METER *One*™

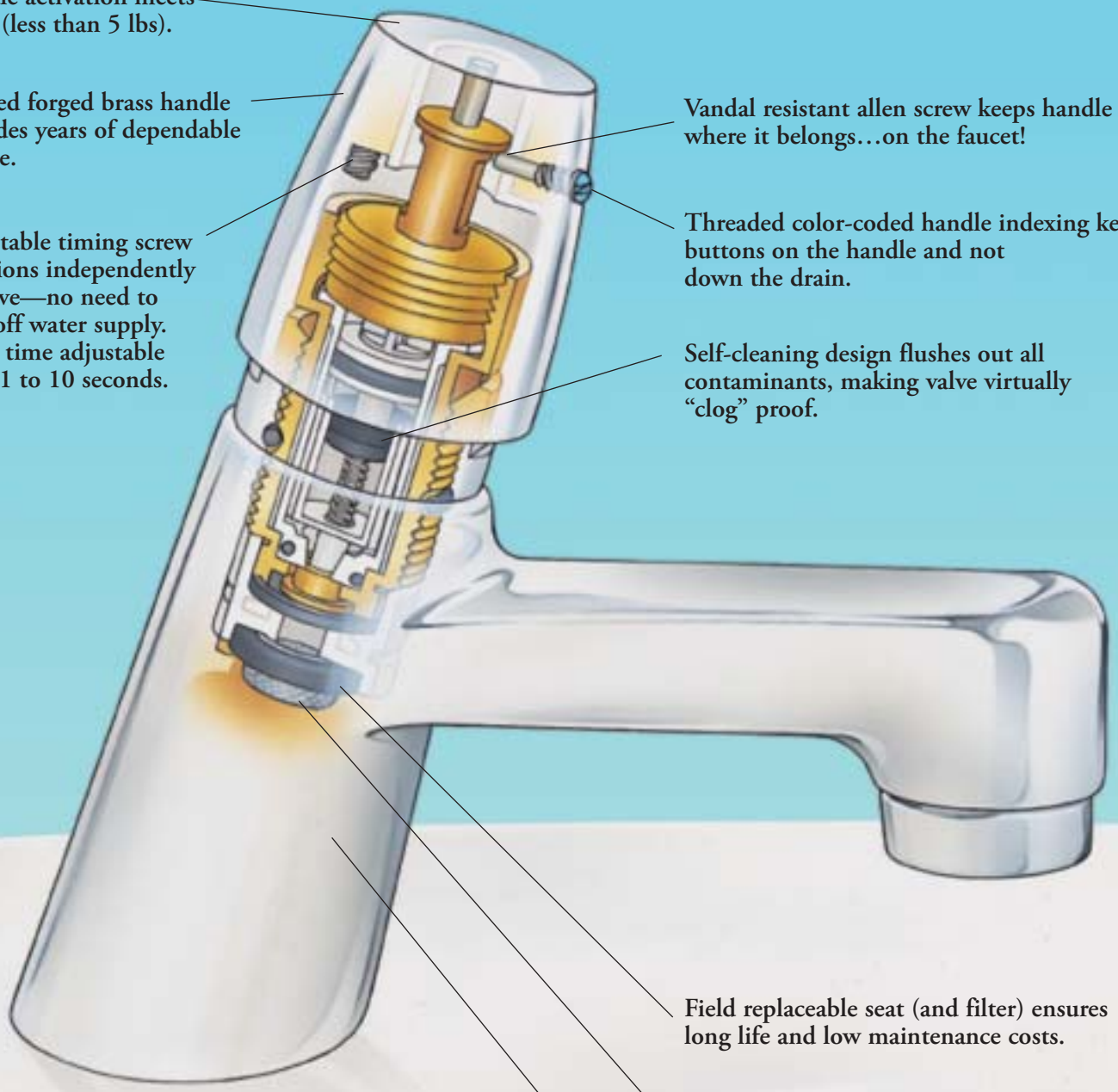
Metering Faucets Have Never Been So Distinctive And Reliable

POWERS™

Water Tempering Innovation Since 1891

METER *One*™

Patented* Unique, Innovative Design Washes Away Performance Concerns



Handle activation meets ADA (less than 5 lbs).

Rugged forged brass handle provides years of dependable service.

Adjustable timing screw functions independently of valve—no need to turn off water supply. Cycle time adjustable from 1 to 10 seconds.

Vandal resistant allen screw keeps handle where it belongs…on the faucet!

Threaded color-coded handle indexing keeps buttons on the handle and not down the drain.

Self-cleaning design flushes out all contaminants, making valve virtually "clog" proof.

Field replaceable seat (and filter) ensures long life and low maintenance costs.

Fine mesh filter provides improved resistance to minute particles found in water supply.

Inlet water pressure assists shutoff, ensuring a drip-tight seal.

* Patent # 6,286,533

ADA Compliant

The Right One For Your Metering Faucet Needs

P1805
Single faucet for tempered water.

P1805 Single faucet 4" (102mm)
cover plate for tempered water.

Retrofit Made Easy

All Meter One cartridges retrofit into existing Crane lavatory fittings featuring both Dial-ese® and Magi-close® operating cartridges. Any single shank, 4" (102mm) centerset or 8" (203mm) widespread can be retrofitted by simply removing the existing cartridge and dropping in Meter One. Within minutes, Meter One provides timed water delivery with automatic shutoff. This can save a facility hundreds/ thousands of gallons of water over its life while providing friendly, easy-to-use operation.

Start with any Crane faucet featuring Dial-ese® or Magi-close® operating units.

Simply remove the exi and operating unit(s).

METER One™

P1005 (shown)

4" (102mm)
centerset faucet.

P1105 4" (102mm)
centerset faucet with pop-up waste.

P1405 (shown) 8" (203mm)
widespread faucet.

P1505 8" (203mm)
widespread faucet
with pop-up waste.

Inset: P1405–CW (shown)
Cold water only.

P1505–CW
Cold water only with
pop-up waste.

ting handle(s)

Drop in the Meter One cartridge and tighten down.

In just a few short minutes, your new Meter One faucet is fully operational, saving water and money!

Common Factors Affecting Typical Metering Faucets

Vulnerabilities:

- Water impurities and foreign matter close pilot hole.
- Changes occur in supply conditions (water temperature and pressure).

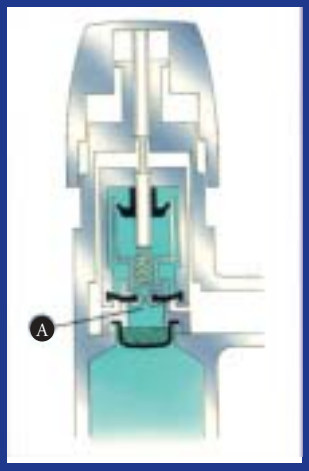
Reasons:

- Typically, water pressure is the mechanism that is used to close the valve. As the pressure fluctuates, timing is disturbed.
- Temperature causes the expansion and contraction of individual components, which in turn, affects timing.
- A metering cartridge design lends itself to small orifices to control timing. Harsh water conditions, or even small microscopic particles, can "clog" these critical openings.

End Results:

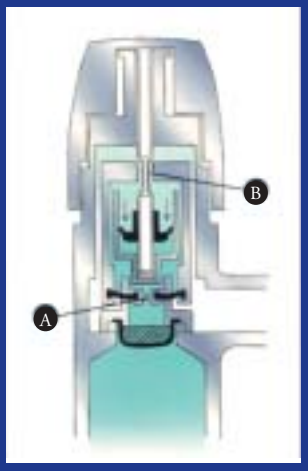
- Erratic timing (originally set to 8 seconds but jumps to 10 and then down to 6).
- Won't hold time (water shuts off immediately), frustrating for user.
- Water runs on (won't shut off) which wastes water.
- Operating effort changes (higher pressures are more difficult to operate). Some products are ADA compliant (less than 5 lbs. operating force) at lower pressures but not so at higher pressures.

Here's How Meter One Works To Maximize Reliability



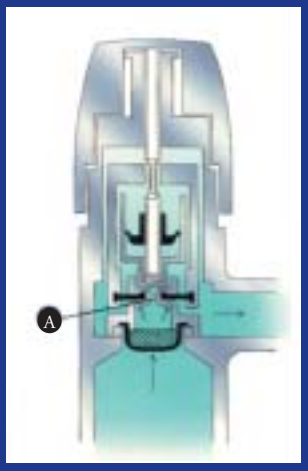
1. Closed Position

Water pressure above pilot valve assembly. "A" equals inlet water pressure.



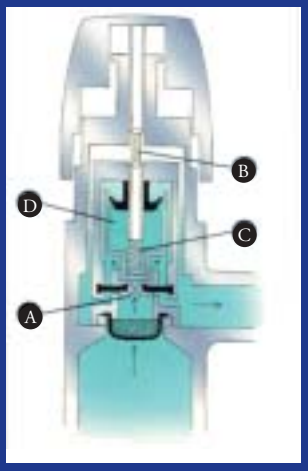
2. Relief Valve Opens

Handle is depressed, opening relief valve "B". Water is channeled through opened relief valve, thus reducing water pressure above pilot valve "A".



3. Pilot Valve Opens

As pressure is reduced, pilot valve "A" is automatically opened with the force of the water supply pressure. Water flows to the spout.



4. Inlet Pressure Assists Closing

Return spring "C" forces handle and stem assembly upward through the damping chamber "D", closing the relief valve "B". When relief valve is completely closed, pressure above pilot valve "A" increases. Meter One returns to closed position (see 1).

Patent Pending #6,286.533

How to Order Meter One from Powers

Ordering Chart

Product No.	Description
P1005	4" (102mm) centerset with 2.0 gpm (7.6 l/min) aerator
P1105	4" (102mm) centerset with pop-up waste and 2.0 gpm (7.6 l/min) aerator
P1405	8" (203mm) widespread with 2.0 gpm (7.6 l/min) aerator
P1505	8" (203mm) widespread with pop-up waste and 2.0 gpm (7.6 l/min) aerator
P1805	Single shank with 2.0 gpm (7.6 l/min) aerator
P1815	Single shank with 2.0 gpm (7.6 l/min) aerator and 4" (102mm) cover plate
Options (specify at end of faucet number, i.e., P1805-A5GD)	
-A5	0.5 gpm (1.9 l/min) outlet
-CS	Chain stay, plug and drain (P1005 & P1405 only)
-CW	Cold water only (P1405 & P1505 only)
-GD	Grid drain
-LF	2.0 gpm (7.6 l/min) laminar flow outlet
-OG	Offset grid drain
-SF	2.0 gpm (7.6 l/min) spray face
-V5	0.5 gpm (1.9 l/min) vandal resistant outlet
-VA	2.0 gpm (7.6 l/min) vandal resistant outlet
-VF	2.0 gpm (7.6 l/min) vandal resistant laminar flow outlet

ADA Compliant

Typical Specification

The faucet shall have push button activation conforming to ANSI A117.1 Building Access Code and meet the performance and activation requirements of the Americans with Disabilities Act (ADA). The valve shall feature a self-cleaning mechanism to prevent clogging and serviceable filter to limit particulate contamination. The faucet shall have an adjustable timing cycle from 1 to 10 seconds which can be made without turning the water supply off. The valve shall be operable from 10 to 120psi and 40°F to 140°F.

The valve shall be Powers model # _____. Any alternate must have a written approval prior to bidding.

ENGINEERING APPROVAL

Project

Contractor

Architect/Engineer

POWERS™
a division of Watts Water Technologies, Inc.

USA: Phone: 1.800.669.5430 • Fax 1.847.229.0526 • www.powerscontrols.com
Canada: Phone: 1.888.208.8927 • Fax 1.888.882.1979 • www.powerscontrols.ca