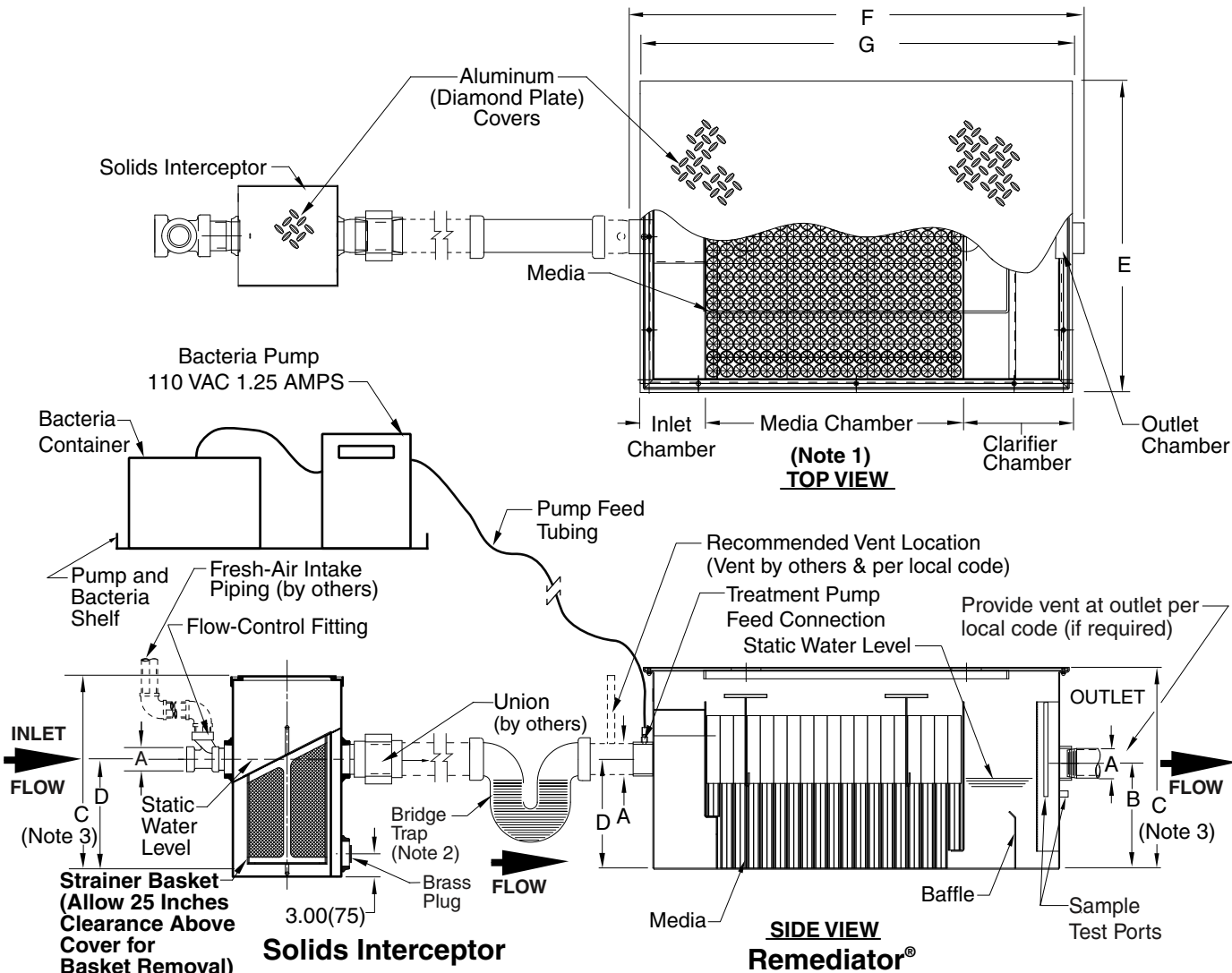


REMIATOR® GREASE TREATMENT SYSTEM

FUNCTION: The Smith Remediator® is designed to be installed in the drainage plumbing of commercial and institutional kitchen facilities for the purpose of intercepting, separating, retaining and biologically disposing of grease, oil and other organic and inorganic material, not including human waste, contained in effluent of such facilities.



PART NO.	GPM	A	B	C	D	E	F	G	No. of Sections per media
△ ▲ * 8970-20	20	02" (50)	12 (305)	21 5/16 (541)	12 1/2 (320)	14 7/8 (378)	44 1/8 (1120)	42 1/8 (1070)	1
△ ▲ * 8970-35	35	02" (50)	12 (305)	21 5/16 (541)	12 1/2 (320)	24 7/16 (621)	52 13/64 (1326)	49 3/4 (1265)	1
△ ▲ * 8970-50	50	03" (75)	12 1/2 (320)	21 5/16 (541)	13 (330)	30 1/2 (775)	52 13/64 (1326)	49 3/4 (1265)	3
8970-75	75	03" (75)	12 1/2 (320)	21 5/16 (541)	13 (330)	35 1/2 (900)	52 13/64 (1326)	49 3/4 (1265)	3

NOTE 1: The 8970-50 and 8970-75 Media is Divided into Multiple Sections - See Chart Above.

NOTE 2: Bridge Trap Only Available in 02" and 03" Sizes. 04" Not Available.

NOTE 3: "C" Dimension can be increased if required up to a maximum of 35.00"(889).

REGULARLY FURNISHED:

Stainless Steel Pretreatment Unit with Media and Biological Treatment Pump with Preset Timer. Stainless Steel Solids Interceptor with Aluminum (Diamond Plate) Cover, Cast Iron Bridge Trap and Cast Iron Flow-Control Fitting.

* P.D.I. Certification to PDI-G101.
 ▲ IAPMO Listed. File No. 3782
 △ NES listed PCR GI 101.012

NOTE: Dimensions shown in parentheses are in millimeters.

PROTECTED UNDER PATENT NO. 6,916,421

REV.	DATE	DESCRIPTION	BY	CKD. BY
AA	04/05/10	Changed Decimals to Fractions	JJ	AM
Z	07/25/05	Added Patent Number	JJ	SW
Y	3-30-05	Revised Drawing	TBW	CL

WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
		8970

DRAWING NUMBER: S8970
 SIZE: A
 SCALE: NONE
 DATE: 6-25-96
 APPROVED BY: SB
 CHECKED BY: WAS
 DRAWN BY: EMB
 FIGURE NUMBER: 8970

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

INSTALLATION PROCEDURES

PLACEMENT: The Remediator® may be installed with either a right or left inlet by simply reversing the orientation of the unit. In determining the location of the unit relative to the piping layout at the site, observe the following:

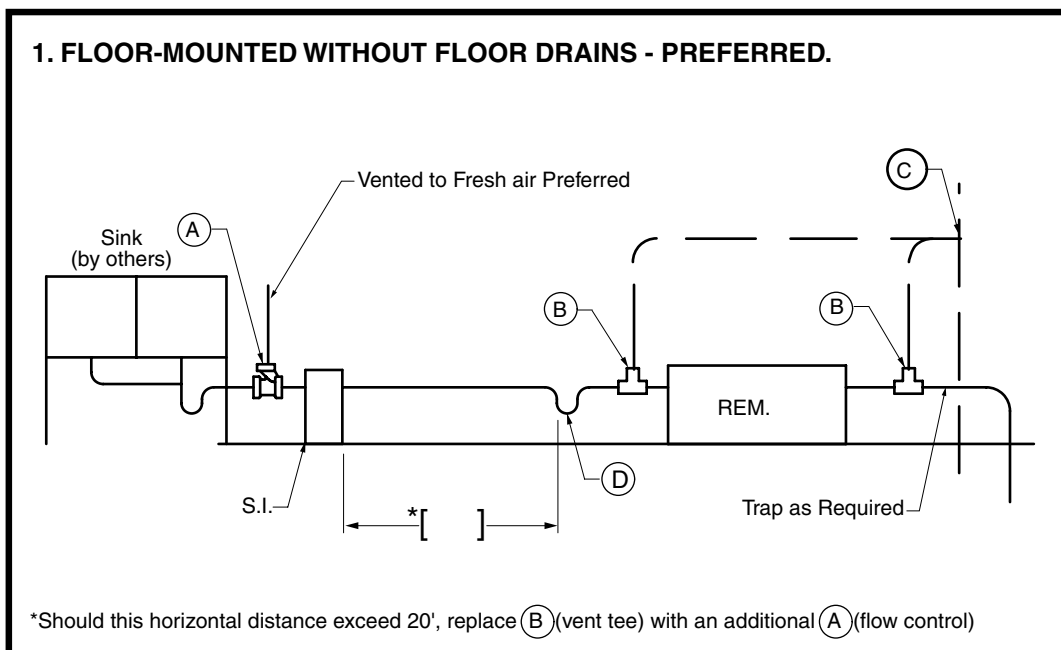
1. The Remediator® should be installed at the closest available location downstream of the last contributing fixture before intersection with any blackwater piping.
2. That location in the piping layout which satisfies Item (1), should provide reasonable access for inspection and service as well as access to the solids strainer for ease of solids removal.
3. Provision for routing air to the air-injecting 8000 series flow control is mandatory and shall be accomplished per the requirements of the applicable Local Plumbing Code. (The Jay R. Smith Mfg. 8000 Series Flow Control Fitting with the appropriate orifice size is included in the Remediator® package). Normal venting in compliance with Local Plumbing Codes is sufficient for average installations.
4. The bridge trap furnished with the system must be installed to ensure proper functioning of the system.

PLUMBING: THE ORDER OF FLOW IS: (LAST CONTRIBUTING FIXT.) → (FLOWCONTROL) → (SOLIDS INTERCEPTOR) → (TRAP) → (VENT) → (REMIATOR®)
NO DEVIATION FROM THIS ORDER IS PERMISSIBLE.

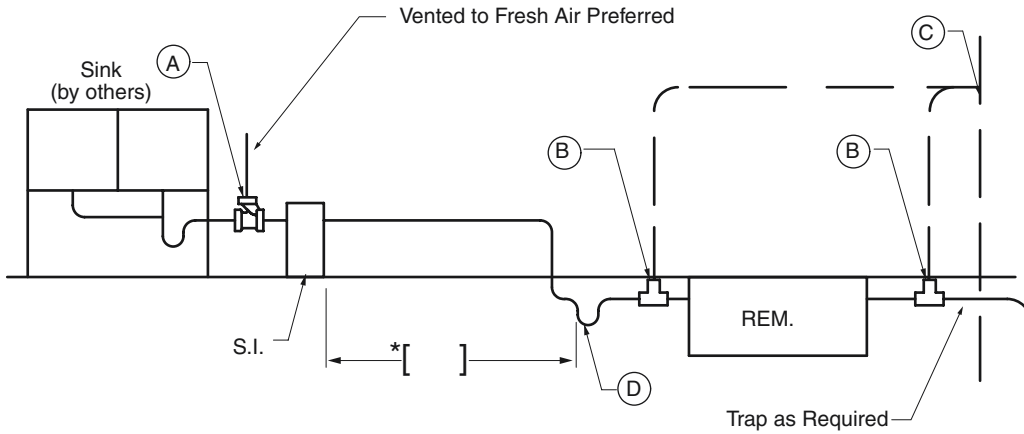
Standard PVC piping is suitable to connect the unit, utilizing conventional fittings or "no-hub" adapters at the inlet and outlet of the unit itself.

1. Place the unit on a hard level surface. Check with local Certified Installer or Health Authorities regarding raising or sealing at the base of the unit. In the event raising is required, the unit is structurally designed to allow supports to be placed at both ends of the unit. (Such supports should be of suitable strength and material.)

2. Place the air injecting flow control as close to the last contributing fixture as possible. For purposes of convenience, the solids strainer may be placed a reasonable distance from the flow control.



2. PARTIAL RECESSED IN FLOOR WITHOUT FLOOR DRAIN - GOOD.

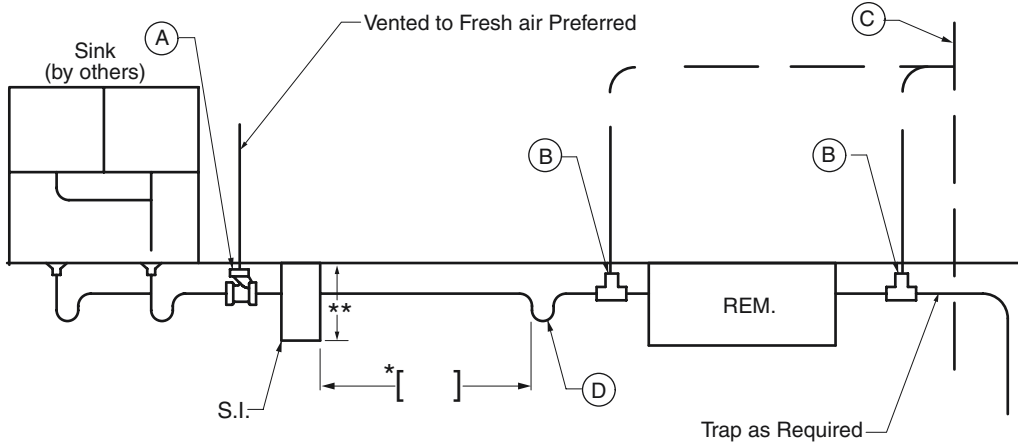


*Should this horizontal distance exceed 20', replace (B) (vent tee) with an additional (A) (flow control)

NOTES:

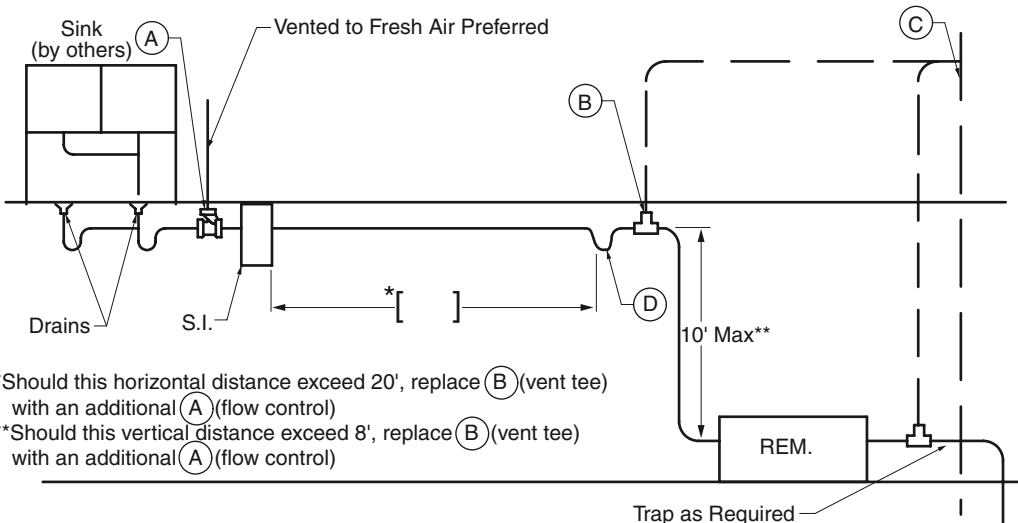
1. Illustrations are general and actual installations must be in accordance with the requirements of the applicable plumbing code.
2. All piping (waste and vent) furnished and installed by others.
3. Other installation Configuration not shown will void warranty and representation of performance.

3. RECESSED FLUSH IN FLOOR WITH FLOOR DRAINS - GOOD.



*Should this horizontal distance exceed 20', replace (B) (vent tee) with an additional (A) (flow control)
 **Overall height can be increased if required to a maximum of 35"

4. PARTIAL INSTALLATION ON LOWER LEVEL WITH FLOOR DRAINS - NOT PREFERRED.



*Should this horizontal distance exceed 20', replace (B) (vent tee) with an additional (A) (flow control)
 **Should this vertical distance exceed 8', replace (B) (vent tee) with an additional (A) (flow control)

- REM.** -Remediator® (furnished)
- S.I.** -Solids Interceptor (furnished)
- (A)** -Flow Control (furnished)
- (B)** -Vent Tee (by others) -Installed in accordance with the requirements of the applicable plumbing code.
- (C)** -Vent Stack (by others)
- (D)** -Bridge Trap (furnished)

REMIEDIATOR® SIZING PROCEDURE

1. COUNT ALL contributing fixtures, measure and calculate capacities as follows:

Rinse Sinks:

() _____ W x _____ L x _____ D = _____ cu. in. ÷ 231 = _____ gals.

() _____ W x _____ L x _____ D = _____ cu. in. ÷ 231 = _____ gals.

() _____ W x _____ L x _____ D = _____ cu. in. ÷ 231 = _____ gals.

() _____ W x _____ L x _____ D = _____ cu. in. ÷ 231 = _____ gals.

Pot tubs:

() _____ W x _____ L x _____ D = _____ cu. in. ÷ 231 = _____ gals.

() _____ W x _____ L x _____ D = _____ cu. in. ÷ 231 = _____ gals.

Svc. Sinks

() _____ W x _____ L x _____ D = _____ cu. in. ÷ 231 = _____ gals.

1-A. TOTAL= _____ gals.

2. _____ Total Gallons from 1-A x .75 (fill factors) ÷ 2 minute drain down period= _____ GPM

3. _____ Number of Floor Sinks or Drains (Except Indirect Wastes from above) x 4.0= _____ GPM

4. _____ Number of Miscellaneous Kettle Lines, etc. at capacity or at
Manufacturer rated discharge= _____ GPM

5. _____ Dishwasher: Manufacturer's Peak Rate of Drain Flow _____ GPM, (Initial rate with
full tank-Request from manufacturer)= _____ GPM

5-A. *Alternative method for figuring dishwasher flow rate if actual peak rate of drain flow is unknown:*

Dishwasher: Manufacturer's Rated Consumption per cycle:

_____ gallons x _____ cycles per hour = _____ gallons/hour ÷ 60 = _____ GPM

6. Specialized Equipment: _____ with discharge at: _____ GPM

6-A. TOTAL (add 2, 3, 4, 5 & 6)= _____ GPM

7. LOADING INFLUENCES:

MENU: ITALIAN AND ORIENTAL- _____ total GPM (from 6-A) x .25 (25%) = _____ GPM

HOURS: 24 HOUR OPERATION- _____ total GPM (from 6-A) x .25 (25%) = _____ GPM

ADJUSTED TOTAL GPM (Add 6-A & 7) = _____ GPM

Note: Steps 1 & 2 are standard PDI sizing criteria.

Note: Select the Remediator System with the appropriate GPM flow rate as follows: 20, 35, 50, or 75 GPM.

Designate the figure number with the flow rate indicated as a suffix: 8970-20.

Project Name: _____

Name: _____ Date: _____