	\$5,762.83
PA2515S	\$6,068.38
PA3215S	\$6,450.18
PA3615S	\$9,824.45
PA4515S	\$10,320.87

Part #	List Price Each
1.5" SOFTENER - DUPLEX	
PA1015D	\$8,482.64
PA1315D	\$8,829.29
PA1615D	\$9,357.02
PA1915D	\$10,257.85
PA2515D	\$11,539.16
PA3215D	\$12,153.33
PA3615D	\$17,830.39
PA4515D	\$18,823.20

Part #	List Price Each
1.5" SOFTENER - TRIPLEX	
PA1015T	\$12,808.62
PA1315T	\$13,328.76
PA1615T	\$14,116.19
PA1915T	\$15,557.35
PA2515T	\$16,595.20
PA3215T	\$17,631.68
PA3615T	\$27,275.26
PA4515T	\$28,763.69

Part #	List Price Each
1.5" SOFTENER - QUADPLEX	
PA1015Q	\$16,501.15
PA1315Q	\$17,195.88
PA1615Q	\$18,247.84
PA1915Q	\$20,054.07
PA2515Q	\$21,436.06
PA3215Q	\$22,817.52
PA3615Q	\$35,281.17
PA4515Q	\$37,266.00

Part #	List Price Each
2" SOFTENER - SINGLE	
PA102S	\$5,088.37
PA132S	\$5,259.28
PA162S	\$5,521.40
PA192S	\$6,033.07
PA252S	\$6,336.09
PA322S	\$6,718.79
PA362S	\$10,096.01
PA452S	\$10,591.95
PA602S	\$12,804.28

Part #	List Price Each
2" SOFTENER - DUPLEX *	
PA102D	\$9,088.40
PA132D	\$9,432.31
PA162D	\$9,959.70
PA192D	\$10,800.60
PA252D	\$12,109.13
PA322D	\$12,716.21
PA362D	\$18,370.77
PA452D	\$19,362.65
PA602D	\$23,787.32

Part #	List Price Each
2" SOFTENER - TRIPLEX *	
PA102T	\$13,721.72
PA132T	\$14,237.58
PA162T	\$15,023.96
PA192T	\$16,373.38
PA252T	\$17,408.25
PA322T	\$18,442.07
PA362T	\$28,090.36
PA452T	\$29,577.14
PA602T	\$36,214.14

Part #	List Price Each
2" SOFTENER - QUADPLEX *	
PA102Q	\$17,719.65
PA132Q	\$18,408.51
PA162Q	\$19,459.11
PA192Q	\$21,143.00
PA252Q	\$22,520.73
PA322Q	\$23,898.46
PA362Q	\$36,365.13
PA452Q	\$38,347.84
PA602Q	\$47,196.13

*On 2" multiple tank systems, for 24/7 soft water, 1 additional shut-off valve per tank is needed. (Part #7362225)

Prices and availability are subject to change without notice.

COMMERCIAL FILTRATION

Media Options on Page 12.

Ships from Iuka, MS

Part #	List Price Each
1" FILTER - SINGLE	
PA121XS	\$1,392.41
PA121CS	\$1,631.47
PA121MS	\$1,504.60
PA121GS	\$1,853.75
PA171XS	\$1,864.23
PA171CS	\$2,354.93

Part #	List Price Each
1" FILTER - DUPLEX	
PA121XD	\$2,322.43
PA121CD	\$2,796.35
PA121MD	\$2,493.33
PA121GD	2,970.40
PA171XD	\$3,260.84
PA171CD	\$4,242.23

Part #	List Price Each
1" FILTER - TRIPLEX	
PA121XT	\$3,246.16
PA121CT	\$3,958.09
PA121MT	\$3,528.20
PA121GT	\$4,357.57
PA171XT	\$4,652.19
PA171CT	\$6,128.48

Part #	List Price Each
1" FILTER - QUADPLEX	
PA121XQ	\$4,168.84
PA121CQ	\$5,122.97
PA121MQ	\$4,512.74
PA121GQ	\$5,465.83
PA171XQ	\$5,465.83
PA171CQ	\$8,013.69

Part #	List Price Each
1.5" FILTER - SINGLE	
PA1715XS	\$2,483.92
PA1715CS	\$4,114.63
PA1715MS	\$3,729.18
PA1715GS	\$4,225.18
PA2415XS	\$3,212.65
PA2415CS	\$5,043.08
PA2415MS	\$4,292.10
PA2415GS	\$5,217.76
PA3015CS	\$8,603.38

Part #	List Price Each
1.5" FILTER - DUPLEX	
PA1715XD	\$4,653.24
PA1715CD	\$7,677.20
PA1715MD	\$6,988.71
PA1715GD	\$7,864.00
PA2415XD	\$5,988.44
PA2415CD	\$9,611.26
PA2415MD	\$8,109.71
PA2415GD	\$9,962.24
PA3015CD	\$17,220.06

Part #	List Price Each
1.5" FILTER - TRIPLEX	
PA1715XT	\$6,822.32
PA1715CT	\$11,243.82
PA1715MT	\$10,243.07
PA1715GT	\$11,696.50
PA2415XT	\$8,826.42
PA2415CT	\$14,183.52
PA2415MT	\$11,929.29
PA2415GT	\$14,706.68
PA3015CT	\$25,184.72

Part #	List Price Each
1.5" FILTER - QUADPLEX	
PA1715XQ	\$8,991.31
PA1715CQ	\$14,795.53
PA1715MQ	\$13,497.36
PA1715GQ	\$15,177.39
PA2415XQ	\$11,662.30
PA2415CQ	\$18,754.75
PA2415MQ	\$15,747.84
PA2415GQ	\$19,452.13
PA3015CQ	\$33,475.33

COMMERCIAL FILTRATION (CONT.) Media Options on Page 12.

Ships from Iuka, MS

Part #	List Price Each
2" FILTER - SINGLE	
PA172XS	\$2,598.18
PA172CS	\$4,175.13
PA172MS	\$3,883.64
PA172GS	\$4,377.49
PA242XS	\$3,342.62
PA242CS	\$5,180.64
PA242MS	\$4,434.11
PA242GS	\$5,359.93
PA302CS	\$8,740.30
PA302MS	\$6,794.28
PA302GS	\$7,727.45
PA362CS	\$10,782.77

Part #	List Price Each
2" FILTER - DUPLEX *	
PA172XD	\$4,886.01
PA172CD	\$7,876.33
PA172MD	\$7,300.71
PA172GD	\$8,253.79
PA242XD	\$6,249.06
PA242CD	\$9,886.31
PA242MD	\$8,394.29
PA242GD	\$10,246.99
PA302CD	\$17,501.56
PA302MD	\$13,020.27
PA302GD	\$15,146.63
PA362CD	\$21,668.30

Part #	List Price Each
2" FILTER - TRIPLEX *	
PA172XT	\$7,173.84
PA172CT	\$11,581.73
PA172MT	\$10,712.52
PA172GT	\$12,159.45
PA242XT	\$9,220.51
PA242CT	\$14,596.17
PA242MT	\$12,356.57
PA242GT	\$15,134.05
PA302CT	\$25,600.18
PA302MT	\$19,376.28
PA302GT	\$22,563.72
PA362CT	\$31,733.90

Part #	List Price Each
2" FILTER - QUADPLEX *	
PA172XQ	\$9,461.66
PA172CQ	\$15,285.03
PA172MQ	\$14,124.34
PA172GQ	\$16,033.66
PA242XQ	\$12,189.86
PA242CQ	\$19,304.98
PA242MQ	\$16,317.81
PA242GQ	\$20,022.16
PA302CQ	\$34,030.12
PA302MQ	\$25,732.29
PA302GQ	\$29,427.20
PA362CQ	\$42,208.42

*On 2" multiple tank systems, for 24/7 soft water, 1 additional shut-off valve per tank is needed. (Part #7362225)

COMMERCIAL SERVICE PARTS

Ships from Iuka, MS

Description	Part #	Master Pack Qty	List Price Each
Commercial Product ACCESSORIES			
Brass Adaptors for 1.5" Applications for 1" valve - Contains 2	7129211	1	\$220.65
External No-Hard-Water Shut-off Valve DC, 2"	7362225	1	\$485.94

MEDIA

Ships from Iuka, MS. Specialty media may ship from Woodbury, MN.

Description	Part #	Weight (lbs.) Each	List Price Each	
MEDIA				
Anthracite	1 cu. ft. - 52 lbs.	0993070	52	\$37.75
Garnet	0.38 cu. ft. - 50 lbs.	0993090	50	\$47.94
Greensand Plus	1 cu. ft. - 88 lbs.	7331680	88	\$147.92
Greensand Plus	0.5 cu. ft. - 44 lbs.	7331101	44	\$93.46
Ferrite (Birm)	1 cu. ft. - 54 lbs.	4015000	54	\$103.55
Filter Aggregate (Turbidity)	1 cu. ft. - 26 lbs.	0505647	26	\$44.92
Neutralite Mix	0.5 cu. ft. - 50 lbs.	7161912	50	\$101.12
Activated Carbon	1 cu. ft - 28 lbs.	3424509	28	\$141.13
Catalytic Carbon	1 cu. ft. - 28 lbs.	7339141	28	\$220.75
Shell Carbon	50 lbs. loose	7175149	50	\$209.80
Shell Carbon	1 cu. ft. - 27.5 lbs.	7301619	27.5	\$124.56
Cation Resin (for softeners)	1 cu. ft. - 53 lbs.	0502272	53	Call for Pricing
Zeolite	1 cu. ft. - 50 lbs.	7351046	50	\$84.26
Gravel, Quartz	17 lbs.	7124415	17	\$29.15
Gravel, Quartz	50 lbs.	7124423	50	\$24.68
Gravel, Medium	50 lbs.	7127073	50	\$13.82
Gravel, Coarse	50 lbs.	4104600	50	\$25.12
Filter Sand	10 lbs.	0501783	10	\$8.60
Filter Sand	50 lbs.	0993080	50	\$16.86

Prices and availability are subject to change without notice.



COMMERCIAL QUOTE REQUEST

Copy and complete this form *(include Total Combined Fixture Values from back side of this form)* **and email to techsupport@northstarwater.com**

Name of Company requesting quote: _____

Contact Person: _____

Contact's Email: _____

Address: _____

Street address

City, state, zip

Phone Number: _____

Date Requested: _____

Date of Return: _____

Application Questions

Information must be filled out completely and accurately in order for proper sizing of equipment to be accomplished.

What size is the plumbing? _____

What is the continuous flow rate required? _____

What is the water pressure? _____ Hot and Cold? _____ Hot Only? _____

What is the water chemistry? Hardness _____ gpg Iron _____ ppm pH _____ TDS _____ ppm

What is the maximum amount of water to be treated per day? _____ per hour? _____

Total Combined Fixture Valve (see reverse side)? _____

What is the application (e.g. restaurant hospital, apartment building)? _____

What are the hours of operation? 24 hrs/day _____ Partial Day _____

If partial day, how long is available down time when softener can regenerate? _____

1890 Woodlane Drive
Woodbury, MN 55125
1-800-972-0135
techsupport@northstarwater.com

TOTAL COMBINED FIXTURE VALUES

STEP 1:

Number of Fixtures x Fixture Value – Total Fixture Value

FIXTURE	NUMBER OF FIXTURES	@ 35 psi FIXTURE VALUE	TOTAL FIXTURE VALUE
Bathtub - Shower Combination		8	
Bedpan Washer		10	
Combination Sink/Tray		3	
Dental Lavatory		2	
Drinking Fountain Public		2	
Kitchen Sink			
1/2" connection		3	
3/4" connection		7	
Lavatory			
1/2" connection		4	
3/4" connection		2	
Laundry Tray			
1/2" connection		3	
3/4" connection		7	
Shower Head			
Showers only		4	
Service Sink			
1/2" connection		3	
3/4" connection		7	
Urinal			
Flush Valve		35	
Wash Sink (each set of faucets)		4	
Water Closet			
Flush Valve		35	
Tank Type		3	
Dishwasher			
1/2" connection		4	
3/4" connection		10	
Commercial		15	
Washing Machine			
1/2" connection		5	
3/4" connection		12	
1" connection		25	
1-1/4" connection		35	
1-1/2" connection		50	
Hose* (50' wash down)			
1/2" connection		6	
3/4" connection		12	
Other			

*Irrigation water is normally non-treated. Insert values only if these taps will use treated water.

STEP 2:

Add all total fixtures values = Total Combined Fixture Values

0690241 08/20

NOTES

Questions?

Contact us at info@northstarwater.com or visit www.northstarwater.com.

