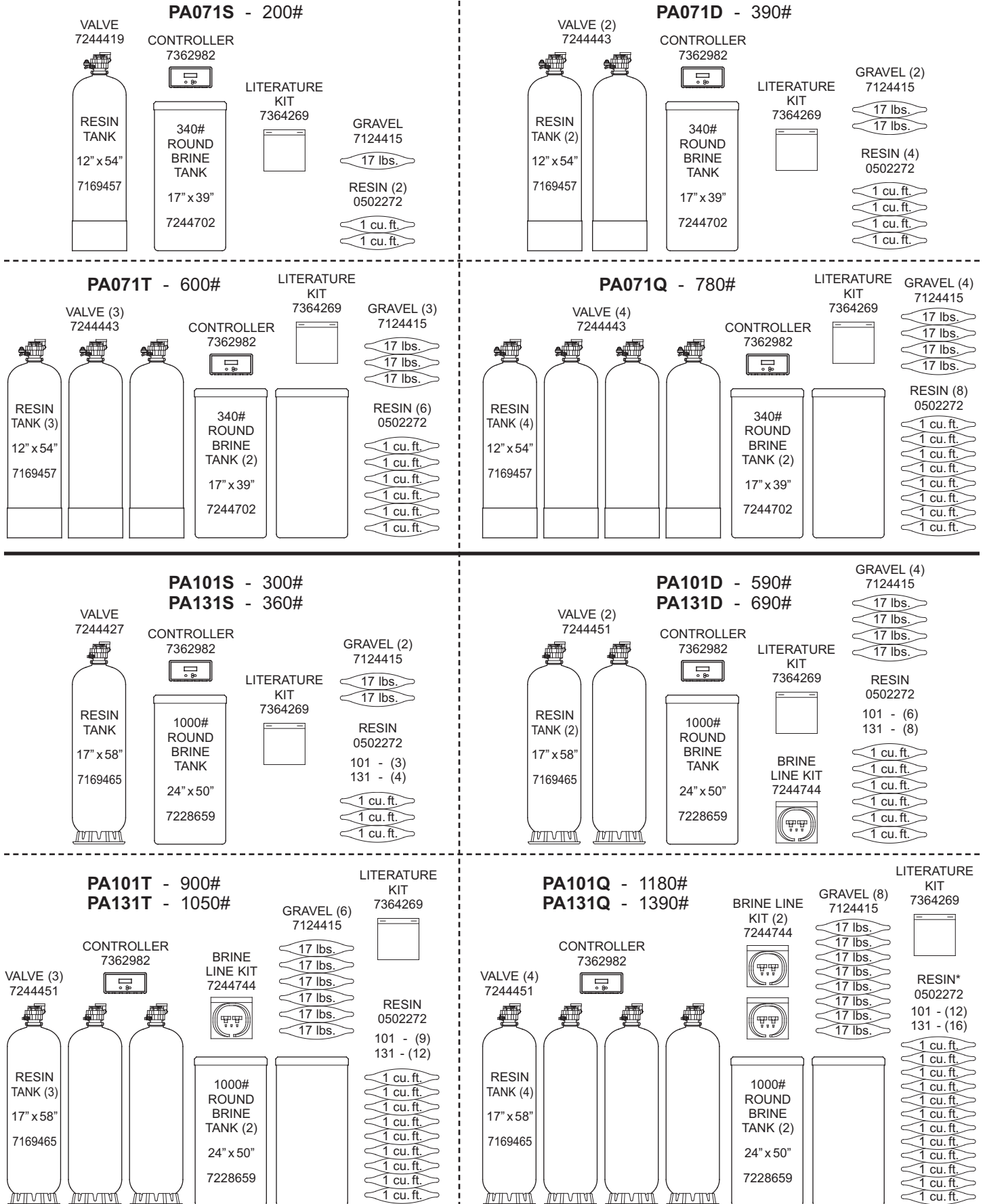


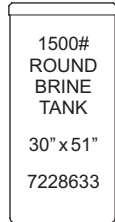
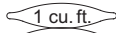
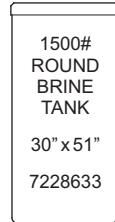
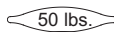
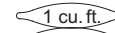
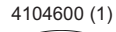
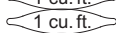
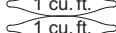
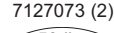
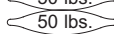
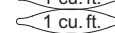
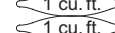
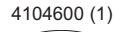
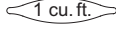
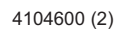
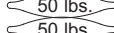
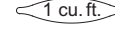
North Star Water Treatment Systems **PROFESSIONAL ADVANTAGE** **COMMERCIAL SERIES WATER SOFTENERS – 1" VALVE**

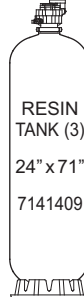
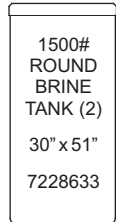
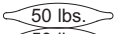
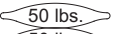
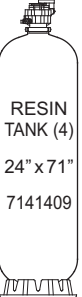
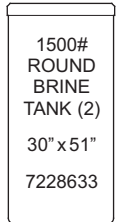
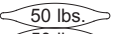
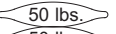
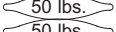
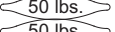
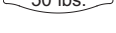
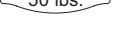
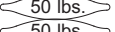
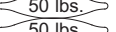
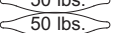
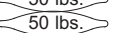
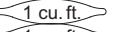
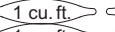
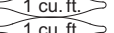
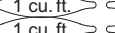
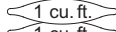
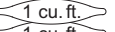
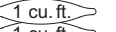
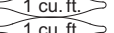
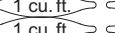
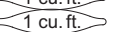
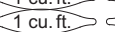
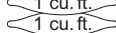
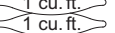
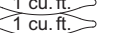
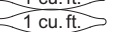
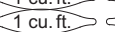
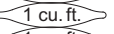
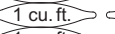
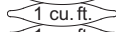
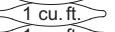
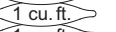
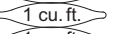
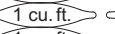
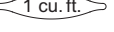
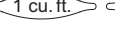
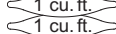
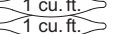
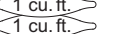
All models have 1" inlet and outlet connection. For 1-1/2" connection, order Adaptor Kit 7129211.



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

All models have 1" inlet and outlet connection. For 1-1/2" connection, order Adaptor Kit 7129211.

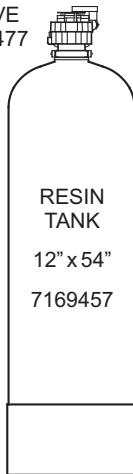
PA191S - 620# PA251S - 720# PA321S - 820#			LITERATURE KIT 7364269			PA191D - 1290# PA251D - 1500# PA321D - 1700#			BRINE LINE KIT 7244744			LITERATURE KIT 7364269											
VALVE 7244427			CONTROLLER 7362982			GRAVEL (3) 7124423 (1)			RESIN 0502272			VALVE (2) 7244451			CONTROLLER 7362982			GRAVEL (6) 7124423 (2)			RESIN 0502272		
 RESIN TANK 24" x 71" 7141409			 1500# ROUND BRINE TANK 30" x 51" 7228633			 50 lbs.			 1 cu. ft.			 RESIN TANK (2) 24" x 71" 7141409			 1500# ROUND BRINE TANK 30" x 51" 7228633			 50 lbs.			 1 cu. ft.		
 50 lbs.			 50 lbs.			 1 cu. ft.			 1 cu. ft.			 50 lbs.			 50 lbs.			 1 cu. ft.			 1 cu. ft.		
 50 lbs.			 50 lbs.			 1 cu. ft.			 1 cu. ft.			 50 lbs.			 50 lbs.			 1 cu. ft.			 1 cu. ft.		

PA191T - 1910# PA251T - 2220# PA321T - 2530#			BRINE LINE KIT 7244744			LITERATURE KIT 7364269			PA191Q - 2580# PA251Q - 2990# PA321Q - 3410#			BRINE LINE KITS (2) 7244744			LITERATURE KIT 7364269								
VALVE (3) 7244451			CONTROLLER 7362982			GRAVEL (9) 7124423 (3)			RESIN 0502272			VALVE (4) 7244451			CONTROLLER 7362982			GRAVEL (12) 7124423 (4)			RESIN 0502272		
 RESIN TANK (3) 24" x 71" 7141409			 1500# ROUND BRINE TANK (2) 30" x 51" 7228633			 50 lbs.			 50 lbs.			 RESIN TANK (4) 24" x 71" 7141409			 1500# ROUND BRINE TANK (2) 30" x 51" 7228633			 50 lbs.			 50 lbs.		
 50 lbs.			 50 lbs.			 50 lbs.			 50 lbs.			 50 lbs.			 50 lbs.			 50 lbs.			 50 lbs.		
 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.					
 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.					
 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.					
 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.			 1 cu. ft.					

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

All models have 1" inlet and outlet connection. For 1-1/2" connection, order Adaptor Kit 7129211.

VALVE
7244477

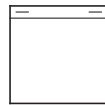


CONTROLLER
7362982



PA121XS - 100#
PA121CS - 180#
PA121MS - 340#
PA121GS - 440#

LITERATURE
KIT
7364308

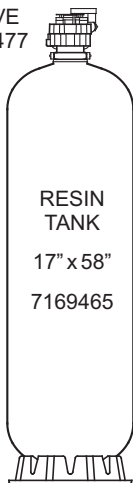


Mineral Bed	MODEL	GRAVEL 7124415		FILTER SAND 0993080		ACTIVATED CARBON 3424509	GREENSAND PLUS™ 7331101	ANTHRACITE 0993070		GARNET 0993090	
		lbs.	bags	lbs.	bags	1 cu. ft. bags	1/2 cu. ft. bags	lbs.	bags	lbs.	bags
	PA121XS	34	2	—	—	—	—	—	—	—	—
	PA121CS	17	1	—	—	2	—	—	—	—	—
	PA121MS	34	2	50	1	—	—	52	1	25	1*
	PA121GS	17	1	—	—	—	3	52	1	25	1*

Greensand Plus™ is a trademark of Inversand Company.

*1/2 of the bag included is used.

VALVE
7244477



CONTROLLER
7362982



PA171XS - 150#
PA171CS - 350#

LITERATURE
KIT
7364308

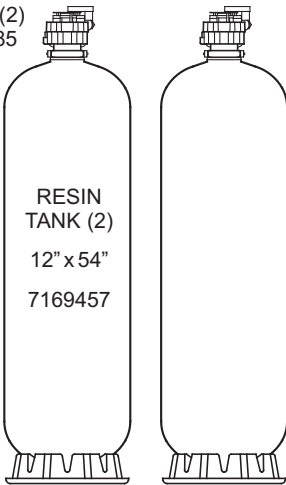


Mineral Bed	MODEL	GRAVEL 7124415		ACTIVATED CARBON 3424509
		lbs.	bags	1 cu. ft. bags
	PA171XS	100	2	—
	PA171CS	100	2	4

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

All models have 1" inlet and outlet connection. For 1-1/2" connection, order Adaptor Kit 7129211.

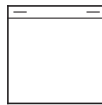
VALVE (2)
7244485



CONTROLLER
7362982



LITERATURE
KIT
7364308

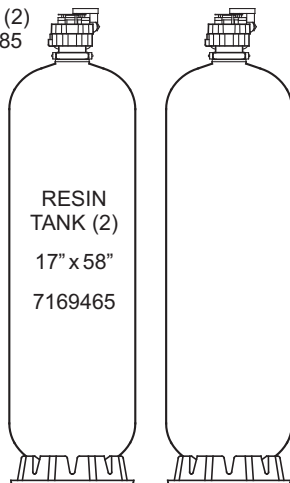


PA121XD - 190#
PA121CD - 370#
PA121MD - 620#
PA121GD - 830#

Mineral Bed	MODEL	GRAVEL 7124415		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
	PA121XD	68	4	—	—	—	—	—	—	—	—
	PA121CD	34	2	—	—	4	—	—	—	—	—
	PA121MD	68	4	100	2	—	—	104	2	50	1
	PA121GD	34	2	—	—	—	6	52	1	50	1

Greensand Plus™ is a trademark of Inversand Company.

VALVE (2)
7244485



CONTROLLER
7362982



LITERATURE
KIT
7364308



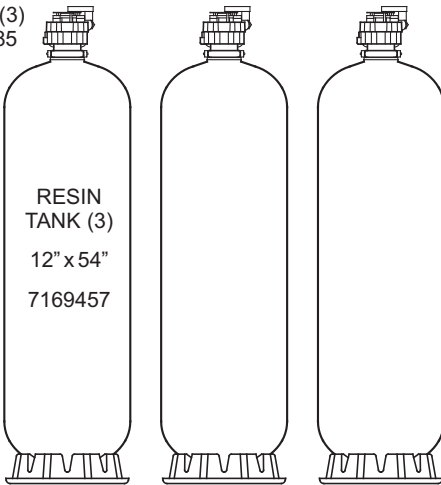
PA171XD - 300#
PA171CD - 700#

Mineral Bed	MODEL	GRAVEL 7124415		ACTIVATED CARBON 3424509
		lbs.	bags	1 cu. ft. bags
	PA171XD	200	4	—
	PA171CD	200	4	8

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

All models have 1" inlet and outlet connection. For 1-1/2" connection, order Adaptor Kit 7129211.

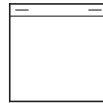
VALVE (3)
7244485



CONTROLLER
7362982



LITERATURE
KIT
7364308



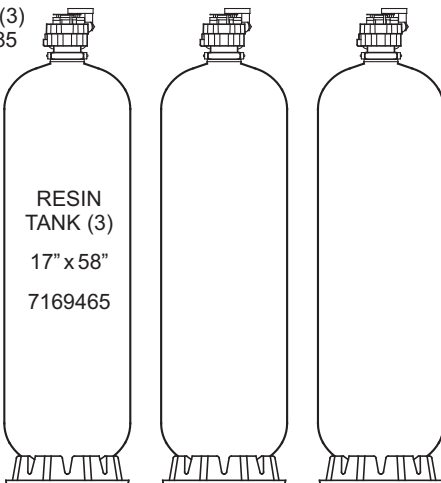
PA121XT - 300#
PA121CT - 540#
PA121MT - 860#
PA121GT - 1170#

Mineral Bed	MODEL	GRAVEL 7124415		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
	PA121XT	102	6	—	—	—	—	—	—	—	—
	PA121CT	51	3	—	—	6	—	—	—	—	—
	PA121MT	102	6	150	3	—	—	156	3	75	2*
	PA121GT	51	3	—	—	—	9	104	2*	75	2*

Greensand Plus™ is a trademark of Inversand Company.

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

VALVE (3)
7244485



CONTROLLER
7362982



LITERATURE
KIT
7364308



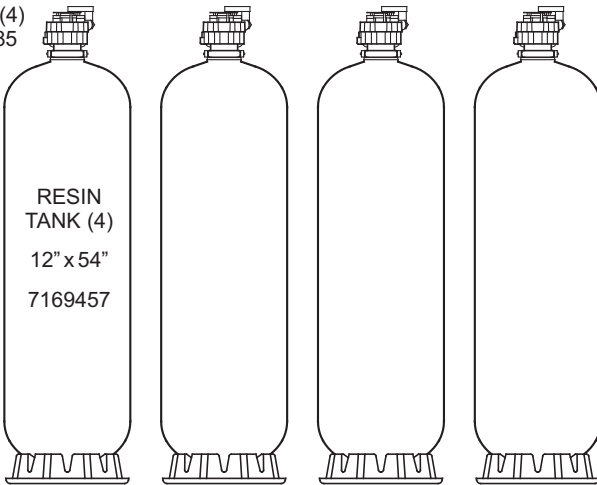
PA171XT - 580#
PA171CT - 1060#

Mineral Bed	MODEL	GRAVEL 7124415		ACTIVATED CARBON 3424509
		lbs.	bags	1 cu. ft. bags
	PA171XT	300	6	—
	PA171CT	300	6	12

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

All models have 1" inlet and outlet connection. For 1-1/2" connection, order Adaptor Kit 7129211.

VALVE (4)
7244485

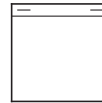


CONTROLLER
7362982



PA121XQ - 400#
PA121CQ - 740#
PA121MQ - 1150#
PA121GQ - 1600#

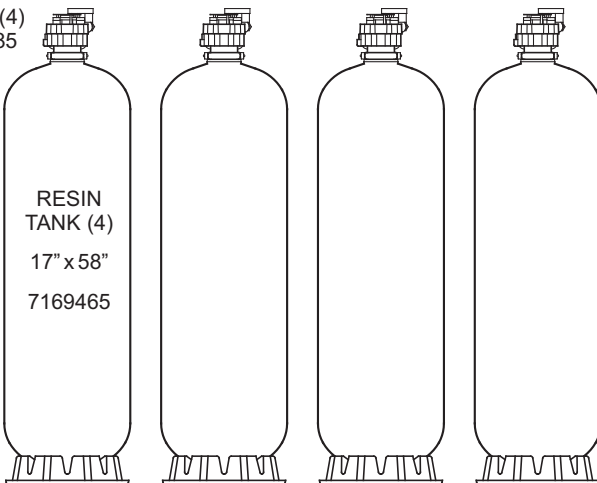
LITERATURE
KIT
7364308



	MODEL	GRAVEL 7124415		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	PA121XQ	136	8	—	—	—	—	—	—	—	—
	PA121CQ	68	4	—	—	8	—	—	—	—	—
	PA121MQ	136	8	200	4	—	—	208	4	100	2
	PA121GQ	68	4	—	—	—	12	104	2	100	2

Greensand Plus™ is a trademark of Inversand Company.

VALVE (4)
7244485



CONTROLLER
7362982



PA171XQ - 820#
PA171CQ - 1190#

LITERATURE
KIT
7364308



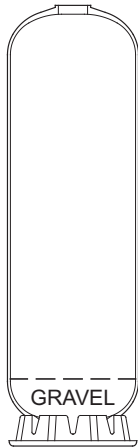
	MODEL	GRAVEL 7124415		ACTIVATED CARBON 3424509
		lbs.	bags	1 cu. ft. bags
Mineral Bed	PA171XS	400	8	—
	PA171CS	400	8	16

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

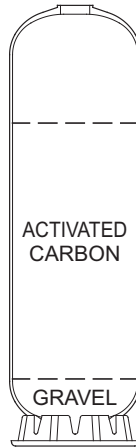
BEDDING SEQUENCE OF GRAVEL & MINERALS

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 – 1" VALVE

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

Accessory	
	Part Number
Adaptors (2) for 1-1/2" Application	7129211

Greensand Plus™ is a trademark of Inversand Company.