

Dissolved Air Flotation (DAF/DGF/DNF)

SUCCESS STORY

Andmir has developed the most economic Dissolved Air Flotation unit on the market. These units have evolved over two decades of operational performance to become the most compact, robust and highest value DAF system available.

Andmir's DAF system is widely recognized as the workhorse of the entire water treatment process and allows customers to rely on a stringent oil and suspended solids process guarantee. Andmir's water treatment philosophy is; if the de-oiling is done properly the rest of the downstream process equipment will operate as designed. Inefficient de-oiling causes oil and solids carry over which cause equipment upsets and down time.

| Model | GPM | Dimensions | Power |
|--------------|------|-----------------|--------|
| Niagara 25 | 25 | 9' × 7' × 6' | 1.7 kW |
| Niagara 50 | 50 | 9' × 10' × 10' | 1.7 kW |
| Niagara 100 | 100 | 10' × 9' × 10' | 3.2 kW |
| Niagara 200 | 200 | 13' x 12' x 11' | 5.7 kW |
| Niagara 300 | 300 | 20' × 14' × 12' | 5.8 kW |
| Niagara 400 | 400 | 21' × 15' × 14' | 7.5 kW |
| Niagara 600 | 600 | 21' × 19' × 14' | 11 kW |
| Niagara 800 | 800 | 21' × 21' × 14' | 16 kW |
| Niagara 1000 | 1000 | 21' × 24' × 14' | 20 kW |
| Niagara 1300 | 1300 | 21' × 29' × 14' | 23 kW |
| Niagara 1700 | 1700 | 22' × 38' × 14' | 31 kW |
| Niagara 2000 | 2000 | 23' × 45' × 14' | 38 kW |



FEATURES

- ✓ Sizes from 25 - 2000 gpm
- ✓ Plug flow reactor (PFR) for chemical addition
- ✓ Laminar flow conditions in flotation unit
- ✓ Compact design

BENEFITS

- ✓ Uniform floc growth in PFR
- ✓ Minimum chemical dosing
- ✓ Minimal floor space
- ✓ Efficient separation eliminates need for filters downstream.
- ✓ Proven process can achieve < 20 ppm for both oil and TSS
- ✓ Robust process can handle upsets without disrupting normal operation.
- ✓ More than 500 commercial installations

