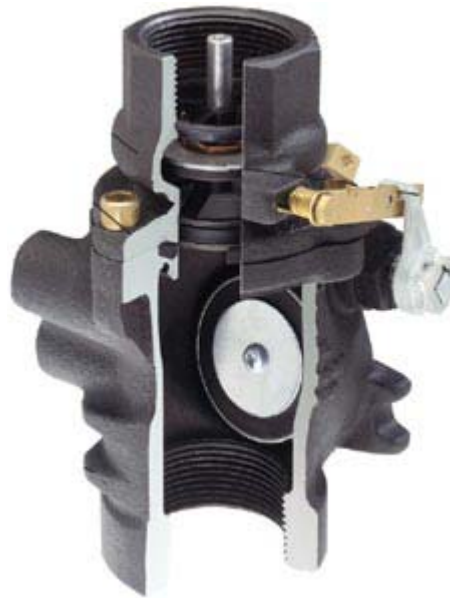


IMPORTANT: OPW products should be used in compliance with applicable federal, state, provincial, and local laws and regulations. Product selection should be based on physical specifications and limitations and compatibility with the environment and materials to be handled. OPW MAKES NO WARRANTY OF FITNESS FOR A PARTICULAR USE. All illustrations and specifications in this literature are based on the latest product information available at the time of publication. OPW reserves the right to make changes at any time in prices, materials, specifications and models and to discontinue models without notice or obligation.



OPW 10 Series Emergency Shut-Off Valves (10BF 10BFC 10BFP 10FCP 10SBFP 10SBFCP 10RF 10RFP 10RFSP 10BM 10BMC 10BHMP 10BHMCP 10SBHMP 10RM 10RMS 10RMSP 10RMP 10BU 10BUC 10BUP 10BUCP 10SBUP 10SBUCP 10RU 10RUS 10RUP 10RUSP 10S-4771 10RW-4735)



OPW 10 Series Emergency Shut-off Valves are installed on fuel supply lines beneath dispensers at grade level to minimize hazards associated with collision or fire at the dispenser. If the dispenser is pulled over or dislodged by collision, the top of the valve breaks off at the integral shear groove, activating poppets and shutting off the flow of fuel. Single-Poppet models shut off supply flow, while

Double-Poppet models shut off supply as well as prevent release of fuel from the dispenser's internal piping.

The base of the Emergency Valve is securely anchored to the concrete dispenser island through a stabilizer bar system within the dispenser sump or pan to ensure proper shearing action. The valve base is secured to the stabilizer bar using a three-point boss mount system or U-Bolt Kit (not included); 10UBK-015 (1-1/2") and 10URK-0200 (sold separately.) Valve inlet (bottom) connections are female pipe threads and outlet (top) connections are available with female threads, male threads or a union fitting.

Other options include suction system models with a normally closed secondary poppet which maintains prime, and models with external threads on the inlet body which connect to secondary containment systems.

Features

- **High Flow Capacity** – The primary poppet is held out of the flow stream while the secondary poppet is held normally open to minimize head loss across the valve and to protect the poppet seals from damage and erosion. True 1 1/2" (4 cm) and 2" (5 cm) body sizes ensure maximum flow.
- **Fire Protection** – A fusible link trips the valve closed at 165° F to shut off fuel supply to the dispenser.
- **Main Poppet Seat Integral to the Top Assembly** – Having the main poppet seat as an integral part of the valve top assures a new, clean seating surface is installed each time the top is replaced. This design also ensures that the integrity of the seal between the valve top and bottom is verified during line testing and allows full inspection of the main poppet when the top is removed.
- **Duragard-Coat Finish** - Provides superior corrosion resistance.
- **Reliable Shut-off** – A stainless steel main spring, a feflon-coated brass packing nut, and a copper/nickel/chrome-plated brass stem are designed to prevent tar build-up and corrosion from interfering with poppet operation after long periods of normal service without activation.
- **Integral Test Port** – A 3/8" (9.5 mm) Test Port allows the piping system to be air tested without breaking any piping connections.
- **Patented Thermal Relief Valve** – Relieves excessive pressure build-up caused by thermal expansion of fuel in the dispenser piping system in the event of fire (double-poppet models only).
- **Low-Profile Tops** – Female and Union-top double-poppet valves have a low-profile top to allow upgrading from OPW single-poppet valves without changing existing piping.
- **Multiple Mounting Options** – Valves are boss-mounted to stabilizer bars in sumps and pans or mounted to bars embedded in the island with optional U-Bolt kits 10UBK-015 (not included). Versatile Combination Body (boss mount/U-Bolt mount) models are available to accommodate most mounting applications with one valve style.

- **Underwriters Laboratories** – Listed for use with gasoline and 85% and 100% methanol. All OPW 10 Emergency Shut-Off Valves meet requirements of UL STANDARD 842.
- **Compatible with 85% ethanol (E85).**

Materials

Top: cast iron

Body: cast iron

Disc: M-19

Carrier: zinc-plated steel

Stem: copper-nickel-chrome plated brass

Poppet spring: stainless steel

Seal: M-19 O-ring

Packing nut: brass, Teflon® coated

Inlet and outlet thread: 1 1/2" (4 cm) NPT (British threads available)

*With black Duragard® coating

Notice:

As per NFPA 30A, electrical supply to the submersible pump must always be disconnected before servicing meters, dispensers or emergency shut-off valves.

Important Notice:

When mounting the OPW 10 Series Emergency Shut-off Valves, the anchoring system employed must withstand a force greater than 650 ft. pounds per valve. NFPA Code 30A, Automotive and Marine Service Station Code, requires that the automatic closing feature of emergency shut-off valves be checked at least once per year by manually tripping the hold-open linkage. OPW recommends the use of PISCES® Stabilizer Bar Support System for proper mounting of 10 Series Valves.

UL Listed



Photo

