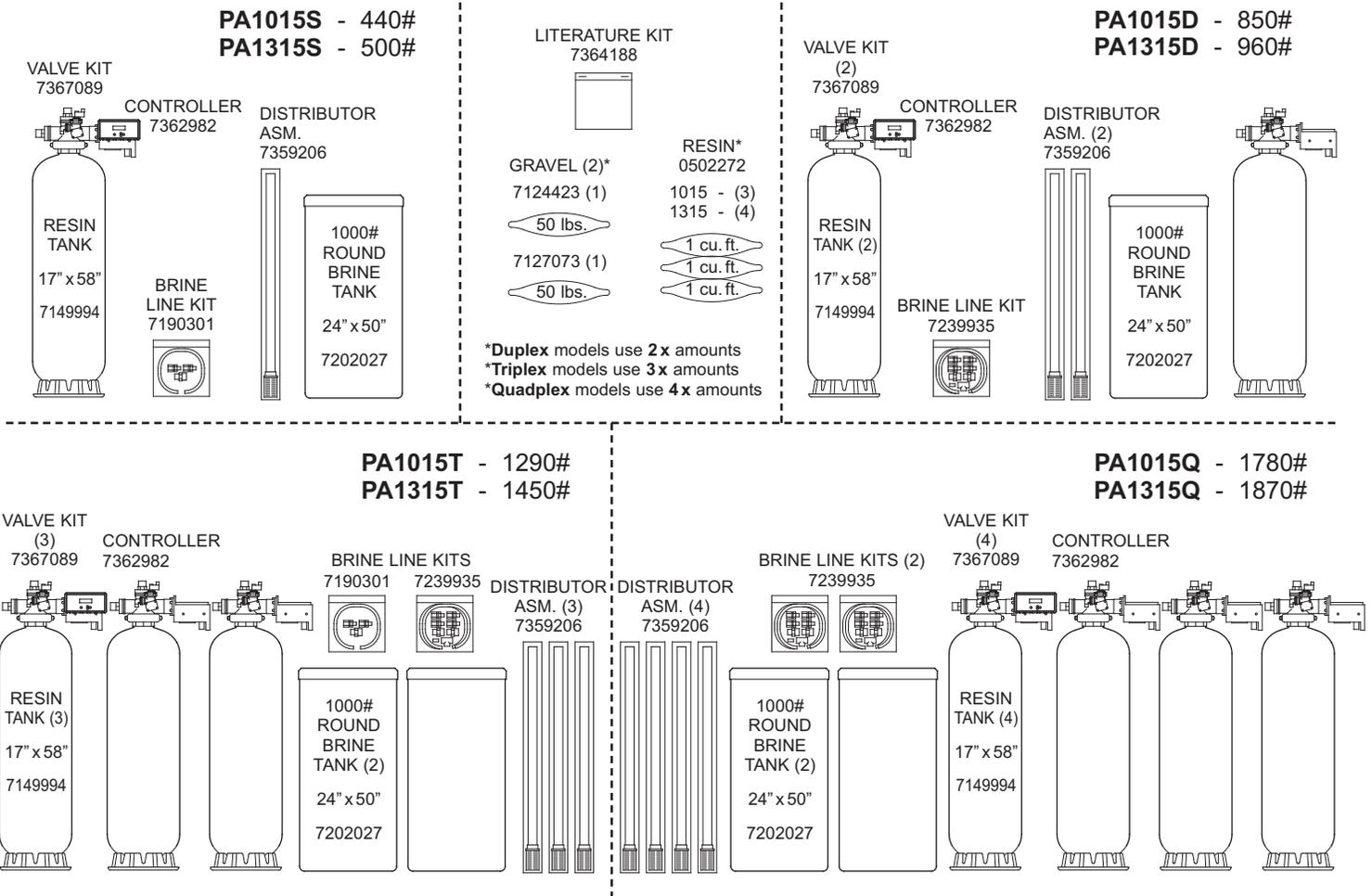


North Star Water Treatment Systems **PROFESSIONAL ADVANTAGE** COMMERCIAL SERIES WATER SOFTENERS – 1-1/2" VALVE

NOTE: All models shipped unassembled. Shipping weights are approximate.



1-1/2" Valve Kits (as shipped)							
Valve Kit	Used on	Valve	Aspirator	Filter Kit	Water Meter	Parts Kit	Clamp Kit
7367089	Softeners w/17" dia. resin tank	7367306	7367102	–	7361457	7367322	7367631
7367550	Softeners w/24" dia. resin tank	7367306	7367110	–	7361457	7367322	7367631
7367568	Softeners w/30" dia. resin tank	7367306	7367128	–	7361457	7367322	7367631
7367576	Filters	7367306	–	7367136	7361457	7367322	7367631

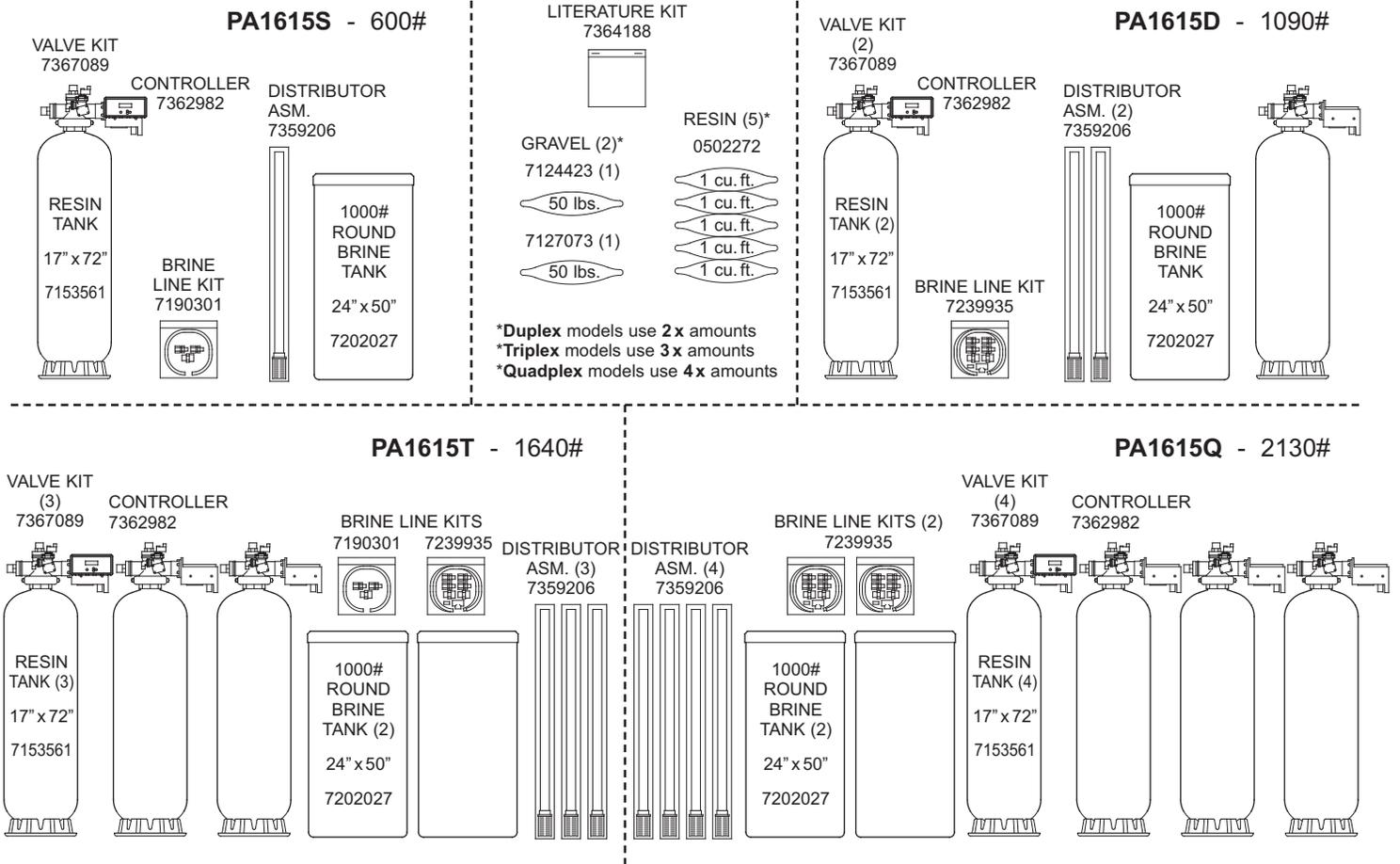
Media		
	Part Number	Weight (lbs.)
Resin	0502272	53
Gravel, Quartz	7124415	17
	7124423	50
Gravel, Medium	7127073	50
Anthracite	0993070	52
Garnet	0993090	50
Sand, Filter	0993080	50
Carbon, Activated	3424509	42
Greensand Plus™	7331101	44

Accessories & 1-1/2" Valve Repair Parts Kits	
	Part Number
Piston Plug, Multi-Tank	7367445
Drive Assembly, 1-1/2" Valve	7367437
Aspirator Kit, 1-1/2" Valve	7367429
Kit, Neck O-Ring	7367411
Kit, Installation Clips & O-Rings	7367372
Rebuild Kit, Internal Rubber Parts	7367398
Rebuild Kit, Internal, Lantern Ring & Rubber Parts	7367380

Greensand Plus™ is a trademark of Inversand Company.

North Star Water Treatment Systems **PROFESSIONAL ADVANTAGE** COMMERCIAL SERIES WATER SOFTENERS – 1-1/2" VALVE

NOTE: All models shipped unassembled. Shipping weights are approximate.



North Star Water Treatment Systems **PROFESSIONAL ADVANTAGE** COMMERCIAL SERIES WATER SOFTENERS – 1-1/2" VALVE

NOTE: All models shipped unassembled. Shipping weights are approximate.

PA1915S - 820#
PA2515S - 920#
PA3215S - 1030#

VALVE KIT
7367550

CONTROLLER
7362982

DISTRIBUTOR
ASM.
7359206

BRINE
LINE KIT
7190301

RESIN
TANK
24" x 72"
7298777

1500#
ROUND
BRINE
TANK
31" x 51"
7202035

LITERATURE KIT
7364188

RESIN*
0502272

GRAVEL (4)*

7124423 (2)

50 lbs.

7127073 (2)

50 lbs.

50 lbs.

1 cu. ft.

*Duplex models use 2x amounts
*Triplex models use 3x amounts
*Quadplex models use 4x amounts

PA1915D - 1490#
PA2515D - 1710#
PA3215D - 1920#

VALVE KIT
(2)
7367550

CONTROLLER
7362982

DISTRIBUTOR
ASM. (2)
7359206

BRINE LINE KIT
7239935

RESIN
TANK (2)
24" x 72"
7298777

1500#
ROUND
BRINE
TANK
31" x 51"
7202035

PA1915T - 2260#
PA2515T - 2590#
PA3215T - 2910#

VALVE KIT
(3)
7367550

CONTROLLER
7362982

BRINE LINE KITS
7190301 7239935

DISTRIBUTOR
ASM. (3)
7359206

DISTRIBUTOR
ASM. (4)
7359206

RESIN
TANK (3)
24" x 72"
7298777

1500#
ROUND
BRINE
TANK (2)
31" x 51"
7202035

PA1915Q - 2940#
PA2515Q - 3410#
PA3215Q - 3840#

VALVE KIT
(4)
7367550

CONTROLLER
7362982

BRINE LINE KITS (2)
7239935

RESIN
TANK (4)
24" x 72"
7298777

1500#
ROUND
BRINE
TANK (2)
31" x 51"
7202035

North Star Water Treatment Systems **PROFESSIONAL ADVANTAGE** COMMERCIAL SERIES WATER SOFTENERS – 1-1/2" VALVE

NOTE: All models shipped unassembled. Shipping weights are approximate.

PA3615S - 1310#
PA4515S - 1470#

VALVE KIT 7367568

CONTROLLER 7362982

DISTRIBUTOR ASM. 7243625

ADAPTOR 7345516

BRINE LINE KIT 7190301

RESIN TANK 30" x 72" 0403007

2500# ROUND BRINE TANK 41" x 51" 940027

LITERATURE KIT 7364188

GRAVEL (6)* 7124423 (3)

7127073 (3)

RESIN* 0502272
3615 - (12)
4515 - (15)

1 cu. ft.
1 cu. ft.

*Duplex models use 2 x amounts
*Triplex models use 3 x amounts
*Quadplex models use 4 x amounts

PA3615D - 2480#
PA4515D - 2840#

VALVE KIT (2) 7367568

CONTROLLER 7362982

DISTRIBUTOR ASM. (2) 7359206

ADAPTOR (2) 7345516

BRINE LINE KIT 7239935

RESIN TANK (2) 30" x 72" 0403007

2500# ROUND BRINE TANK 41" x 51" 940027

PA3615T - 3740#
PA4515T - 4270#

ADAPTOR (3) 7345516

VALVE KIT (3) 7367568

CONTROLLER 7362982

BRINE LINE KITS 7190301 7239935

DISTRIBUTOR ASM. (3) 7359206

RESIN TANK (3) 30" x 72" 0403007

2500# ROUND BRINE TANK (2) 41" x 51" 940027

PA3615Q - 4950#
PA4515Q - 5640#

ADAPTOR (4) 7345516

BRINE LINE KITS (2) 7239935

DISTRIBUTOR ASM. (4) 7359206

VALVE KIT (4) 7367568

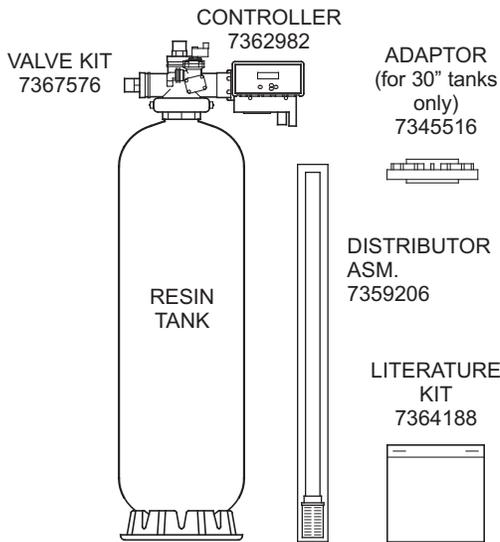
CONTROLLER 7362982

RESIN TANK (4) 30" x 72" 0403007

2500# ROUND BRINE TANK (2) 41" x 51" 940027

North Star Water Treatment Systems PROFESSIONAL ADVANTAGE COMMERCIAL SERIES WATER SOFTENERS – 1-1/2" VALVE

NOTE: All models shipped unassembled. Shipping weights are approximate.



MODEL	SHIPPING WEIGHT	RESIN TANK	MINERAL BED
PA1715XS	252#	17" x 58" P/N 7149994	see table below
PA2415XS	358#	24" x 72" P/N 7298777	
PA3015XS	765#	30" x 72" P/N 0403007	
PA1715CS	420#	17" x 58" P/N 7149994	
PA2415CS	770#	24" x 72" P/N 7298777	
PA3015CS	1185#	30" x 72" P/N 0403007	
PA1715MS	560#	17" x 58" P/N 7149994	
PA2415MS	1060#	24" x 72" P/N 7298777	
PA1715GS	660#	17" x 58" P/N 7149994	
PA2415GS	1160#	24" x 72" P/N 7298777	



	MODEL	GRAVEL 7124423		FILTER SAND 0993080		ACTIVATED CARBON 3424509	GREENSAND PLUS™ 7331101	ANTHRACITE 0993070		GARNET 0993090	
		lbs.	bags	lbs.	bags	1 cu. ft. bags	1/2 cu. ft. bags	lbs.	bags	lbs.	bags
Mineral Bed	PA1715XS	100	2	–	–	–	–	–	–	–	–
	PA2415XS	150	3	–	–	–	–	–	–	–	–
	PA3015XS	250	5	–	–	–	–	–	–	–	–
	PA1715CS	100	2	–	–	4	–	–	–	–	–
	PA2415CS	150	3	–	–	10	–	–	–	–	–
	PA3015CS	250	5	–	–	15	–	–	–	–	–
	PA1715MS	100	2	100	2	–	–	156	3	50	1
	PA2415MS	150	3	250	5	–	–	312	6	150	3
	PA1715GS	100	2	–	–	–	–	78*	2*	50	1
	PA2415GS	150	3	–	–	–	–	156	3	150	3

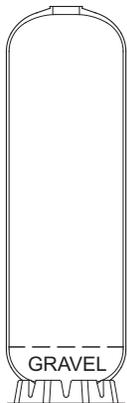
Greensand Plus™ is a trademark of Inversand Company.

*1-1/2 of the 2 bags included are used.

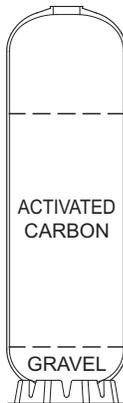
BEDDING SEQUENCE OF GRAVEL & MINERALS

NOTE: Be sure distributor assembly is centered in tank before filling.

NO MEDIA
(GRAVEL ONLY) FILTERS



CARBON FILTERS



MULTI-MEDIA FILTERS

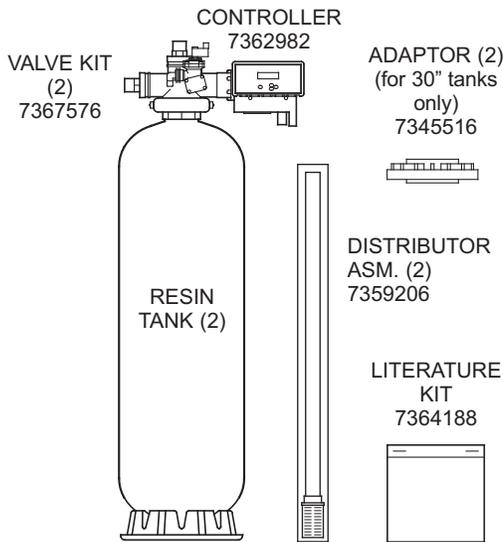


GREENSAND PLUS™
FILTERS



North Star Water Treatment Systems PROFESSIONAL ADVANTAGE COMMERCIAL SERIES WATER FILTERS – 1-1/2" VALVE

NOTE: All models shipped unassembled. Shipping weights are approximate.



MODEL	SHIPPING WEIGHT	RESIN TANK	MINERAL BED
PA1715XD	494#	17" x 58" P/N 7149994	see table below
PA2415XD	680#	24" x 72" P/N 7298777	
PA3015XD	1480#	30" x 72" P/N 0403007	
PA1715CD	830#	17" x 58" P/N 7149994	
PA2415CD	1570#	24" x 72" P/N 7298777	
PA3015CD	2320#	30" x 72" P/N 0403007	
PA1715MD	1110#	17" x 58" P/N 7149994	
PA2415MD	2110#	24" x 72" P/N 7298777	
PA1715GD	1260#	17" x 58" P/N 7149994	
PA2415GD	2320#	24" x 72" P/N 7298777	



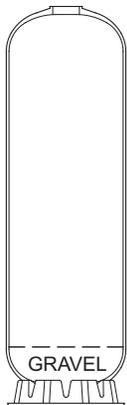
	MODEL	GRAVEL 7124423		FILTER SAND 0993080		ACTIVATED CARBON 3424509	GREENSAND PLUS™ 7331101	ANTHRACITE 0993070		GARNET 0993090	
		lbs.	bags	lbs.	bags	1 cu. ft. bags	1/2 cu. ft. bags	lbs.	bags	lbs.	bags
Mineral Bed	PA1715XD	200	4	–	–	–	–	–	–	–	–
	PA2415XD	300	6	–	–	–	–	–	–	–	–
	PA3015XD	500	10	–	–	–	–	–	–	–	–
	PA1715CD	200	4	–	–	8	–	–	–	–	–
	PA2415CD	300	6	–	–	20	–	–	–	–	–
	PA3015CD	500	10	–	–	30	–	–	–	–	–
	PA1715MD	200	4	200	4	–	–	312	6	100	2
	PA2415MD	300	6	500	10	–	–	624	12	300	6
	PA1715GD	200	4	–	–	–	12	156	3	100	2
PA2415GD	300	6	–	–	–	24	312	6	300	6	

Greensand Plus™ is a trademark of Inversand Company.

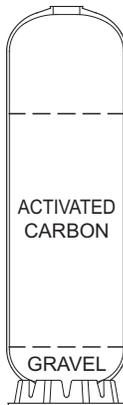
BEDDING SEQUENCE OF GRAVEL & MINERALS

NOTE: Be sure distributor assembly is centered in tank before filling.

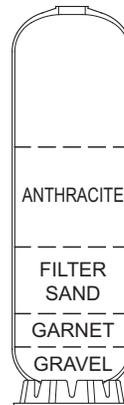
NO MEDIA
(GRAVEL ONLY) FILTERS



CARBON FILTERS



MULTI-MEDIA FILTERS

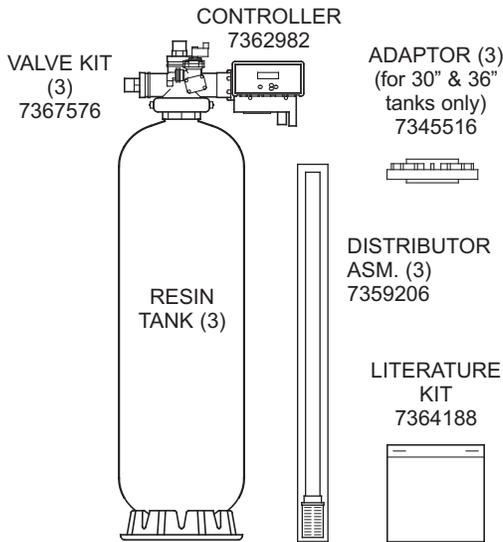


GREENSAND PLUS™
FILTERS



North Star Water Treatment Systems PROFESSIONAL ADVANTAGE COMMERCIAL SERIES WATER FILTERS – 1-1/2" VALVE

NOTE: All models shipped unassembled. Shipping weights are approximate.



MODEL	SHIPPING WEIGHT	RESIN TANK	MINERAL BED
PA1715XT	746#	17" x 58" P/N 7149994	see table below
PA2415XT	1060#	24" x 72" P/N 7298777	
PA3015XT	2240#	30" x 72" P/N 0403007	
PA1715CT	1250#	17" x 58" P/N 7149994	
PA2415CT	2320#	24" x 72" P/N 7298777	
PA3015CT	3500#	30" x 72" P/N 0403007	
PA1715MT	1660#	17" x 58" P/N 7149994	
PA2415MT	3200#	24" x 72" P/N 7298777	
PA1715GT	1920#	17" x 58" P/N 7149994	
PA2415GT	3480#	24" x 72" P/N 7298777	



	MODEL	GRAVEL 7124423		FILTER SAND 0993080		ACTIVATED CARBON 3424509	GREENSAND PLUS™ 7331101	ANTHRACITE 0993070		GARNET 0993090		
		lbs.	bags	lbs.	bags	1 cu. ft. bags	1/2 cu. ft. bags	lbs.	bags	lbs.	bags	
Mineral Bed	PA1715XT	300	6	–	–	–	–	–	–	–	–	
	PA2415XT	450	9	–	–	–	–	–	–	–	–	
	PA3015XT	750	15	–	–	–	–	–	–	–	–	
	PA1715CT	300	6	–	–	12	–	–	–	–	–	
	PA2415CT	450	9	–	–	30	–	–	–	–	–	
	PA3015CT	750	15	–	–	45	–	–	–	–	–	
	PA1715MT	300	6	300	6	–	–	468	9	150	3	
	PA2415MT	450	9	750	15	–	–	936	18	450	9	
	PA1715GT	300	6	–	–	–	–	18	234*	5*	150	3
	PA2415GT	450	9	–	–	–	–	36	468	9	450	9

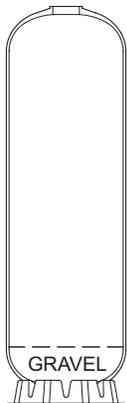
Greensand Plus™ is a trademark of Inversand Company.

*4-1/2 of the 5 bags included are used.

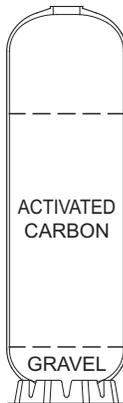
BEDDING SEQUENCE OF GRAVEL & MINERALS

NOTE: Be sure distributor assembly is centered in tank before filling.

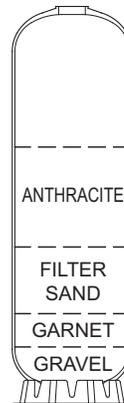
NO MEDIA
(GRAVEL ONLY) FILTERS



CARBON FILTERS



MULTI-MEDIA FILTERS

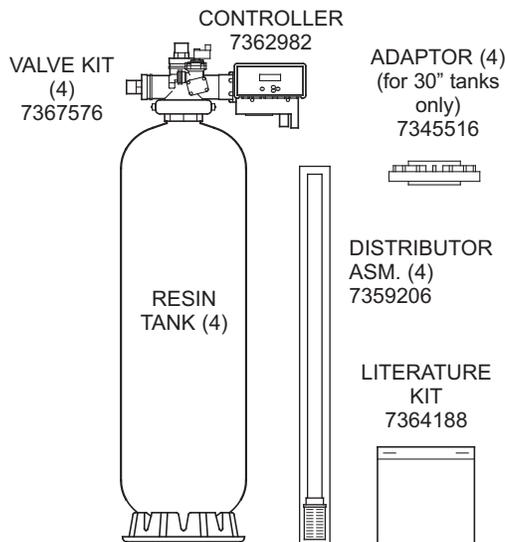


GREENSAND PLUS™
FILTERS



North Star Water Treatment Systems **PROFESSIONAL ADVANTAGE** COMMERCIAL SERIES WATER FILTERS – 1-1/2" VALVE

NOTE: All models shipped unassembled. Shipping weights are approximate.



MODEL	SHIPPING WEIGHT	RESIN TANK	MINERAL BED
PA1715XQ	988#	17" x 58" P/N 7149994	see table below
PA2415XQ	1370#	24" x 72" P/N 7298777	
PA3015XQ	3060#	30" x 72" P/N 0403007	
PA1715CQ	2080#	17" x 58" P/N 7149994	
PA2415CQ	3050#	24" x 72" P/N 7298777	
PA3015CQ	4740#	30" x 72" P/N 0403007	
PA1715MQ	2210#	17" x 58" P/N 7149994	
PA2415MQ	4250#	24" x 72" P/N 7298777	
PA1715GQ	2520#	17" x 58" P/N 7149994	
PA2415GQ	4670#	24" x 72" P/N 7298777	



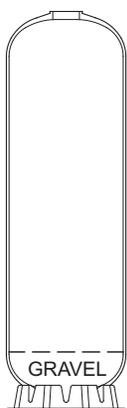
	MODEL	GRAVEL 7124423		FILTER SAND 0993080		ACTIVATED CARBON 3424509	GREENSAND PLUS™ 7331101	ANTHRACITE 0993070		GARNET 0993090	
		lbs.	bags	lbs.	bags	1 cu. ft. bags	1/2 cu. ft. bags	lbs.	bags	lbs.	bags
Mineral Bed	PA1715XQ	400	8	–	–	–	–	–	–	–	–
	PA2415XQ	600	12	–	–	–	–	–	–	–	–
	PA3015XQ	1000	20	–	–	–	–	–	–	–	–
	PA1715CQ	400	8	–	–	16	–	–	–	–	–
	PA2415CQ	600	12	–	–	40	–	–	–	–	–
	PA3015CQ	1000	20	–	–	60	–	–	–	–	–
	PA1715MQ	400	8	400	8	–	–	624	12	200	4
	PA2415MQ	600	12	1000	20	–	–	1248	24	600	12
	PA1715GQ	400	8	–	–	–	24	312	6	200	4
	PA2415GQ	600	12	–	–	–	48	624	12	600	12

Greensand Plus™ is a trademark of Inversand Company.

BEDDING SEQUENCE OF GRAVEL & MINERALS

NOTE: Be sure distributor assembly is centered in tank before filling.

NO MEDIA (GRAVEL ONLY) FILTERS



CARBON FILTERS



MULTI-MEDIA FILTERS



GREENSAND PLUS™ FILTERS

