



Containerized Alpha 10 DAF Unit – CA10

The model CA-10 is a fully containerized, pre-engineered, factory tested, modular Dissolved Air Flotation unit. It provides a flexible, easy-to-install, and affordable solution for a smaller scale wastewater treatment operation and plant pilot testing. Minimal on-site time and labour to hook-up and run – Plug & Play.

DESIGN

Flowrate	10 m ³ /h	44 USGPM
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CONTAINER SIZE AND WEIGHTS (20ft STANDARD ISO)

Dimension (L X W x H)	6.1 m x 2.44 m x 2.6 m	240" x 96" x 102"
Shipping Weight	3,630 kg	8,000 lbs
Operating Weight	5,488 kg	12,100 lbs

UTILITY REQUIREMENTS

3 phase Connected Power	230 V – 60A	460 V – 32A	575 V - 25A
Single Phase Power-120V	40 A		
City Water	3.8 lpm (60 gph) @ 60 psi for polymer make-down		

STANDARD FEATURES – FACTORY INSTALLED AND TESTED

DAF Unit	Model Alpha 10, 304SS Material of construction
Flow Monitoring	Electro-magnetic flowmeter with totalizer
Chemical Dosing	Caustic and/or Acid, Coagulant, Emulsion Polymer
Pipe Flocculator	Polypropylene PF 10 with pH Loop
pH Monitoring	Chemical injection ports c/w back pressure valve pH controller and pH probe
Recirculation Pump	For air saturation (air compressor included)
Skimmer Drive	Sludge raking system with speed control
Sludge Removal	Electric operated diaphragm (EOD) pump
Control Panel	NEMA 4X enclosure in 304 SS, UL / CSA approved Allen-Bradley MicroLogix PLC Controller 5.7" colour touch screen HMI Emergency stop button Side mounted audible stack light Remote monitoring, data logging, troubleshooting
Ventilation	Motorized exhaust fan and louvers, timer
Interior Electrical	Fluorescent lights, plugs, switch, breakers
Container Entry	Standard container latched opening doors

PROCESS CONNECTIONS

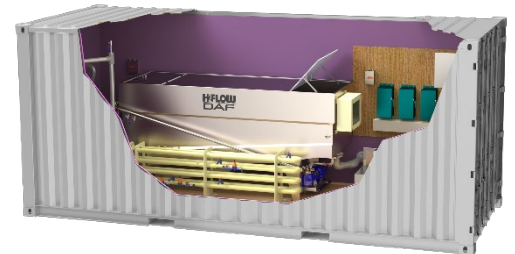
Influent	2" Male Cam-Lock
Treated Effluent	3" Male Cam-Lock
Sludge Outlet	2" Male Cam-Lock
Potable Water	3/4" FNPT

AVAILABLE CONTAINER OPTIONS

Climate Control	Heating and / or Air Conditioning
Insulation	Rigid wall insulation, bottom foam spray
Interior Finishing	HDPE Wall and ceiling panels Steel checker plate flooring
Container Entry	Lockable standard man door
Exterior Electrical	Area lights, alarm beacon, exterior receptacles

OPTIONAL AVAILABLE ANCILLARIES

Optional Items	Screening Equalization Tank
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Contact H2Flow Equipment for further details – Rental and Pilot units available

DISSOLVED AIR FLOTATION SYSTEMS AND TECHNOLOGIES FOR WASTEWATER TREATMENT

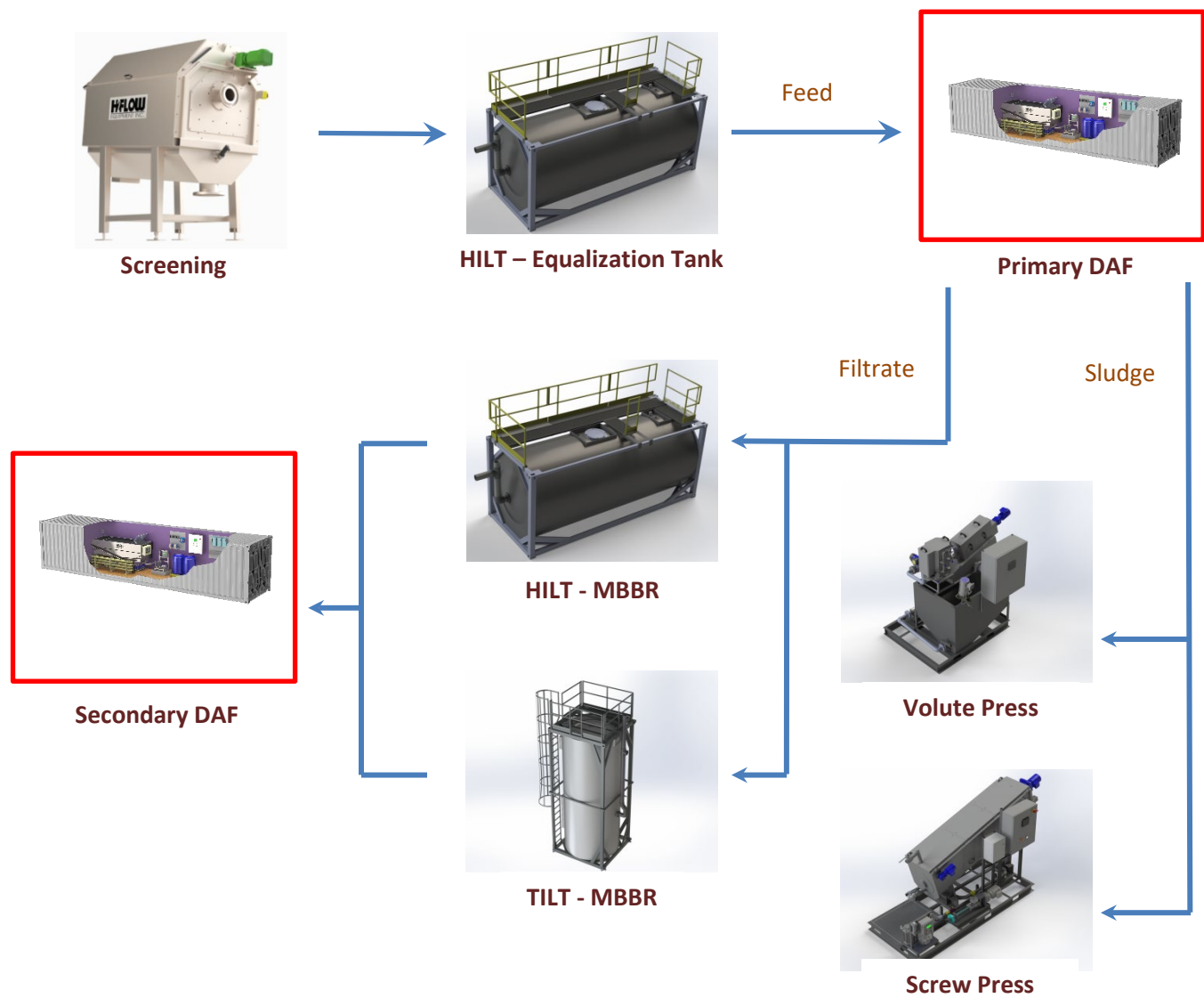
Toll free from anywhere in North America: 1-888-575-8642 USA (312) 789-4851
 CANADA: Toronto (905) 660-9775 Montreal (514) 228-3327 Vancouver (604) 908-7398
www.h2flowdaf.com info@h2flow.com



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Feed Pump
Biological Treatment – HILT/TILT MBBR
Sludge Holding Tank
Sludge Dewatering System

H2Flow System Offerings



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