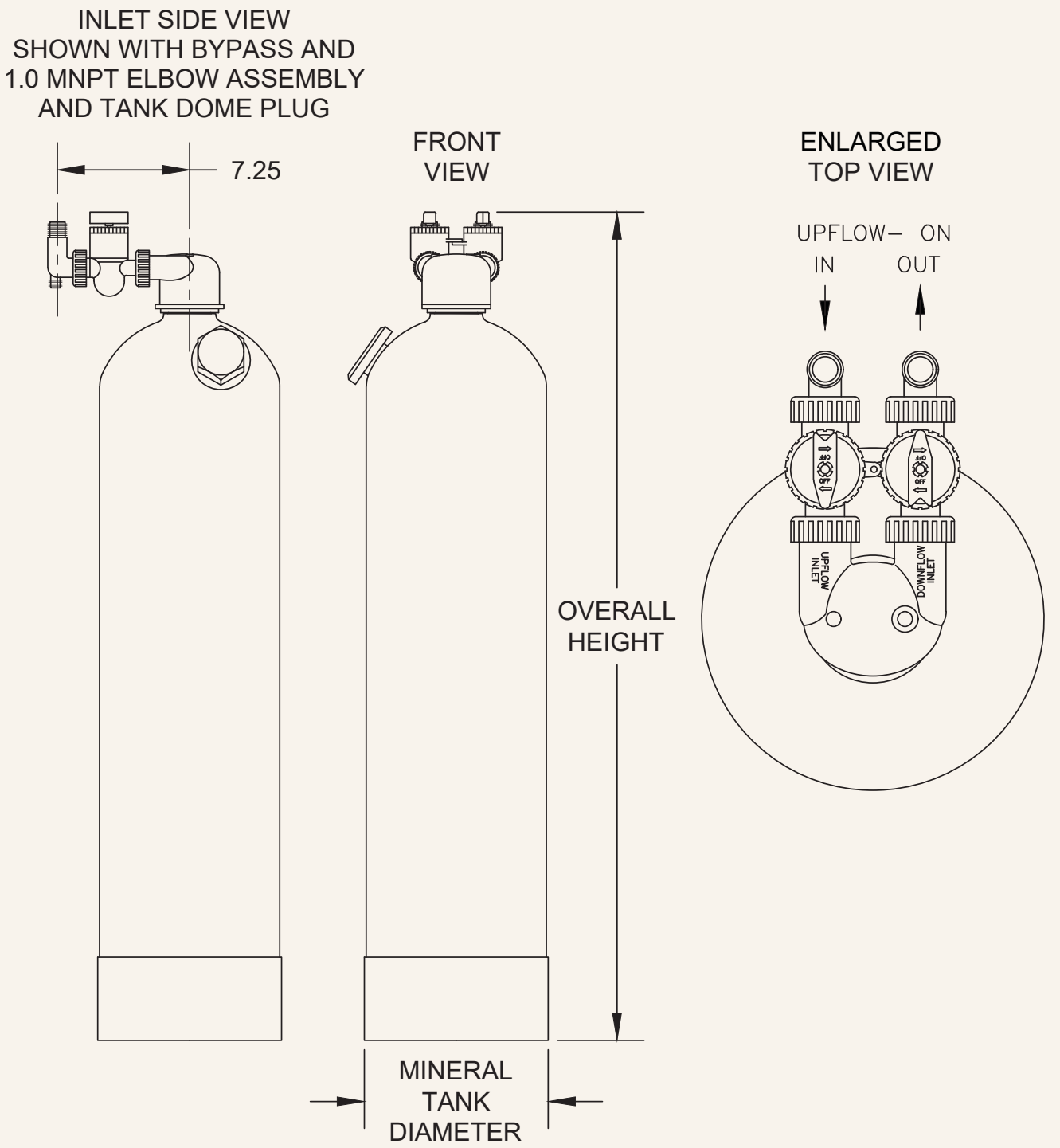
UP-FLOW SERIES UFDANSM SUPER MIX ACID NEUT



UP-FLOW SERIES UFDANSM SUPER MIX ACID NEUT

UFDANSM SPECIFICATIONS		ACID NEUTRALIZER (SUPER MIX) FILTER			
Model Number		7-UFDANSM-1B	7-UFDANSM-1.5B	7-UFDANSM-2B	7-UFDANSM-3B
Inlet/Outlet Fitting Options (Inches)[1]		0.75 - 1.0[1] - 1.25 - 1.5	0.75 - 1.0[1] - 1.25 - 1.5	0.75 - 1.0[1] - 1.25 - 1.5	0.75 - 1.0[1] - 1.25 - 1.5
In / Out Head 1191 (Part Number)		DI400	DI400	DI400	DI400
Bypass Included		Yes	Yes	Yes	Yes
Water Pressure Range (PSI)		20 - 100	20 - 100	20 - 100	20 - 100
Water Operating Temperature Range (°F)		35 - 100	35 - 100	35 - 100	35 - 100
Amount of Super Mix (Cubic Feet)[2]		1	1.5	2	3
Service Flow Rates (GPM)[3]	Continuous	2.7	2.7	4.6	4.6
	Intermittent (Peak)	5.5	5.5	9.2	9.2
Overall Height (Inches)		52.2	59.4	60	70.1
Mineral Tank Size: Diameter x Height (Inches)		10 x 47	10 x 54	13 x 54	13 x 65
Mineral Tank Dome Plug and O-Ring		Yes	Yes	Yes	Yes
Bottom Distributor Type		Stack - II Segment	Stack - II Segment	Stack - II Segment	Stack - II Segment
Top Basket Distributor		No	No	No	No
Support Bedding		Yes	Yes	Yes	Yes

[1]1.0 MNPT Elbow Standard - Options Available

[2]**Mineral used: Super Mix (80% Calcite / 20% Corosex):**

Calcite (16 x 40 mesh size) is a crushed and screened grey-white marble media which can inexpensively be used to neutralize acidic or low pH waters to a neutral, less corrosive effluent. Calcite is a naturally occurring calcium carbonate media. One of the advantages of Calcite is its self-limiting property. When properly applied, it corrects pH only enough to reach a non-corrosive equilibrium. It does not overcorrect under normal conditions. Upon contact with Calcite, acidic waters slowly dissolve the calcium carbonate to raise the pH which reduces the potential leaching of copper, lead and other metals found in typical plumbing systems. Depending on pH, water chemistry and service flow, the Calcite bed will have to be periodically replenished as the Calcite is depleted. As the Calcite's calcium carbonate neutralizes the water, it will increase hardness and a softener may become necessary after the neutralizing filter.

Corosex is a specially processed hard, bead-like brownish-white magnesia, adapted for use in filters to neutralize acidity by increasing the pH value. Corosex, being a highly reactive magnesium oxide, is used most effectively where pH correction is substantial or high flow conditions are in use. pH correction and media consumption are affected by a number of water chemical variables. Under certain low flow conditions, Corosex may overcorrect and create a highly basic (high pH) condition. Under certain hardness conditions, pH correction can cause hardness minerals to precipitate out of solution, resulting in cementing or solidification of the Corosex mineral bed. As Corosex's magnesium oxide neutralizes the water, it will increase hardness and a softener may become necessary after the neutralizing filter.

Super Mix (80% Calcite / 20% Corosex) effectively combines the high flow neutralization properties of Corosex, along with the slower reacting low flow properties of Calcite, increasing the ability to correct low pH and reducing potentially high basic properties due to overcorrection. Being soluble to acidity, Super Mix will slowly dissolve and will need to be replenished periodically.

Influent Limitations and Operating Parameters:

Filtration before an Up-Flow Acid Neutralizer is highly recommended to prevent plugging of the bottom distributor.
Calcite will neutralize acidic water pH as low as 6.0.
For pH range of 5.5 to 5.9, Super Mix (80% Calcite & 20% Corosex) is recommended.
For pH below 5.5, consult factory.

[3]**Basis for Service Flow Rates:**

Continuous - 5 GPM/SQ. FT.
Intermittent (Peak) - 10 GPM/SQ. FT.
Higher flow rates are possible, however lower flow rates produce higher quality water.