# Universal Digital Air Control Board

## Standardize Your DAF Air Control Today!



PROCESS WATER CONTROLS

PROCESS AIR FLOW

PROCESS AIR CONTROLS

RECYCLE FLOW _____ GPM
WATER PRESSURE _____ PSI

AIR FLOW _____ SCFM
AIR PRESSURE _____ PSI

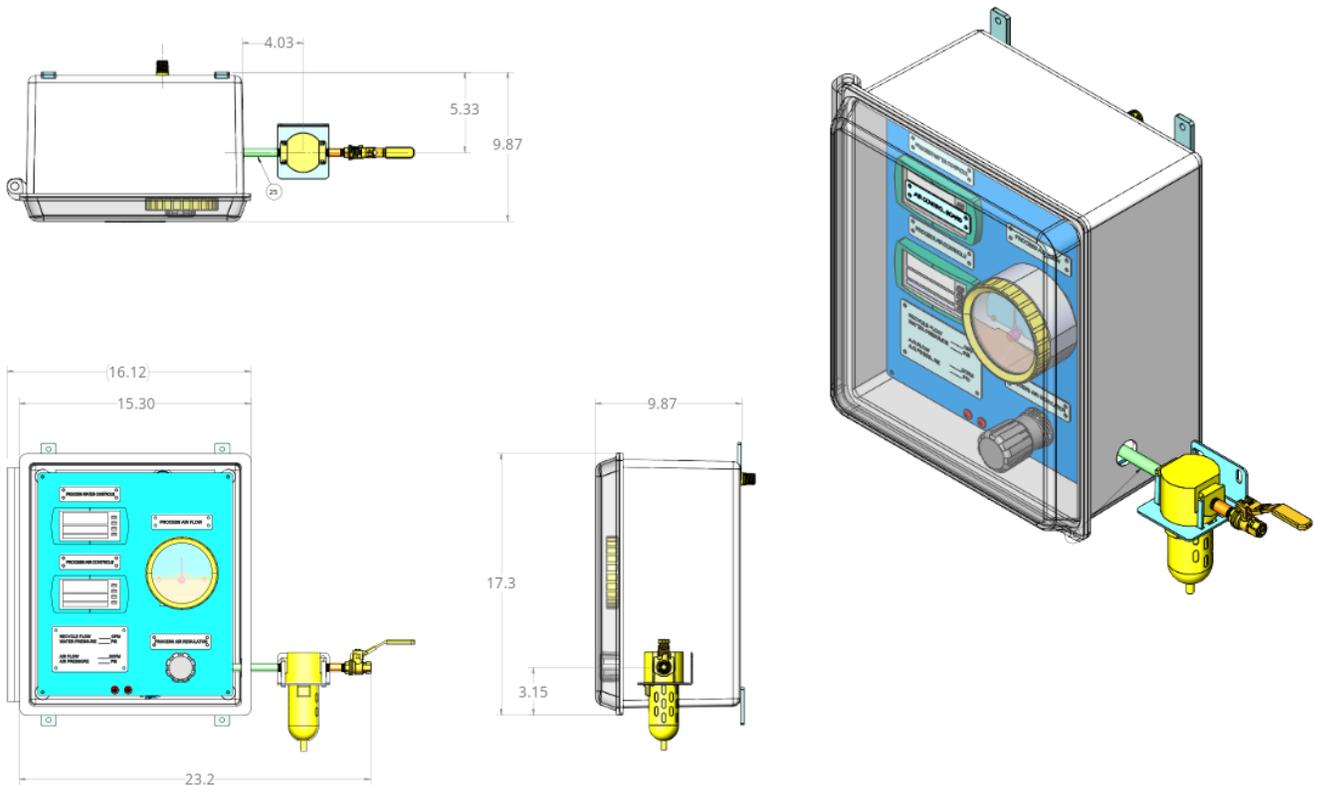PROCESS AIR REGULATOR



TENCO HYDRO
WASTEWATER
ENGINEERING DESIGN
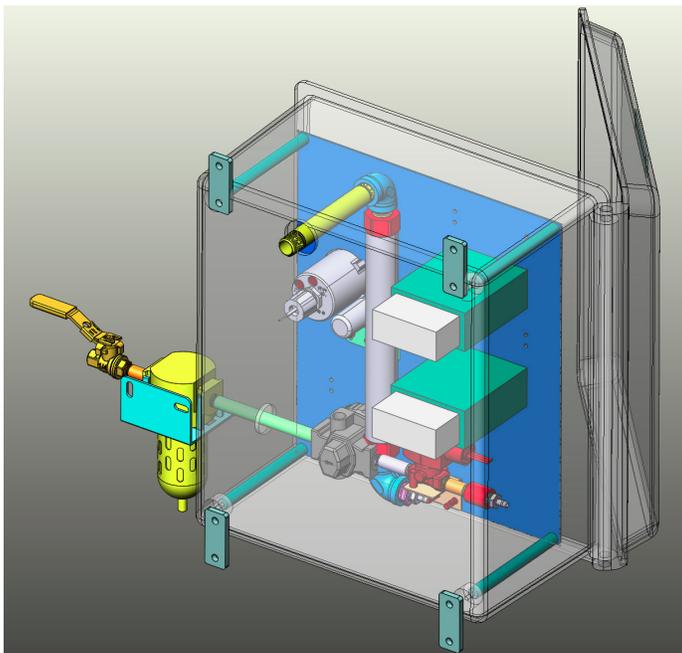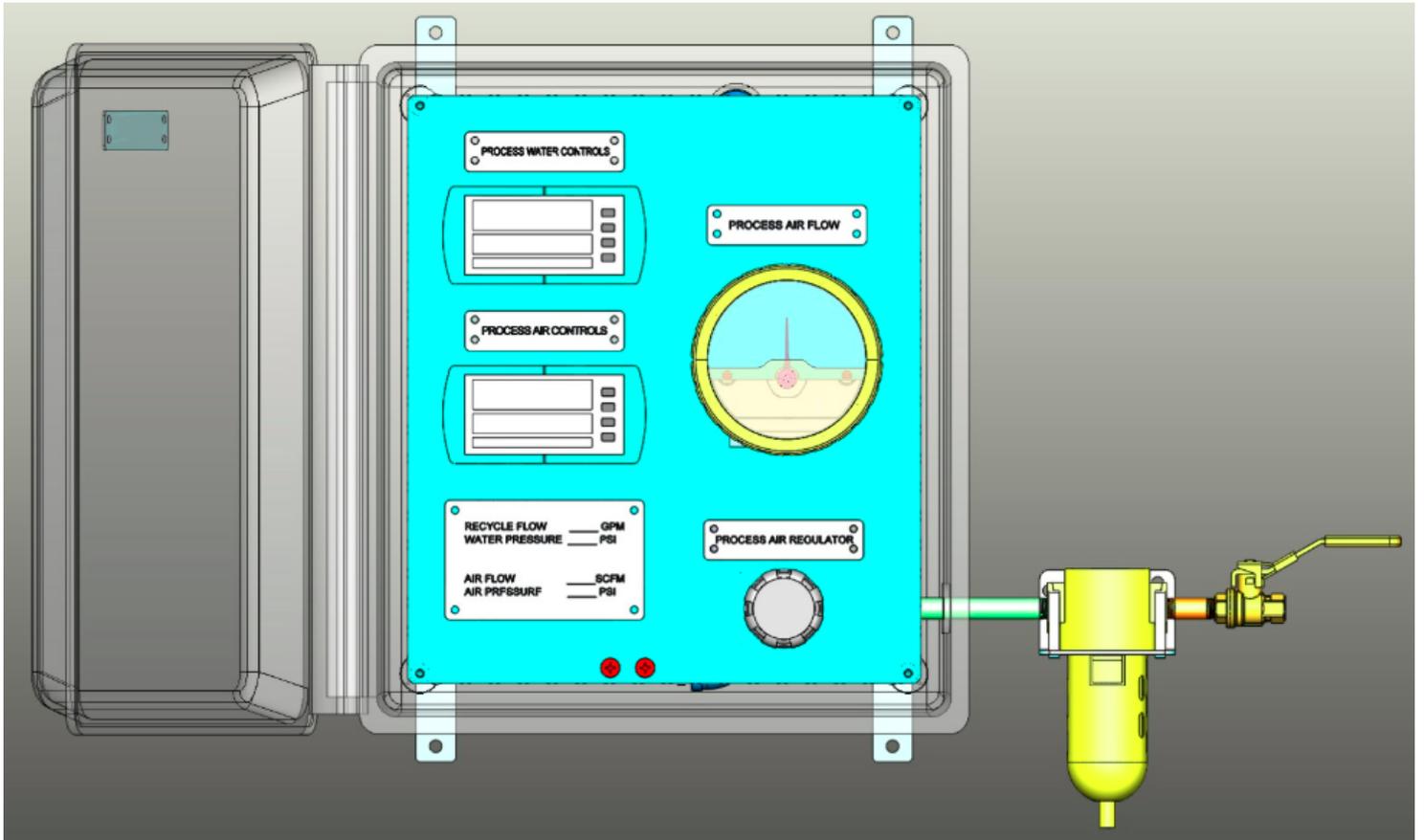
# An Easy Upgrade For Your DAF

**Plug-and-Play Integration:** Works with any DAF system

**Improved Process Control:** Real-time pressure monitoring (air + water)

**Operator-Friendly:** Dual digital displays & visual flow indication

**Built to Last:** SS piping & industrial components



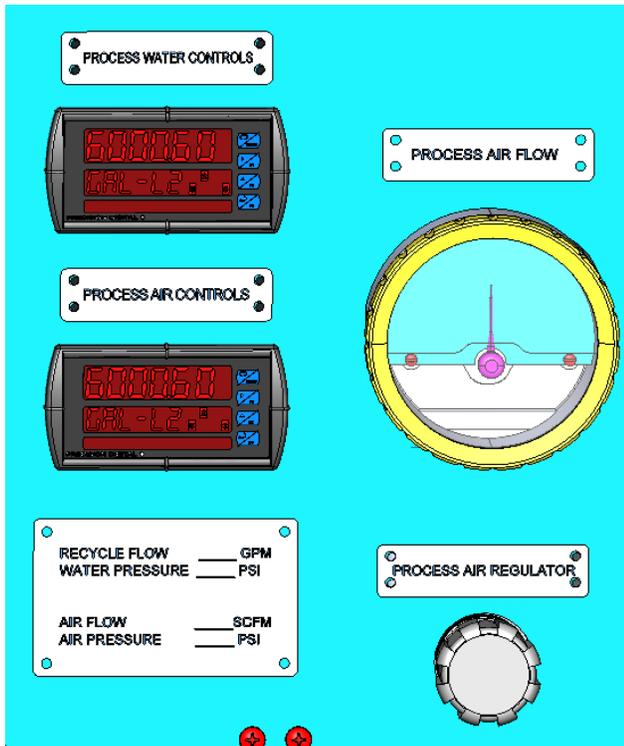## Simple Install:

1) Connect compressed air supply
2) Connect outlet to DAF air injection
3) Provide Power
4) Tie into PLC/SCADA

# Front of Control Panel



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**PROCESS AIR REGULATOR**

## Standardized Air Control for Any DAF System

Gain real-time visibility into air and water pressure and flow with our plug-and-play digital air control solution.

Simply increase visibility, or go even further with our automation experts!

# Back of Control Panel



Air Out to DAF

Air Intake

**TENCO HYDRO**
WASTEWATER
ENGINEERING DESIGN
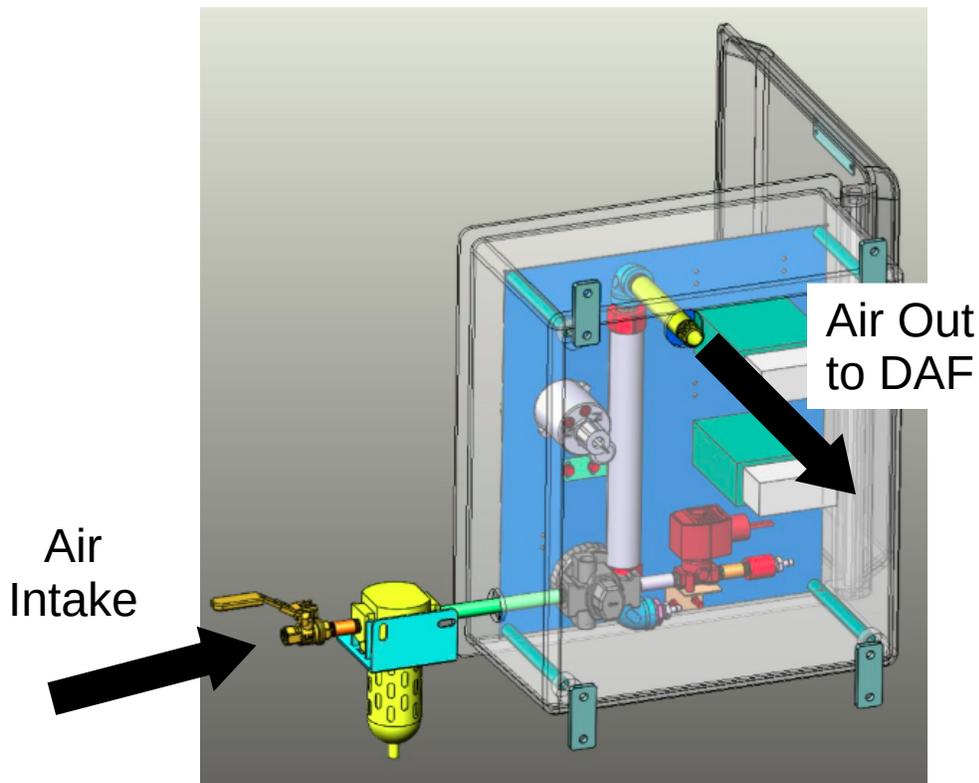
## Data Sheet

| Category | Specification |
|---|---|
| Overall Dimensions (Enclosure) | 16.12" L × 9.87" W × 17.13" H |
| Extended Length (with Air Filter) | 23.22" total length (adds 7.1" on selected side) |
| Air Filter Mounting | Left or right side (pre-configured, one side only) |
| Enclosure Type | Polycarbonate enclosure with clear snap-on lid |
| Enclosure Rating | Suitable for industrial/wastewater environments (NEMA-style polycarbonate) |
| Backplate | Modified internal backplane |
| Piping & Fittings | Stainless steel (304/304L) pipe, nipples, elbows, and connectors |
| Valve – Manual | 1/4" NPT brass shutoff valve with handle |
| Valve – Solenoid | 2-way, 1/4" NPT normally closed, 120 VAC (ASCO) |
| Air Filter | 1/4" NPT, clear housing with manual drain |
| Air Regulator | Adjustable, 9–150 PSIG range, ~91 SCFM capacity |
| Flow Measurement | King Instrument rotameter, 1/2" NPT, stainless steel |
| Pressure Monitoring | (2) Pressure transmitters (air & water), 4–20 mA output |
| Digital Displays | (2) Precision Digital multi-process meters |
| Display Type | Dual-line, 6-digit red LED |
| Inputs (Meter) | Dual 4–20 mA or ±10 V (field selectable) |
| Outputs (Meter) | (2) Relay outputs per meter; (1) 4–20 mA analog output |
| Transmitter Power Supply | 24 VDC @ 200 mA (from meter) |
| Analog Output Power | 24 VDC @ 40 mA |
| Power Requirement | 85–265 VAC (or 90–265 VDC capable meters) |
| Control Signals | 4–20 mA compatible for PLC/SCADA integration |
| Tubing | Internal PEX tubing; external DOT tubing provided |
| Labels | Stainless steel engraved labels for controls and settings |
| Mounting | Wall-mounted panel |
| Operating Temperature | -40 to 149°F (-40 to 65°C) |

## Additional Options

Left Hand/Right Hand air filter configuration

Modbus communication

Additional I/O or relay expansion

Custom enclosure sizes & features