



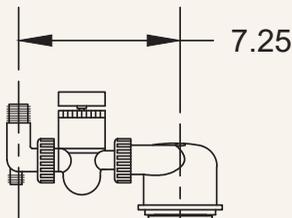
LANCASTER

WATER TREATMENT

UP-FLOW UFAS - ECOSENSE ANTI-SCALE SYSTEM

UP-FLOW SERIES UFAS ECOSENSE ANTI-SCALE SYSTEM

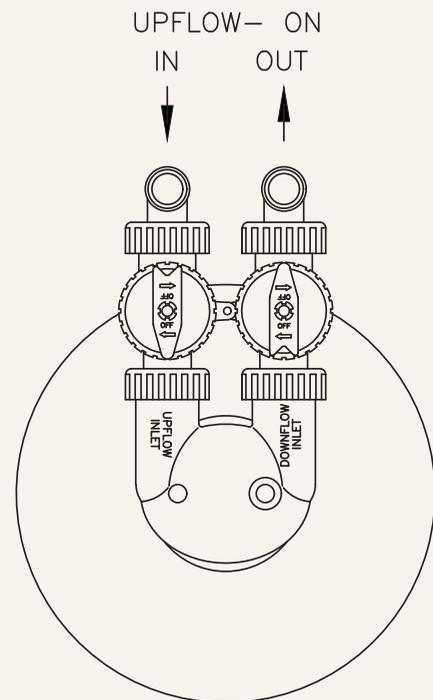
INLET SIDE VIEW
SHOWN WITH BYPASS
AND
1.0 MNPT ELBOW ASSEMBLY



FRONT VIEW



ENLARGED TOP VIEW



UP-FLOW SERIES UFAS ECOSENSE ANTI-SCALE SYSTEM

UFAS SPECIFICATIONS	ANTI-SCALE SYSTEM		
Model Number	7-UFAS-011	7-UFAS-016	7-UFAS-026
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
In / Out Head I191 (Part Number)	DI400	DI400	DI400
Bypass Included	Yes	Yes	Yes
Water Pressure Range (PSI)	20 - 100	20 - 100	20 - 100
Water Operating Temperature Range (°F)	35 - 100	35 - 100	35 - 100
Amount of Filtersorb SP3 (Cubic Feet) ²	0.11	0.16	0.26
Filtersorb SP3 Weight (LBS)	5.0	7.6	12.7
Maximum Service Flow Rates (GPM)	10	15	25
Overall Height (Inches)	49.2	59.4	53.3
Mineral Tank Size: Diameter x Height (Inches)	8 x 44	10 x 54	13 x 48
Bottom Distributor Type	Plate	Plate	Plate
Top Basket Distributor	Yes	Yes	Yes
Underbed Layer	No	No	No

¹1.0 MNPT Elbow Standard - Options Available

²Mineral used: Filtersorb SP3 is a scale prevention media, developed and produced in Germany by CWG (Chopra Water Group) / Watch Water Germany, and is distributed in the USA by Watch Water USA. Filtersorb SP3 is NOT an ion exchange resin therefore should NOT be considered a water softening media. Filtersorb SP3 is a "GREEN" alternative to ion exchange softeners.

Primary Benefits:

Filtersorb SP3 media prevents the formation of scale on heating elements and on the pipes and hardware of plumbing systems. Water is directed UPFLOW through a fluidized layer of media which acts as a catalyst, pulling the hardness minerals of calcium and magnesium out of solution. The media (ceramic coated modified acrylic polymer beads) transforms the calcium and magnesium cations into neutral inactive crystal particles. The crystal particles attach to the media for a short time until they cluster to nano-sized particles and break off, freely flowing through the system and not able to attach to any surfaces. The process is called NUCLEATION ASSISTED CRYSTALLIZATION or NAC.

The media has a de-scaling effect on the existing scale already present in the plumbing system. After the old calcium deposits are removed, a 30-80 micron thick layer is formed on metallic piping for corrosion prevention (80 micron = approximately 0.003"). After this layer is formed, it can no longer grow bigger, but creates complete protection.

Additional Benefits:

- Maintenance Free
- Chemical Free
- Salt Free
- No Wasted Water (i.e. no regeneration or backwashing)
- No Electricity Required
- WQA Gold Seal ANSI/NSF 61 (Health Effects)

Operating Parameters:

- pH 6.5 - 9.5 (6.8 - 7.5 optimum pH range for calcium carbonate, 7.0 - 8.0 optimum range for magnesium hydroxide).
- Ferrous Iron (Soluble) < (less than) 0.3 mg/L (or ppm).
- Manganese (Soluble) < (less than) 0.05 mg/L (or ppm).
- Chlorine - up to 3 ppm (treat Filtersorb SP3 same as softener resin regarding chlorine).
- No Hydrogen Sulfide, Oil, Grease or Polyphosphates.
- Hardness 25 gpg (grains per gallon) max. for models shown above (up to 75 gpg possible but unit size must be re-evaluated).
- Do not exceed recommended flow rates.
- Designed for intermittent flows; for continuous flows, consult factory.
- The effective average lifespan of Filtersorb SP3 is 5 to 7 years, depending on the feed water conditions.