

INDUSTRIAL DIAPHRAGM VALVE KITS



COMPOSITE (PLASTIC) VALVE KITS FOR WATER SOFTENERS

Composite (Plastic) Valve Kits for Water Softeners

Part Number	Tank Size Inches	Pipe Size Inches	Service Rate GPM	Backwash Rate GPM	Valves #1 & #2 (Service)	Valve #3 (Backwash Out)	Valve #4 (Backwash In)	Valve #5 (Brine)	Valve #6 (Rinse)	Brine Injector	Drain Line Flow Control
VNPWS21	21	1	26	12	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	OM-2.5075 (0.75" FPT PVC)	OM-TH1252/12 (1.25" MPT PVC)
VNPWS24	24	1.5	52	16	K534-X200-14000 (1070308)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	OM-3.5075 (0.75" FPT PVC)	OM-TH1252/16 (1.25" MPT PVC)
VNPWS30	30	2	80	25	K535-X200-14000 (1070312)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	K531-X200-14000 (1070304)	OM-5.0075 (0.75" FPT PVC)	OM-TH1504/25 (1.5" MPT PVC)
VNPWS36	36	2	112	35	K535-X200-14000 (1070312)	K534-X200-14000 (1070308)	K534-X200-14000 (1070308)	K534-X200-14000 (1070308)	K534-X200-14000 (1070308)	OM-7100 (1" FPT PVC)	OM-TH1504/35 (1.5" MPT PVC)
VNPWS42	42	3	152	48	K537-X200-14000 (1070316)	K534-X200-14000 (1070308)	K534-X200-14000 (1070308)	K534-X200-14000 (1070308)	K534-X200-14000 (1070308)	OM-10100 (1" FPT PVC)	OM-TH2007/48 (2" MPT PVC)
VNPWS48	48	3	200	63	K537-X200-14000 (1070316)	K535-X200-14000 (1070312)	K535-X200-14000 (1070312)	K535-X200-14000 (1070312)	K535-X200-14000 (1070312)	OM-12150 (1.5" FPT PVC)	OM-TH2007/63 (2" MPT PVC)
VNPWS63	63	3	312	98	K537-X200-14000 (1070316)	K535-X200-14000 (1070312)	K535-X200-14000 (1070312)	K535-X200-14000 (1070312)	K535-X200-14000 (1070312)	OM-20150 (1.5" FPT PVC)	OM-TH30014/98 (3" MPT PVC)

The above valve nests include the necessary valve socket adapters (ASTM). Metric sizes (JIS and ISO) are available at no additional cost. These kits do **not** include the interconnecting pipe or fittings.

Optional Regeneration Bypass Valves

Part Number	Tank Size Inches
K531-X2B2-14000	21 to 24
K534-X2B2-14000	30 to 42
K535-X2B2-14000	48 to 63

Bypass Valve Socket Weld Adapter Kits

Part Number	Description
QA-K531060	1 inch ASTM
QA-K534060	1.5 inch ASTM
QA-K535060	2 inch ASTM

Valve Sizes

K531	1 inch
K534	1.5 inch
K535	2 inch
K537	3 inch

Flow Rate is based on 5 GPM per cubic foot at 6 lbs of salt per cubic foot per regeneration for greater than 90% hardness removal.

Reduce Flow Rate to 3.5 GPM per cubic foot at 10 to 12 lbs of salt per cubic foot per regeneration for 100% hardness removal (Service Flow Rate x 0.7).

Peak Flow Rate: (Service Flow Rate x 2.0).

INDUSTRIAL DIAPHRAGM VALVE KITS



CAST IRON VALVE KITS FOR WATER SOFTENERS

Cast Iron Valve Kits for Water Softeners

Part Number	Tank Size Inches	Pipe Size Inches	Service Rate GPM	Backwash Rate GPM	Valves #1 & #2 (Service)	Valve #3 (Backwash Out)	Valve #4 (Backwash In)	Valve #5 (Brine)	Valve #6 (Rinse)	Brine Injector	Drain Line Flow Control
VNMWS21	21	1.25	26	12	V42D-0000-00000 (1070023)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	OM-2.5075 (0.75" FPT PVC)	OM-ST1252/12 (1.25" MPT Steel)
VNMWS24	24	1.5	52	16	V42E-0000-00000 (1070025)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	OM-3.5075 (0.75" FPT PVC)	OM-ST1252/16 (1.25" MPT Steel)
VNMWS30	30	2	80	25	V42F-0000-00000 (1070035)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	V42C-0000-00000 (1070011)	OM-5.0075 (0.75" FPT PVC)	OM-ST1504/25 (1.5" MPT Steel)
VNMWS36	36	2	112	35	V42G-0000-00000 (1070041)	V42D-0000-00000 (1070023)	V42D-0000-00000 (1070023)	V42D-0000-00000 (1070023)	V42D-0000-00000 (1070023)	OM-7100 (1" FPT PVC)	OM-ST1504/35 (1.5" MPT Steel)
VNMWS42	42	2.5	152	48	V42H-0000-00000 (1070042)	V42E-0000-00000 (1070025)	V42E-0000-00000 (1070025)	V42E-0000-00000 (1070025)	V42E-0000-00000 (1070025)	OM-10100 (1" FPT PVC)	OM-ST2007/48 (2" MPT Steel)
VNMWS48	48	3	200	63	V42J-0000-00000 (1070043)	V42E-0000-00000 (1070025)	V42E-0000-00000 (1070025)	V42E-0000-00000 (1070025)	V42E-0000-00000 (1070025)	OM-12150 (1.5" FPT PVC)	OM-ST2007/63 (2" MPT Steel)
VNMWS54	54	3	256	80	V42J-0000-00000 (1070043)	V42F-0000-00000 (1070035)	V42F-0000-00000 (1070035)	V42F-0000-00000 (1070035)	V42F-0000-00000 (1070035)	OM-15150 (1.5" FPT PVC)	OM-ST2509/80 (2.5" MPT Steel)
VNMWS60	60	4	312	98	V42K-3000-00000	V42F-0000-00000 (1070035)	V42F-0000-00000 (1070035)	V42F-0000-00000 (1070035)	V42F-0000-00000 (1070035)	OM-20150 (1.5" FPT PVC)	OM-ST30014/98 (3" MPT Steel)
VNMWS66	66	4	380	120	V42K-3000-00000	V42H-0000-00000 (1070042)	V42H-0000-00000 (1070042)	V42G-0000-00000 (1070041)	V42H-0000-00000 (1070042)	QA-5461 (2" FPT PVC)	OM-ST30014/120 (3" MPT Steel)
VNMWS72	72	4	425	152	V42K-3000-00000	V42H-0000-00000 (1070042)	V42H-0000-00000 (1070042)	V42G-0000-00000 (1070041)	V42H-0000-00000 (1070042)	QA-5465 (2" FPT PVC)	OM-ST40025/152 (4" MPT Steel)

Optional Regeneration Bypass Valves

Part Number	Tank Size Inches
V42C-0032-00000	21
V42D-0032-00000	24
V42E-0032-00000	30 to 36
V42F-0032-00000	42
V42H-0032-00000	48 to 54
V42J-0032-00000	60 to 72

Valve Sizes

V42C	1 inch
V42D	1.25 inch
V42E	1.5 inch
V42F	2 inch
V42G	2 inch High Flow
V42H	2.5 inch
V42J	3 inch
V42K	4 inch

1.25 thru 3 inch valve nests are female NPT. 4 inch valve nests are flanged (ASTM). Metric flanges and thread sizes (BST & JIS) are available at no additional cost. These kits do **not** include the interconnecting pipe or fittings.

Flow Rate is based on 5 GPM per cubic foot at 6 lbs of salt per cubic foot per regeneration for greater than 90% hardness removal.

Reduce Flow Rate to 3.5 GPM per cubic foot at 10 to 12 lbs of salt per cubic foot per regeneration for 100% hardness removal (Service Flow Rate x 0.7).

Peak Flow Rate: (service flow rate x 2.0).