

CP 5100 Process Control Panel



The HSI CP 5100 is a controller that combines the full functions of the HSI CP 4100 Sequencing Panel and adds the ability to control most wastewater process systems.

The CP 5100 is fully plug and play compatible with HSI Local Control Panels of MC Series (Multistage) and HT Series (Turbo) type of controllers. HSI can also customize to control other types of centrifugal blowers.



Capabilities include:

- Multiple Blower Control
- Remote Alarm & Status
- Alarm Log
- Maximize Option
- Interfacing to Plant SCADA
- Automatic Sequencing
- Operation Trending
- Blower Run Time Regulation

Process Coverage:

- Multiple Basin Control
- Remote Alarm & Status
- Mostly Open Valve Type Logic
- Full Interface to Plant SCADA

Input Variables:

- Flow Rate
- Pressure
- Ammonia
- Dissolved Oxygen
- Oxidation Reduction Potential (ORP)
- User Defined Parameter

Water and Wastewater Application:

- Basin Aeration • Air Scouring • Digester Gas • Filter Backwash • Grit Chamber • Lagoon • SBR/MBR

Standard Configuration (Customized options available):

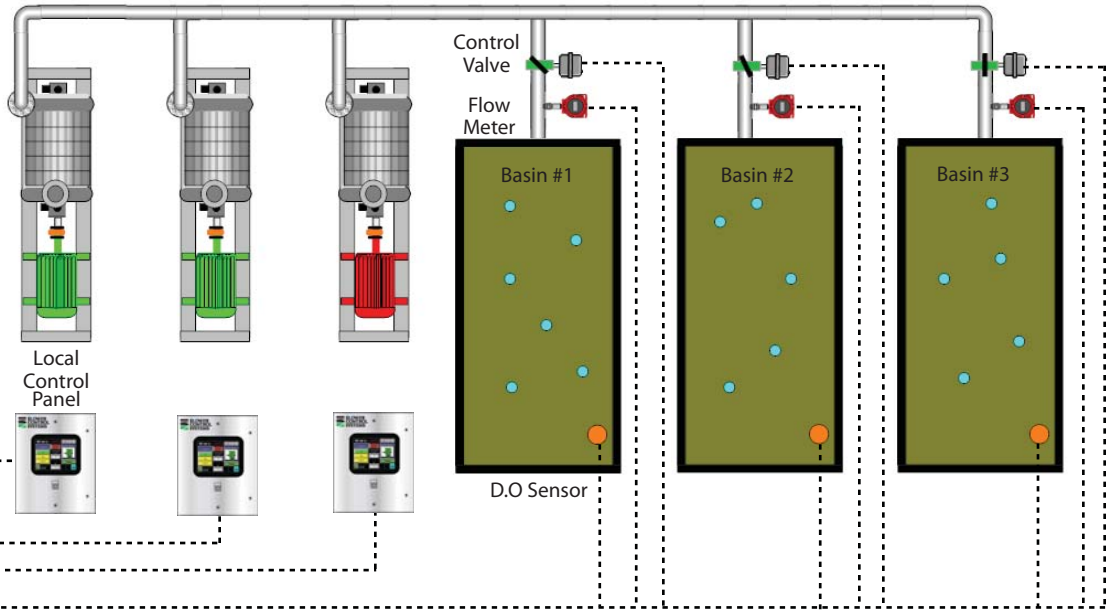
Enclosure.....	Carbon Steel (NEMA 4) or Stainless Steel (NEMA 4X)
Programmable Logic Controller.....	Allen Bradley CompactLogix
Memory.....	Non-Volatile Memory, 100% Data Retention
Panel Display.....	10" Color HMI Touch Screen
Network Connection.....	Ethernet to SCADA and Local Panels
Power.....	120v/60 Hz/1 Phase
Temperature Ratings.....	32 to 104 deg F (0 to 40 deg C) Indoor Only - Consult HSI for Outdoor Applications
Control Panel Dimensions (estimate).....	LxWxH 30"x12"x36", 76 cm x 130cm x 91 cm
Weight.....	Approximately 100 lbs/45kg
Approvals.....	UL, CSA, CE

Upgrade your specification to include HSI Controls

Innovation | Service | Experience

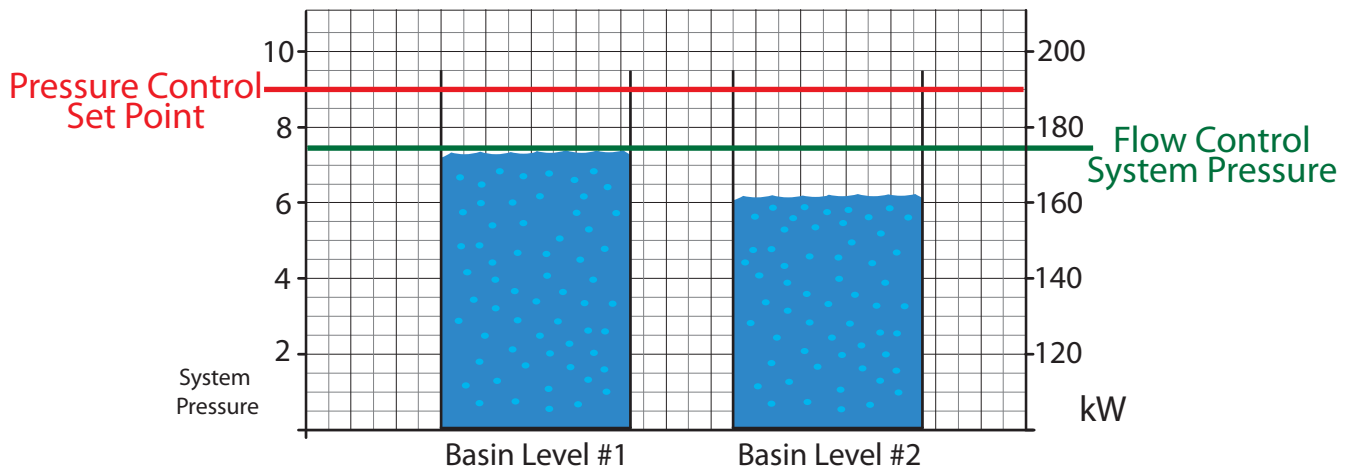
Typical Instrumentation Diagram

CP 5100
Process Control
Panel



Operating on a pressure controlled set point?

HSI has developed a flow based control system that offers substantial energy savings to replace antiquated pressure control systems. Operating at a fixed pressure set point above what is required wastes energy. By matching a flow rate to meet your system demand allows the back pressure to equal your system requirements.



Lower system pressure means less power consumption. Let HSI show you how to save 5-7% on average by having a flow control system.

Disclaimer: All options may not be in every proposal. Dimensions and options are subject to change without notice.



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