

Baldwin™-Series 9PAPA

Sample Conditioning System

New! Digital Control System, Same Reliable Performance

The new Baldwin™-Series 9PAPA Sample Conditioning Systems by Perma Pure are a powerful combination of the proven track record of Baldwin™-Series classic coolers with a new digital control system. The systems are pre-assembled and tested to ensure immediate, reliable performance. All components are mounted and plumbed, system tested and checked for leaks, and ready to mount on a wall or in a rack.

Key Features

- **Baldwin Digital Cooler:** Newest, high quality design provides extended service life
- **Two active impingers with one or two sample streams**
- **Drain Pump:** Steel housing and all metal gear box ensure lasting performance
- **Tubing:** Heavy-duty, thick wall does not “set”, significantly reducing replacement costs
- **Sample Pump:** Invert disk valve does not corrode, providing reliable performance
- **Sample Filter:** High purity, 2 micron ceramic element does not absorb NO₂
- **Communication:** RS 485 Modbus Standard on all systems

Components Include

- **Baldwin-Series Thermo-Electric Cooler** (Model 20410D)
- **In-line sample Filter(s)** with easy access exchangeable cartridge(s)
- **Water Slip Sensor(s)** • **Peristaltic Pump(s)** • **Sample Pump(s)**

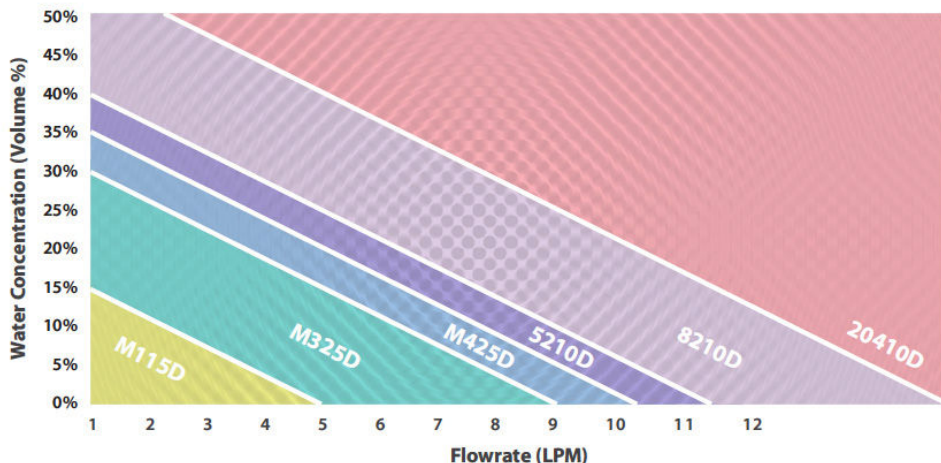


All Baldwin™ Series Coolers Include:

- Dependable water removal
- Single or dual sample streams
- EZ-Clean twist-apart impingers (Optional)
- Low maintenance
- Alarm relays protect analyzers
- Durinert coated impingers (Optional)

Cooler Specs: Standard Capacities of 10 to 20 lpm

Model	Standard Capacity	Impingers		Dimensions (H x W x D)	Weight
		Passive	Active		
20410D	10-20 LPM (21-42 SCFH)	2 x 10 in	2 x 10 in	15 x 13 x 12 in (38 x 33 x 30 cm)	39 lbs (18 kg)



All Baldwin™-Series Coolers use thermo-electric elements (Peltiers) to cool the sample gas to the desired dew point temperature. Condensate can be removed as it forms by an available peristaltic pump.

Intelligent Product Numbering System

Follow the below 8 steps to determine your product number.

Step 1: Select Voltage*	1A: 115 VAC, 50/60 Hz	2A: 230VAC, 50 Hz
Step 2: Select System Mounting Configuration*	RM: Rack Mount	WM: Wall Mount
Step 3: Cooler*	20: 20410D Digital Cooler	
Step 4: Cooler*	(2) 10" Impingers for 204120D: S1: EZ-Clean G1: Glass K1: Kynar D1: Durinert	
Step 5: Select NJ Thermocouple Option	KP: (2) New Jersey Thermocouple Temperature Sensors (Stainless Steel and Stainless-Durinert Coated Impingers Only; Lead Wires Only.)	
Step 6: System Piping Configuration	0: Active Pump, Passive Plumbing (Standard)	PP: Passive Pump Active Plumbing
Step 7: Sample Pump	0: No Pump	C1: Carbon-Filled Teflon, Dual Head, Series Configuration
Step 8: Flow Meter Option	VP: Needle Valve, Dual Stream Parallel Configuration	

Example Product Number

4S-9PAPA	0	WM	20	S1	KP	0	C1	VP
System	Voltage	Mounting	Cooler	Impingers	NJ Thermocouple	Piping	Pump	Flow Meter