KENNEDY VALVE

K81 Guardian Hydrant

UL FM AWWA-502

4½" or 5¼" MVO

Fire hydrants have been used in fire protection for over 100 years. A.W.W.A. C502 was developed in 1913 as a standard for the manufacture and use of dry barrel hydrants. Kennedy has established itself as a leader in the industry with manufacturing experience dating back to 1877. Many of the early hydrants are still in use today.

Kennedy's most recent design is the Guardian. Based on a simple design, it is easy to install, maintain and repair. The Guardian sets a standard for quality in the industry and meets or exceeds all requirements for A.W.W.A. C502 latest revision, and is UL listed, and FM approved.

General Info:

Type: * Dry Barrel Hydrant type

* Traffic (Breakaway to reduce damage and 360° Installation Rotation)

* Compression type (Closing with line pressure)

Material: Ductile Iron Body and Pipe, SS 304 Bolt and Nuts (SS 316 optional)

Recommended Specifications:

- Hydrants shall be UL-listed, and FM approved.
- Hydrants shall conform to A.W.W.A. Standard C-502 latest revision and as specified herein.
- Hydrants shall be of the compression type, closing with line pressure.
- Hydrants shall be of the traffic model breakaway type.
- Hydrant cap and stuffing box shall be of a unitized, one-piece design creating a watertight cavity without the use of gaskets. The combination of 3 O-Rings to a crimped brass ferrule around the stem shall seal the cavity from contact with water. An alemite fitting shall be supplied for periodic lubrication of the operating threads with grease.
- Operating nuts shall be one-piece bronze construction.
- A dirt shield shall be provided to protect the operating mechanism from grit buildup and corrosion due to moisture.
- A thrust washer shall be supplied between the operating nut and stem lock nut to facilitate operation.
- Nozzles shall be of the tamper resistant, ¼ turn type with O-ring seals and stainless steel.
- retaining screws. Maximum of 3 components per nozzle: Nozzle, O-Ring, Retaining Screw to ease and minimize maintenance and minimize spare parts stock.
- An O-ring shall be provided to seal between the upper and lower barrels.
- The main valve shall be of synthetic rubber reinforced with steel.
- The seat shall be of a bronze ring threaded to a bronze insert in the hydrant shoe, with O-rings to seal the drain way and barrel from leakage of water in the shoe.
- Hydrant drain valve shall momentarily force flush with each operation. Drain way shall be of bronze. Drain valve facing shall be of synthetic rubber with a stainless-steel retaining pin.
- Hydrants shall be Guardian as manufactured by Kennedy Valve or approved equal.

Available Specifications:

- Seawater Compatible configuration for Industrial Applications where required.
- MVO (Main Valve Opening)
  - 4½" or 5¼"
- End Condition:
  - 6" Flange (ANSI B16.1 class 125, PN16 Drilling Available)
    - Straight or Elbow Shoe
  - 4", 6" or 8" Mechanical Joint Elbow Shoe
- Pumper Nozzle Size:
  - 4.0" or 4½" NST
  - 4.0" or 5.0" Storz
- Hose Nozzle Size:
  - 2½" NST
- Outlets:
  - 1 way (1 Pumper, 4½" MVO only)
  - 2, 3 or 4 ways with or without Monitor Arm
- "Trench" or "Bury" Depth:
  - 1'6"to 11'6" standard. Longer length available as POA.
- Op Nut:
  - Square, Pentagon, Hexagon, Octagon
  - 1⅛, 1¼, 1½
  - Open Right or Open Left Available.

Available Parts and Kits:

- Hydrant Patriot 6" MJ Check Valve for Water Supply Protection
- Extension Kits
- Traffic/Collision Repair Kit
- Main Valve Repair Kit
- Elbow Repair Kit
- Bonnet Replacement Kit
- Monitor Hydrant Arm Kit Drilled to both ANSI Class 150 3" and 4" for existing 5¼" MVO Hydrants
- Spanner Wrench
- Tamper Proof Shield Nut and Wrench

Note: Kits include all the parts needed to do the repair.
Additional parts are also available to buy separately.
See the data sheet for the complete list of available parts.