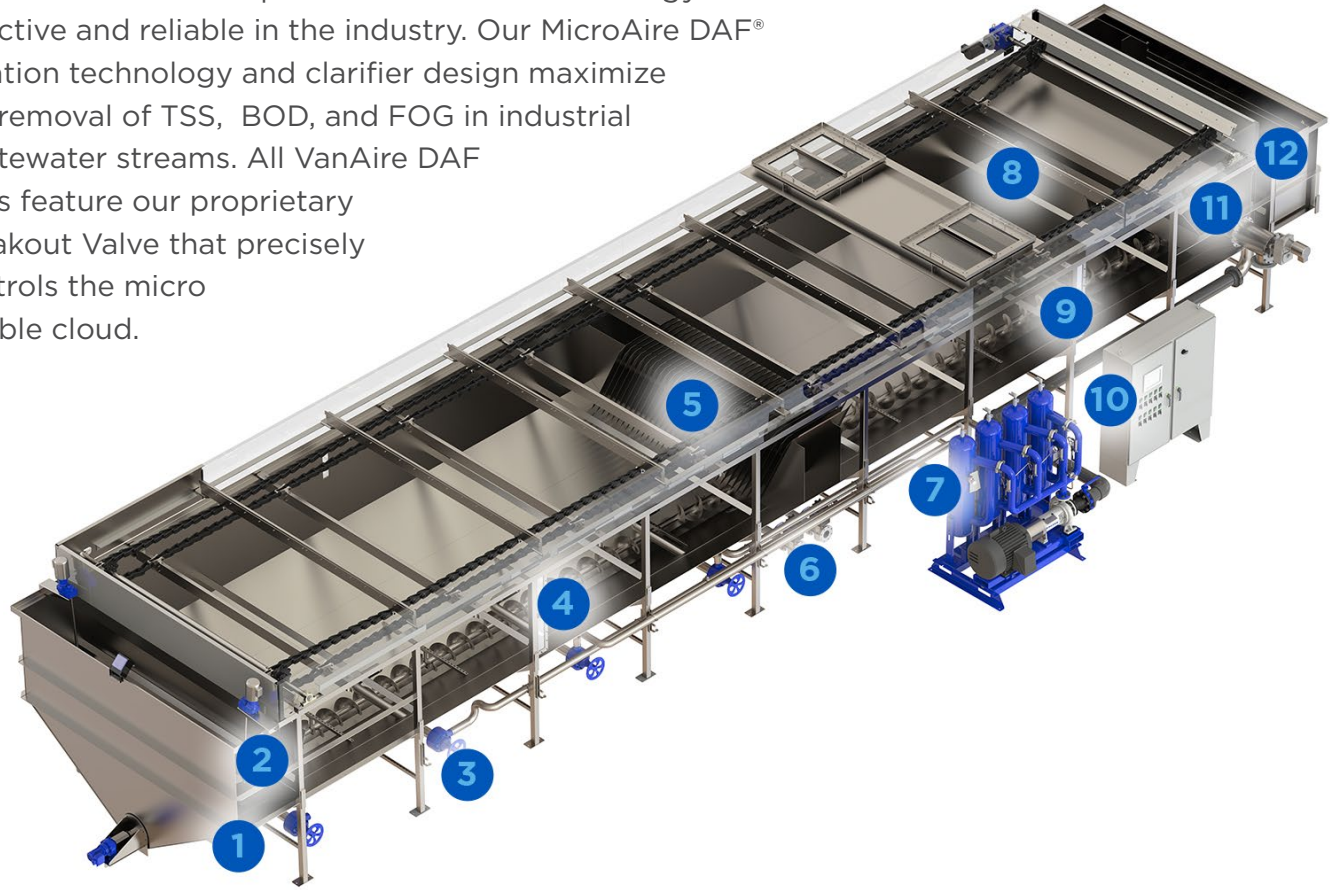


# WASTEWATER SYSTEMS

# DAF DISSOLVED AIR FLOTATION

## OUR DESIGN STANDS THE TEST OF TIME

VanAire's wastewater pretreatment DAF technology is the most effective and reliable in the industry. Our MicroAire DAF<sup>®</sup> aeration technology and clarifier design maximize the removal of TSS, BOD, and FOG in industrial wastewater streams. All VanAire DAF units feature our proprietary Breakout Valve that precisely controls the micro bubble cloud.



- 1 VANAIRE DAF<sup>®</sup> TANK
- 2 STILLING CHAMBER
- 3 BREAKOUT VALVE
- 4 BOTTOM SOLIDS REMOVAL SYSTEM
- 5 PLATE PACK
- 6 BOTTOM DRAIN VALVES
- 7 MICROAIRE DAF<sup>®</sup> AERATION UNIT
- 8 FLIGHT SKIMMER ASSEMBLY
- 9 INSPECTION WINDOW
- 10 CONTROL PANEL
- 11 FLOAT HOPPER
- 12 CLEARWELL ASSEMBLY

### STANDARD DAF SIZES

DAF SIZE	AREA	FLOWS (GPM)
4 X 12	40	10 - 55
6 X 24	106	25 - 200
8 X 24	138	50 - 350
10 X 30	220	100 - 600
12 X 36	336	200 - 950
12 X 60	624	500 - 2000
14 X 60	728	600 - 2400

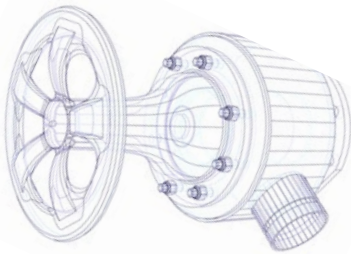
While every installation is custom designed to fit the mechanics of the facility, we start the engineering process with standard size units. Contact us for an entire list of available sizes.

# WASTEWATER SYSTEMS

## TAKING THE WASTE OUT OF WASTEWATER SINCE 1995

- VanAire DAF®
- MicroAire DAF® Aeration Systems
- Control Panels
- Flocculation Tubes
- Equalization Tanks
- Biological Treatment Systems
- Transfer Pump Packages
- Feed Pumps
- Storage Tanks
- Rotary Screens
- Flow Meters
- Automated Valves

VanAire engineers, manufactures, installs and commissions complete wastewater systems. In addition, our fully integrated production facility allows VanAire to take your DAF project from concept to a completely operational wastewater pre-treatment system.

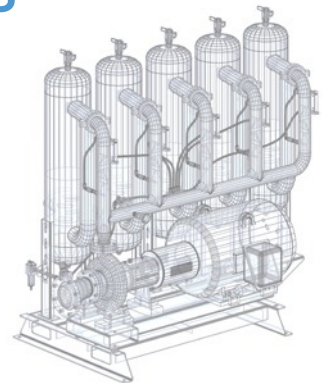


## BREAKOUT VALVES

All VanAire DAF units feature our proprietary breakout valve that precisely controls the micro bubble cloud. Our BOV is one of the key differentiators of a VanAire DAF system due to the ultra-fine bubbles that the BOV can consistently create.

## MICROAIRE DAF AERATION SYSTEMS

The heart of our system, the MicroAire DAF Aeration Unit, is the culmination of more than 25 years of R&D and proven performance in the field. The MicroAire DAF design produces the most effective bubbles for the clarification of wastewater and the recovery of usable byproducts. While VanAire DAF clarifiers are engineered to take full advantage of this aeration technology, virtually any DAF clarifier, rectangular or circular, can be optimized through the addition of a MicroAire DAF unit.



MODEL	DIMENSIONS			WEIGHT	RECYCLE	CONNECTIONS	AIR	MOTOR
NUMBER	LENGTH	WIDTH	HEIGHT	LBS	GPM	RECYCLE IN	SCFM	HP
1000-1-75	4' 7"	3'	5.75"	1,100	75	3"	3	20
1000-1-100	4' 7"	3'	5.75"	1,100	100	3"	3	20
2000-1-150	5'	3' 11.5"	7' 2"	1,800	150	4"	3	25
2000-2-300	5'	3' 11.5"	7' 2"	2,200	300	6"	6	40
2000-3-450	5'	3' 11.5"	7' 2"	2,600	450	6"	9	60
2000-4-600	6' 3"	3' 11.5"	7' 2"	3,200	600	6"	12	75
2000-5-750	7' 6"	3' 11.5"	7' 2"	3,800	750	8"	15	100

DUPLIX MICROAIRE DAF AERATION UNIT INFORMATION AVAILABLE UPON REQUEST

# RETROFIT UPGRADE YOUR SYSTEM

We are frequently called to modify equipment that we didn't manufacture or design. Usually it's because a customer has past experience with our systems and is looking to retrofit existing infrastructure with a VanAire approach while maintaining as much of the existing system as possible. We can easily upgrade any make or model DAF with VanAire systems to improve the efficiency of your current system.

Retrofitting old equipment can help add new technology to increase output, improve existing equipment, reduce maintenance costs and increase reliability. VanAire has extensive experience retrofitting DAFs with new aeration units, top skimmers and plate packs. Our technologically advanced equipment drastically improves the DAF's efficiency, effluent clarity and byproduct recovery. VanAire retrofits have made significant improvements in each installation's water quality and operation.



# SERVICE WE'LL SEND OUR EXPERTS

VanAire's field service technicians can provide solutions for your VanAire wastewater treatment equipment, verify that your system is running properly, train new technicians or even give your seasoned technicians a refresher. Our experienced professionals will help keep your equipment running at an optimum level while offering expert advice.



## PORTABLE UNITS WE'LL COME TO YOU

VanAire has mobile pilot units, which are self-contained and house a complete Dissolved Air Flotation system. These units are available for pilot testing or long-term leasing at your facility anywhere in the continental United States. Many customers choose this method to try our equipment before purchasing.

- Test your actual waste stream before buying
- Can be delivered anywhere in north america
- Onsite startup and training available
- Provides its own equipment (compressed air source, recycle aeration system, lift pumps, floc tube and hoses)

## OEM PARTS ONE CALL AWAY

Whether you use our convenient online system to get a parts quote or call your dedicated account manager, VanAire has OEM parts for your system. We stock parts to the most common needs, as well as a few unusual ones that rarely come up.





WASTEWATER SYSTEMS



DAF



PRODUCTS

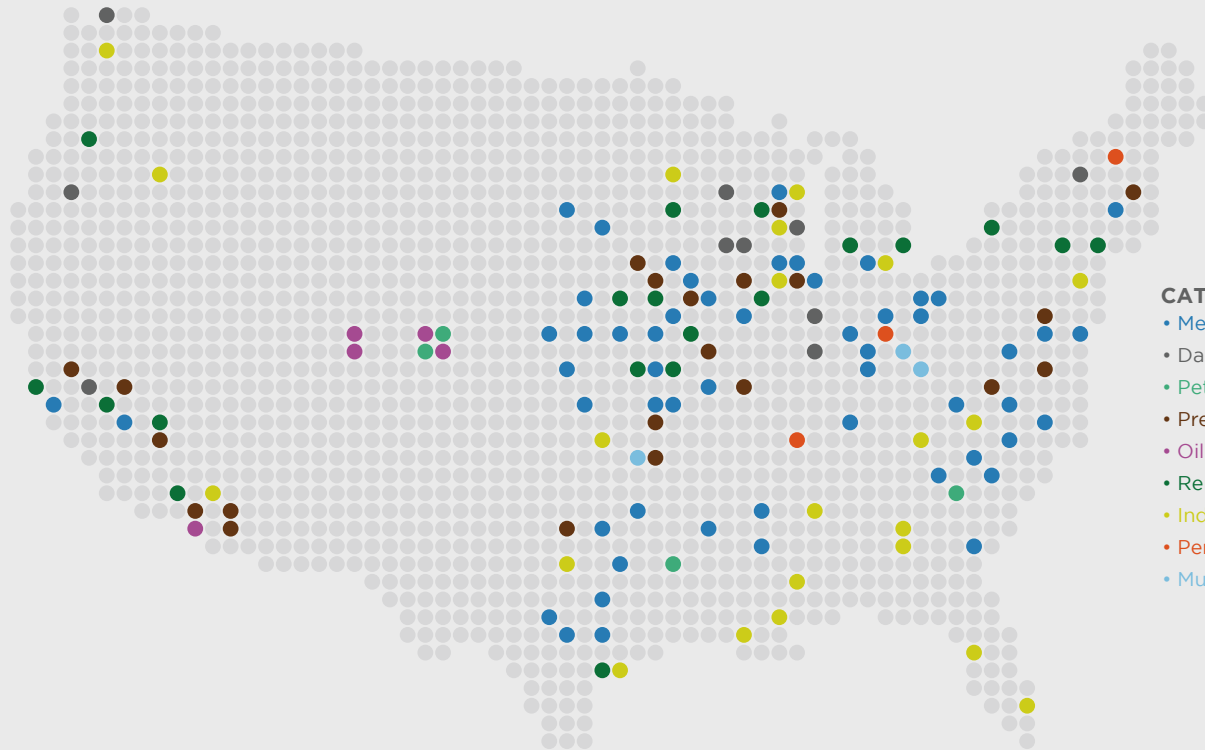


OEM PARTS



SERVICE

# VANAIRE WASTEWATER INSTALLATIONS



### CATEGORIES

- Meat processing
- Dairy
- Pet food
- Prepared foods
- Oil & gas
- Rendering
- Industrial
- Personal care products
- Municipal



WASTEWATER SYSTEMS



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