

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.

PA071S - 200# VALVE 7244419 CONTROLLER 7362982 LITERATURE KIT 7364269 RESIN TANK 12" x 54" 7169457 340# ROUND BRINE TANK 17" x 39" 7244702 GRAVEL 7124415 17 lbs. RESIN (2) 0502272 1 cu. ft. 1 cu. ft.				PA071D - 390# VALVE (2) 7244443 CONTROLLER 7362982 LITERATURE KIT 7364269 RESIN TANK (2) 12" x 54" 7169457 340# ROUND BRINE TANK 17" x 39" 7244702 GRAVEL (2) 7124415 17 lbs. 17 lbs. RESIN (4) 0502272 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft.			
PA071T - 600# VALVE (3) 7244443 CONTROLLER 7362982 LITERATURE KIT 7364269 RESIN TANK (3) 12" x 54" 7169457 340# ROUND BRINE TANK (2) 17" x 39" 7244702 GRAVEL (3) 7124415 17 lbs. 17 lbs. 17 lbs. RESIN (6) 0502272 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft.				PA071Q - 780# VALVE (4) 7244443 CONTROLLER 7362982 LITERATURE KIT 7364269 RESIN TANK (4) 12" x 54" 7169457 340# ROUND BRINE TANK (2) 17" x 39" 7244702 GRAVEL (4) 7124415 17 lbs. 17 lbs. 17 lbs. 17 lbs. RESIN (8) 0502272 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft.			
PA101S - 300# PA131S - 360# VALVE 7244427 CONTROLLER 7362982 LITERATURE KIT 7364269 RESIN TANK 17" x 58" 7169465 1000# ROUND BRINE TANK 24" x 50" 7228659 GRAVEL (2) 7124415 17 lbs. 17 lbs. RESIN 0502272 101 - (3) 131 - (4) 1 cu. ft. 1 cu. ft. 1 cu. ft.				PA101D - 590# PA131D - 690# VALVE (2) 7244451 CONTROLLER 7362982 LITERATURE KIT 7364269 RESIN TANK (2) 17" x 58" 7169465 1000# ROUND BRINE TANK 24" x 50" 7228659 BRINE LINE KIT 7244744 GRAVEL (4) 7124415 17 lbs. 17 lbs. 17 lbs. 17 lbs. RESIN 0502272 101 - (6) 131 - (8) 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft. 1 cu. ft.			
PA101T - 900# PA131T - 1050# VALVE (3) 7244451 CONTROLLER 7362982 BRINE LINE KIT 7244744 RESIN TANK (3) 17" x 58" 7169465 1000# ROUND BRINE TANK (2) 24" x 50" 7228659 LITERATURE KIT 7364269 GRAVEL (6) 7124415 17 lbs. 17 lbs. 17 lbs. 17 lbs. 17 lbs. 17 lbs. RESIN 0502272 101 - (9) 131 - (12) 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.				PA101Q - 1180# PA131Q - 1390# VALVE (4) 7244451 CONTROLLER 7362982 BRINE LINE KIT (2) 7244744 RESIN TANK (4) 17" x 58" 7169465 1000# ROUND BRINE TANK (2) 24" x 50" 7228659 LITERATURE KIT 7364269 GRAVEL (8) 7124415 17 lbs. 17 lbs. 17 lbs. 17 lbs. 17 lbs. 17 lbs. 17 lbs. RESIN* 0502272 101 - (12) 131 - (16) 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.			

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PA191S - 620#
PA251S - 720#
PA321S - 820#

VALVE 7244427

CONTROLLER 7362982

GRAVEL (3)
7124423 (1)
50 lbs.

RESIN 0502272
191 - (6)
251 - (8)
321 - (10)

LITERATURE KIT 7364269

RESIN TANK 24" x 71" 7141409

1500# ROUND BRINE TANK 30" x 51" 7228633

7127073 (1)
50 lbs.

4104600 (1)
50 lbs.

1 cu. ft.
1 cu. ft.
1 cu. ft.
1 cu. ft.
1 cu. ft.

PA191D - 1290#
PA251D - 1500#
PA321D - 1700#

VALVE (2) 7244451

CONTROLLER 7362982

GRAVEL (6)
7124423 (2)
50 lbs.
50 lbs.

RESIN 0502272
191 - (12)
251 - (16)
321 - (20)

BRINE LINE KIT 7244744

LITERATURE KIT 7364269

RESIN TANK (2) 24" x 71" 7141409

1500# ROUND BRINE TANK 30" x 51" 7228633

7127073 (2)
50 lbs.
50 lbs.

4104600 (2)
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.

PA191T - 1910#
PA251T - 2220#
PA321T - 2530#

VALVE (3) 7244451

CONTROLLER 7362982

BRINE LINE KIT 7244744

LITERATURE KIT 7364269

RESIN TANK (3) 24" x 71" 7141409

1500# ROUND BRINE TANK (2) 30" x 51" 7228633

GRAVEL (9)
7124423 (3)
50 lbs.
50 lbs.
50 lbs.

7127073 (3)
50 lbs.
50 lbs.
50 lbs.

RESIN 0502272
191 - (18)
251 - (24)
321 - (30)

4104600 (3)
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.

PA191Q - 2580#
PA251Q - 2990#
PA321Q - 3410#

VALVE (4) 7244451

CONTROLLER 7362982

BRINE LINE KITS (2) 7244744

LITERATURE KIT 7364269

RESIN TANK (4) 24" x 71" 7141409

1500# ROUND BRINE TANK (2) 30" x 51" 7228633

GRAVEL (12)
7124423 (4)
50 lbs.
50 lbs.
50 lbs.
50 lbs.

7127073 (4)
50 lbs.
50 lbs.
50 lbs.
50 lbs.

RESIN 0502272
191 - (24)
251 - (32)
321 - (40)

4104600 (4)
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.

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

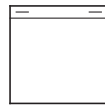


CONTROLLER
7362982



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

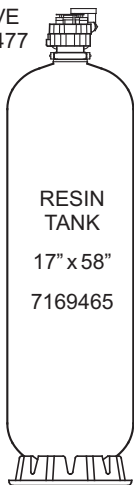
LITERATURE
KIT
7364308



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

*1/2 of the bag included is used.

VALVE
7244477



CONTROLLER
7362982



PA171XS - 150#
PA171CS - 350#

LITERATURE
KIT
7364308

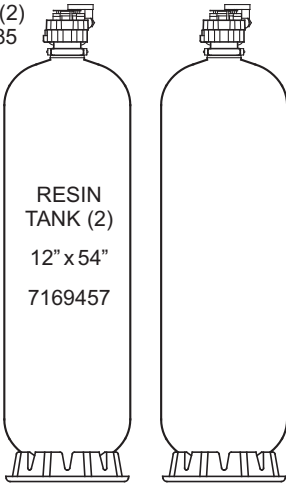


	MODEL	GRAVEL 7124415		ACTIVATED CARBON 3424509
		lbs.	bags	1 cu. ft. bags
Mineral Bed	PA171XS	100	2	–
	PA171CS	100	2	4

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

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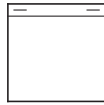
VALVE (2)
7244485



CONTROLLER
7362982



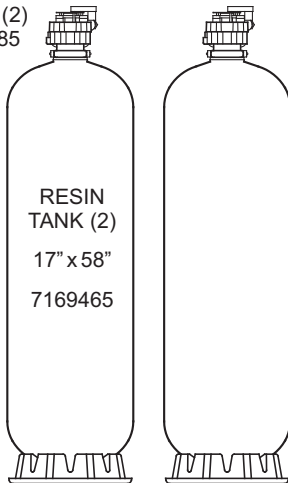
LITERATURE
KIT
7364308



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

Mineral Bed	MODEL	GRAVEL 7124415		FILTER SAND 0993080		ACTIVATED CARBON 3424509	MANGANESE GREENSAND 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

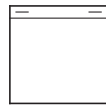
VALVE (2)
7244485



CONTROLLER
7362982



LITERATURE
KIT
7364308



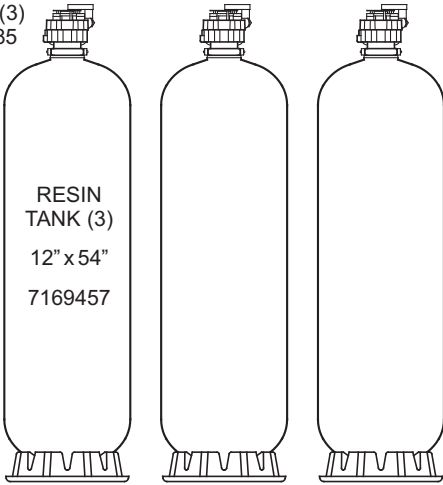
PA171XD - 300#
PA171CD - 700#

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

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VALVE (3)
7244485

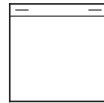


CONTROLLER
7362982



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

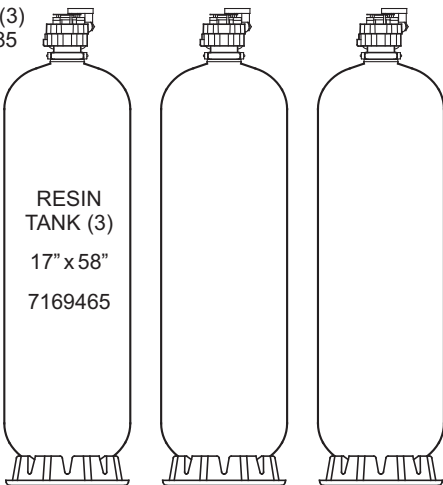
LITERATURE
KIT
7364308



Mineral Bed	MODEL	GRAVEL 7124415		FILTER SAND 0993080		ACTIVATED CARBON 3424509	MANGANESE GREENSAND 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*

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

VALVE (3)
7244485



CONTROLLER
7362982



PA171XT - 580#
PA171CT - 1060#

LITERATURE
KIT
7364308

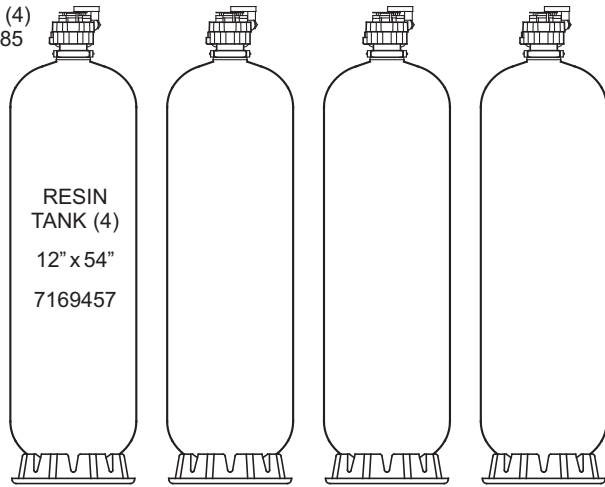


Mineral Bed	MODEL	GRAVEL 7124415		ACTIVATED CARBON 3424509
		lbs.	bags	1 cu. ft. bags
	PA171XT	300	6	–
	PA171CT	300	6	12

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VALVE (4)
7244485

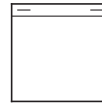


CONTROLLER
7362982



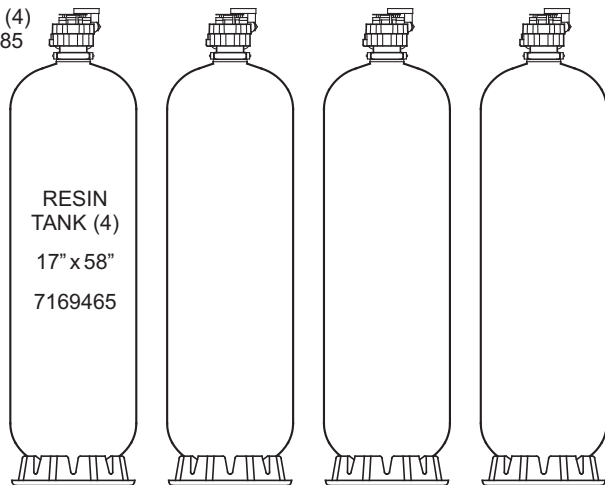
PA121XQ - 400#
PA121CQ - 740#
PA121MQ - 1150#
PA121GQ - 1600#

LITERATURE
KIT
7364308



	MODEL	GRAVEL 7124415		FILTER SAND 0993080		ACTIVATED CARBON 3424509	MANGANESE GREENSAND 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

VALVE (4)
7244485



CONTROLLER
7362982



PA171XQ - 820#
PA171CQ - 1190#

LITERATURE
KIT
7364308



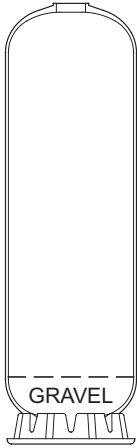
	MODEL	GRAVEL 7124415		ACTIVATED CARBON 3424509
		lbs.	bags	1 cu. ft. bags
Mineral Bed	PA171XS	400	8	–
	PA171CS	400	8	16

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

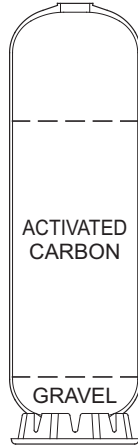
BEDDING SEQUENCE OF GRAVEL & MINERALS

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

**NO MEDIA
(GRAVEL ONLY) FILTERS**



CARBON FILTERS



MULTI-MEDIA FILTERS



GREENSAND 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
Manganese Greensand	7331101	44

Accessories	
	Part Number
Hard Water Bypass Prevention Kit, 1”	7128825
Adaptors (2) for 1-1/2” Application	7129211