

aquadex *FlexFlow*®

Reference Guide

An Effective Treatment for Fluid Overload



Indications for Use

Rx Only

Indications: The Aquadex FlexFlow® System is indicated for temporary (up to 8 hours) ultrafiltration treatment of patients with fluid overload who have failed diuretic therapy; and extended (longer than 8 hours) ultrafiltration treatment of patients with fluid overload who have failed diuretic therapy and require hospitalization. All treatments must be administered by a healthcare provider, under physician prescription, both of whom having received training in extracorporeal therapies.

Aquapheresis Therapy Supplies

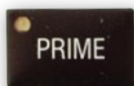
Gather the following items:

- ✓ Aquadex FlexFlow Console
- ✓ UF 500 blood circuit set
- ✓ 500 cc NaCl bag
- ✓ Preloaded NaCl syringes
- ✓ Empty 10 - 12cc syringe
- ✓ Alcohol preps
- ✓ Extra Luer caps
- ✓ Graduated cylinder

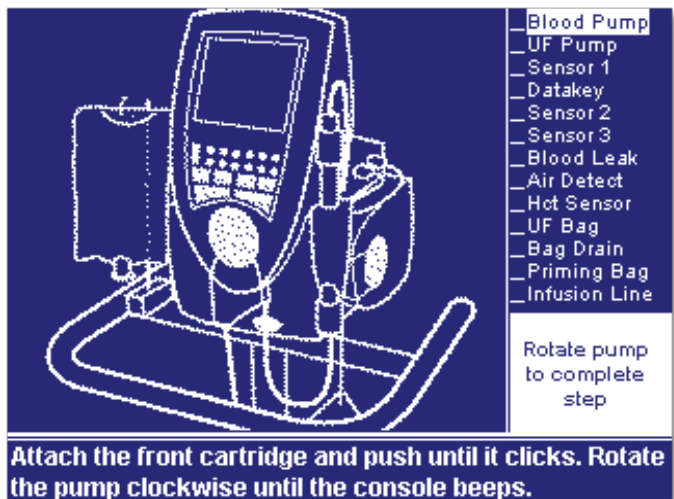
Pre-Therapy Prior to Bedside

Load and Prime the Circuit

Press



Then



Press  to enter priming mode

Bedside Checklist: Pre-Therapy

- ✓ **Connect the console to AC Power**
 - 30 minute battery life
- ✓ **Anticoagulant infusing**
 - 30 minutes prior to therapy initiation
- ✓ **Check for venous access patency**
 - Perform “10-in-10” test
 - Check for infusion / withdraw resistance
- ✓ **Connect to venous access catheter**
 - Disconnect Withdraw (blue) line from priming bag
 - Disconnect Infusion (clear) line from UF bag
 - Open all clamps
 - **No caps or plugs - HUB to HUB connection**



Initiating Therapy

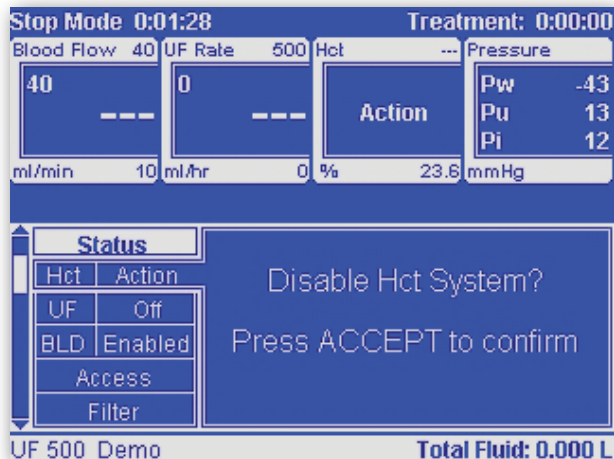
✓ Press the  Key

✓ **Monitor Venous Access**

- Check Pw and Pi pressures
- Consider ↓ Blood Flow rate
- No lower than 20ml/min

✓ **Set the UF rate** 

✓ **Determine if Hct monitoring will be enabled**



The screenshot shows the Aquadex machine's user interface. At the top, it displays 'Stop Mode 0:01:28' and 'Treatment: 0:00:00'. Below this, there are several data fields: 'Blood Flow 40' (with a unit of 'ml/min' and a sub-unit of '10'), 'UF Rate 500' (with a unit of 'ml/hr' and a sub-unit of '0'), 'Hct ---' (with a unit of '%'), and 'Pressure' (with a unit of 'mmHg' and a sub-unit of '23.6'). The 'Pressure' field is further divided into 'Pw -43', 'Pu 13', and 'Pi 12'. Below these fields, there is a 'Status' section with a table showing 'Hct' as 'Off', 'UF' as 'Off', 'BLD' as 'Enabled', 'Access', and 'Filter'. To the right of this table, a large text box asks 'Disable Hct System?' and 'Press ACCEPT to confirm'. At the bottom, it shows 'UF 500 Demo' and 'Total Fluid: 0.000 L'.

Status	
Hct	Off
UF	Off
BLD	Enabled
Access	
Filter	

✓ **Monitor the patient**

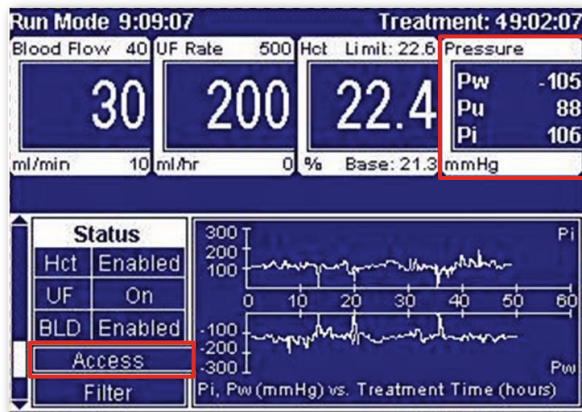
Pressure Readings: Access

Pw

- Withdraw Pressures
- Measures patency of the withdraw (blue) side of the circuit
 - Negative pressures -20 to -300

Pi

- Infusion Pressures
- Measures patency of the infusion (clear) side of the circuit
 - Positive pressures +20 to +300



Troubleshooting Considerations

Pw or Pi Pressures Out of Range:

- **Reposition the patient**
- **Flush Lumens**
 - Via access ports
 - Perform “10-in-10” test
- **Reduce Blood Flow rate**
 - No lower than 20ml/min
- **Switch the lumens being used for infusion and withdrawal**
- **Pull catheter back until pressure parameters are within acceptable range**
- **Rotate catheter hub**
- **If patient cannot maintain or achieve an appropriate rate, consider alternative access (e.g. central, peripheral IV)**

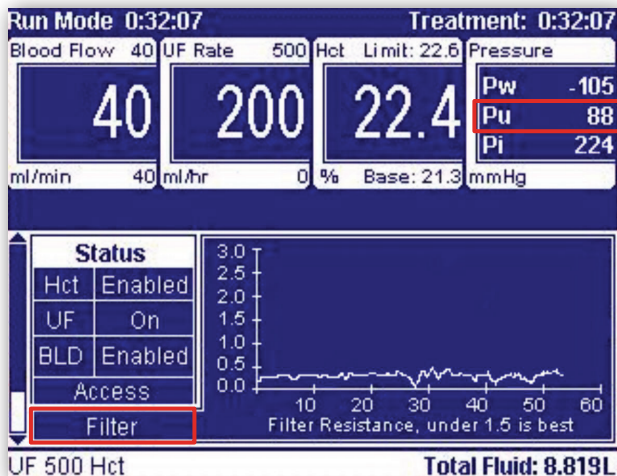
Pressure Readings: Filter

Pu



- Ultrafiltrate pressure
- Measures patency of the hemofilter
 - Pressure range: -250 to +200

Filter Status

- Measures resistance
- Value of less than 1.5 indicates a viable filter



Action Steps: Alarm or Alert

- **Press the Alarm Silence key** 
 - Silence for 2 minutes
- **Interpret the displayed instructions**
- **Press the  key to advance**

For more information:

- **Refer to the Aquadex FlexFlow User's Guide**
- **For customer and technical support, please call 1-855-786-2778**

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