

EBCx Workshop Series 15 Session 9 – Field Observations

Presented By:

- David Sellers; Facility Dynamics Engineering
- Senior Engineer













This is Cool

Free iPhone app from Motionics

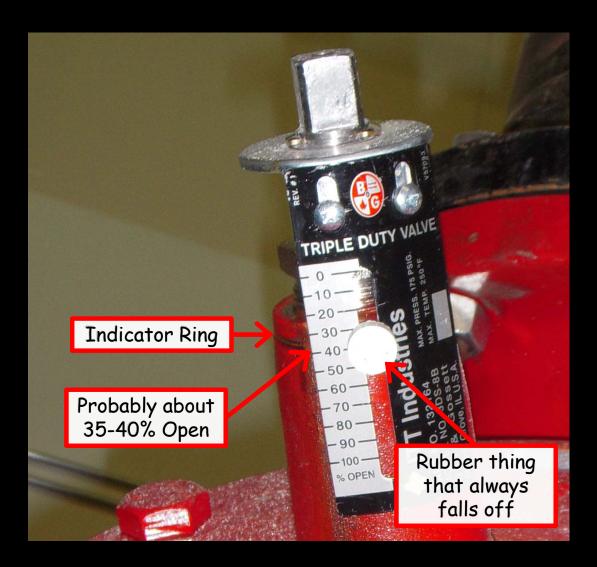
https://apps.apple.com/us/app/ strobe-lighttachometer/id978182913

📲 Verizon 奈	11:06 AM -	7 80% 🗩 '
11.87 Hz 712 RPM		
60 60	÷2 x	2 7800 RPM
) 0X.00	130 Hz
- +	00.X0	
(- +	00.0X	
1174	Battery-less Laser Tacl	h for iPhone
	Fe	edback

UC Davis



Reading a Triple Duty Valve



Genentec

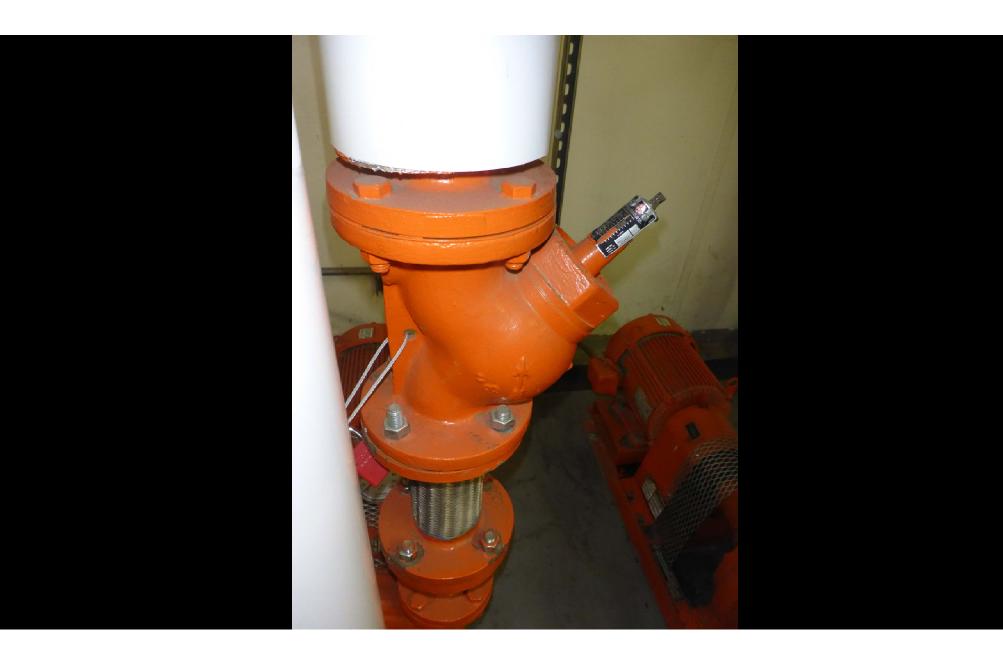




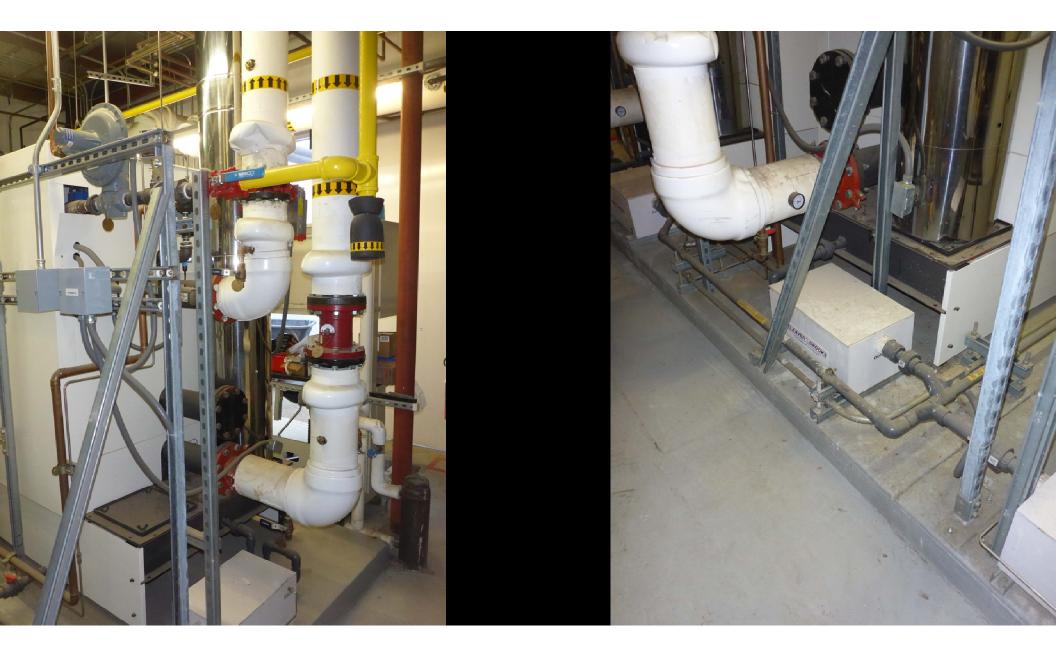


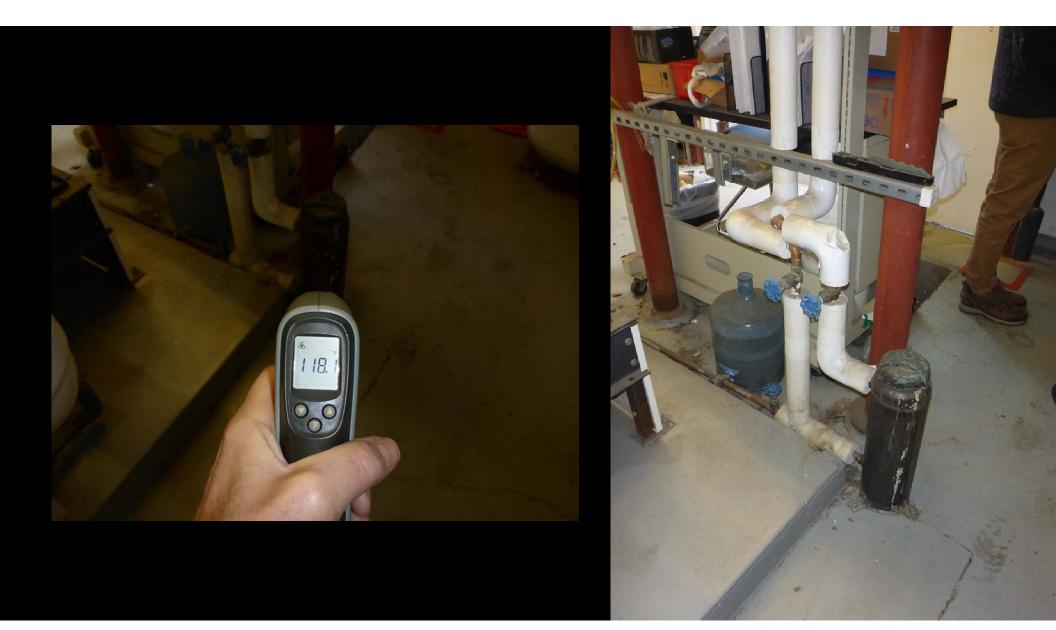








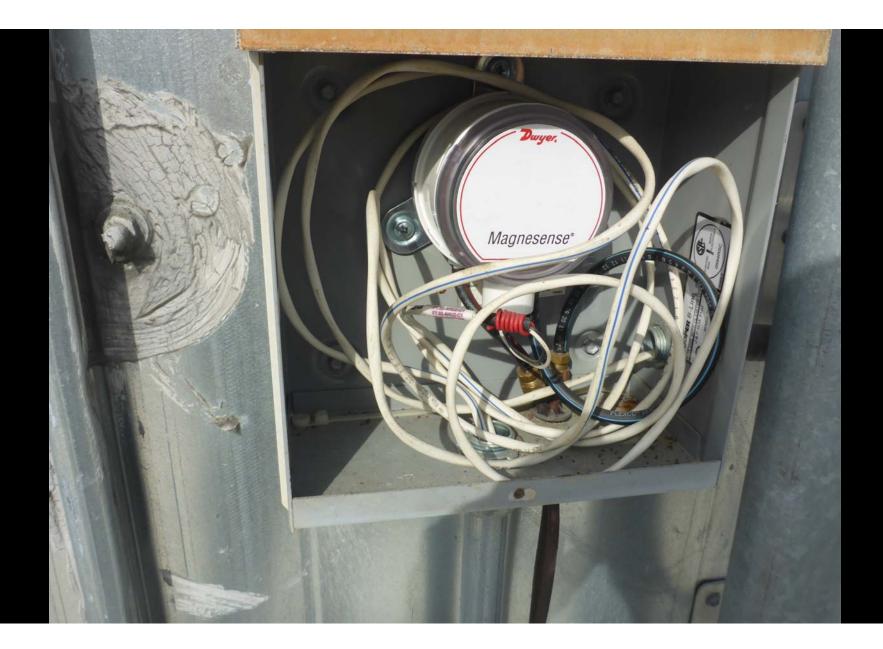








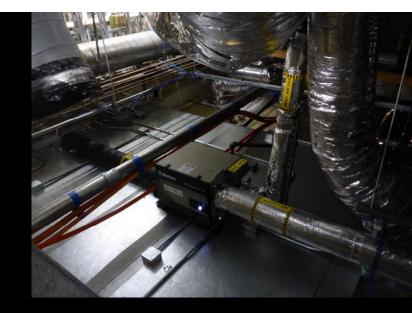




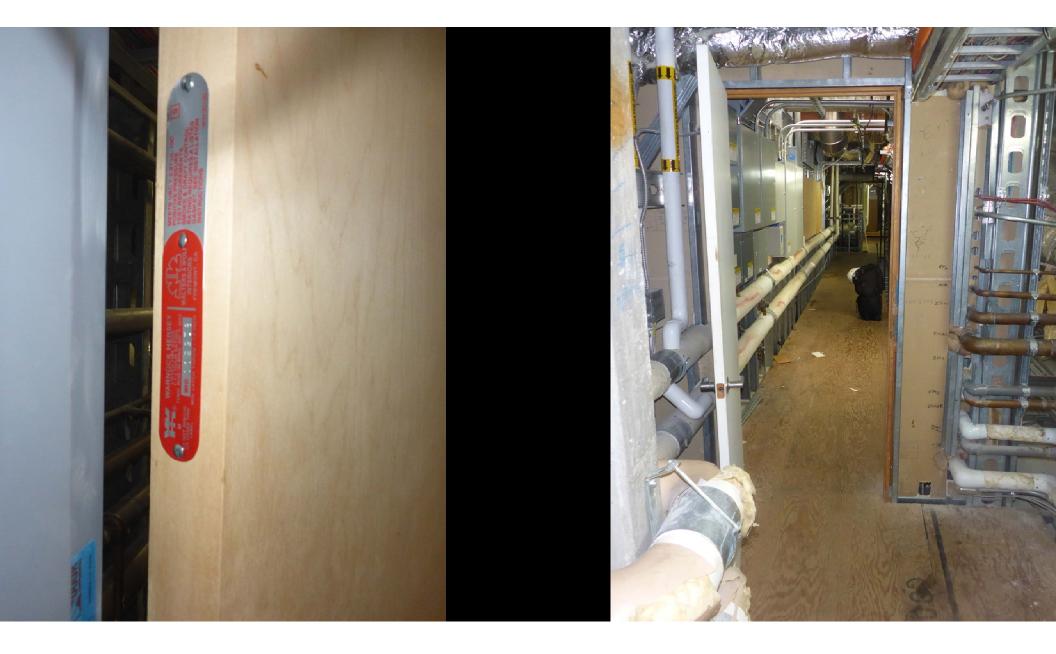


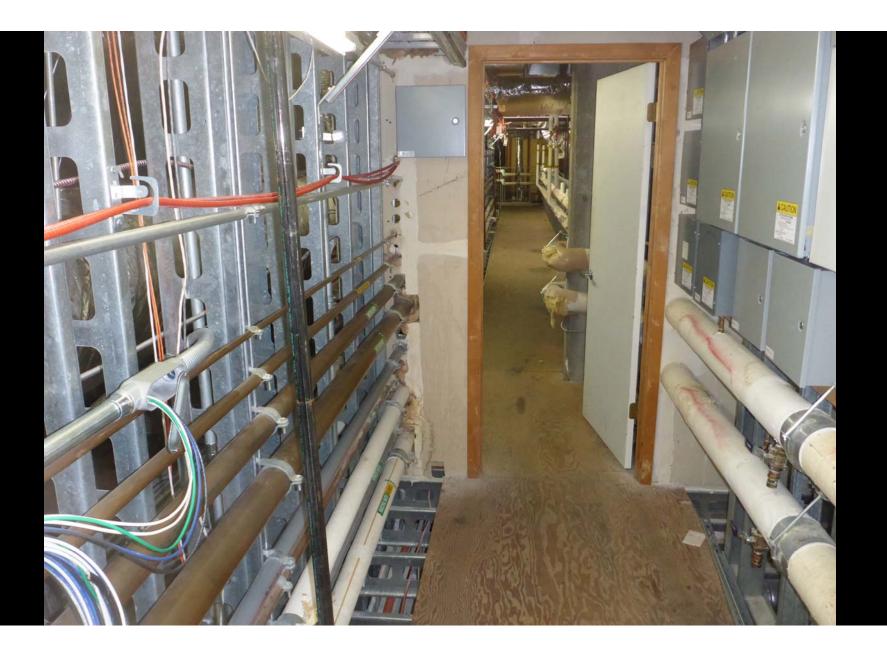








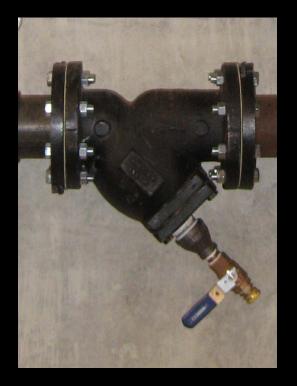


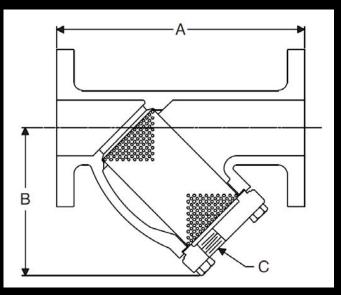


College of San Mateo



Strainers; Details Matter





What happens if you put a reducer on the outlet or flip the cover plate so the outlet is on top vs. on the bottom?

PIPES, VALVES, AND FITTINGS

Redundant Strainers Allow Uninterrupted Service





PIPES, VALVES, AND FITTINGS



Check Valves

- Intended to prevent reverse flow
- Typically found on the discharge of pumps, especially parallel pumps



Wafer Type Check Valve – Outlet

PIPES, VALVES, AND FITTINGS

Check Valves

- Intended to prevent reverse flow
- Typically found on the discharge of pumps, especially parallel pumps



Wafer Type Check Valve – Inlet

PIPES, VALVES, AND FITTINGS

Check Valves

- Intended to prevent reverse flow
- Typically found on the discharge of pumps, especially parallel pumps
- Directional; if you put it in backwards, it won't do its job



Wafer Type Check Valve – Note Directional Arrow

PIPES, VALVES, AND FITTINGS





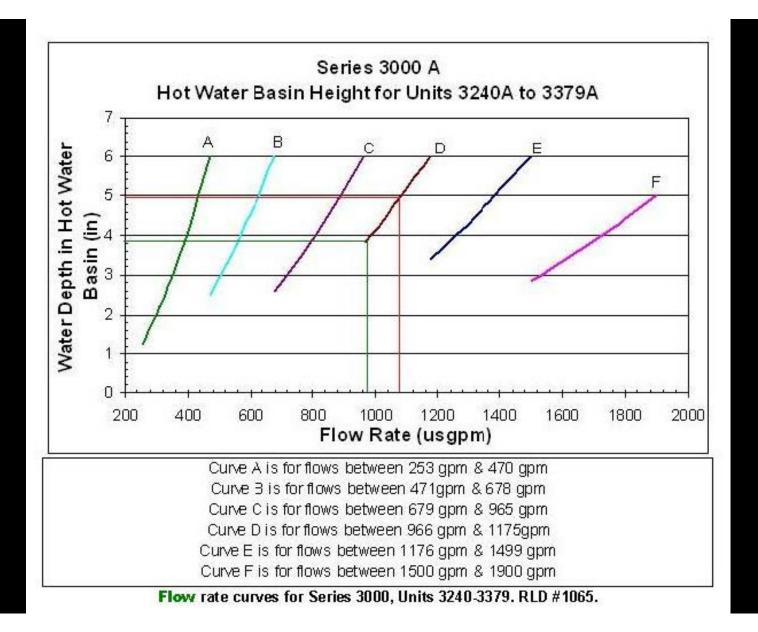


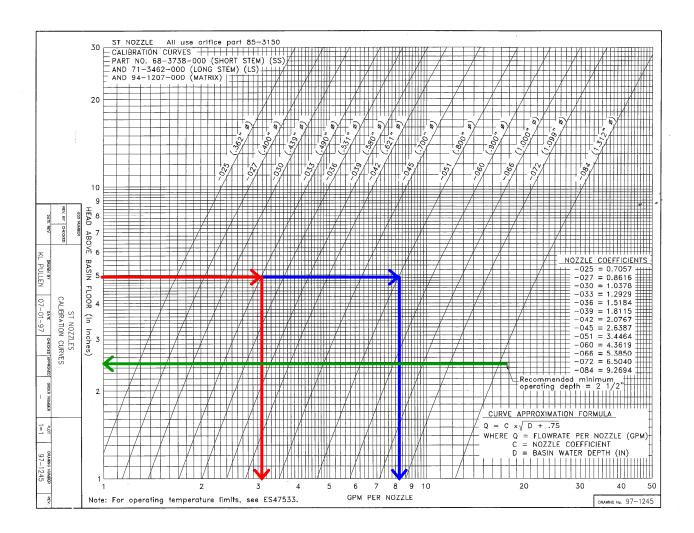
Different Basin Levels = Different Flows



Different Basin Levels = Different Flows







• 7

