

CLACK VALVES

PROGRESSIVE FLOW

Now available on CK and CN valves!*

The “Progressive Flow” feature allows you to have an efficient system that will add units on line depending on the Flow Rate Demand of the facility. Tanks are brought “ONLINE” to handle an increase in flow, or placed in “STANDBY” as flow decreases.

*The Progressive Flow feature is also one of the features on our System Controller.



ADVANTAGES

- Covers a wide range of flow rates (e.g. Apartment Buildings, Hotels)
- Smaller tanks in case of space limitations
- Optimizes efficiency
- Reduces the chance for low flow channeling
- Possible for 2-4 units

KITS

5303010068 **Pallas CK Progressive Flow PC Board KIT**

5303010070 **Pallas CN Progressive Flow PC Board KIT**

Each kit consists of a number of pc-boards (2-4) + a communication cable.

LOW FLOW DEMAND



ON-LINE



STAND-BY



STAND-BY



STAND-BY

HIGH FLOW DEMAND



ON-LINE



ON-LINE



ON-LINE



ON-LINE

PROGRESSIVE FLOW SETUP

For proper progressive flow operation, three-wire communication cables are required to be connected to each valve in the system via the 3-pin Comm Cable connector.

The Progressive Flow Setup is available in different kits, depending on the type of board, the number of units and the length of the communication cable.

The available communication cables are:

- 2-Valve Progressive Flow 8FT Cable
- 2-Valve Progressive Flow 12FT Cable
- 3-Valve Progressive Flow 8FT Cable
- 3-Valve Progressive Flow 12FT Cable
- 4-Valve Progressive Flow 8FT Cable
- 4-Valve Progressive Flow 12FT Cable

NOTE: All cabling must be connected before starting initial valve programming.

Select Progressive Flow from the Alt MAV Output Operation display. Operation in Progressive Flow Mode requires 2 to 4 valves plumbed in parallel, each with a separate flow meter and No Hard Water Bypass unit.

Press NEXT to go to the UNIT NAME display. Set the UNIT NAME as required by the position of the control valve in the system. Each Valve needs to be set to Progressive Flow and have different addresses, 1, 2, 3, and 4. Valve 1 will be the controlling valve of the system.

If setting Valve 1, press NEXT to go to the ADD ANOTHER UNIT display and set the required flow rate adder value. The ADD ANOTHER UNIT setting will add or subtract the number of units currently in service, based on the overall flow rate through the system. The ADD ANOTHER UNIT screen will only appear on Valve 1.

Complete valve setup by pressing NEXT to advance through the remaining displays and make any other required changes prior to exiting programming.

