

# The Kennedy Guardian



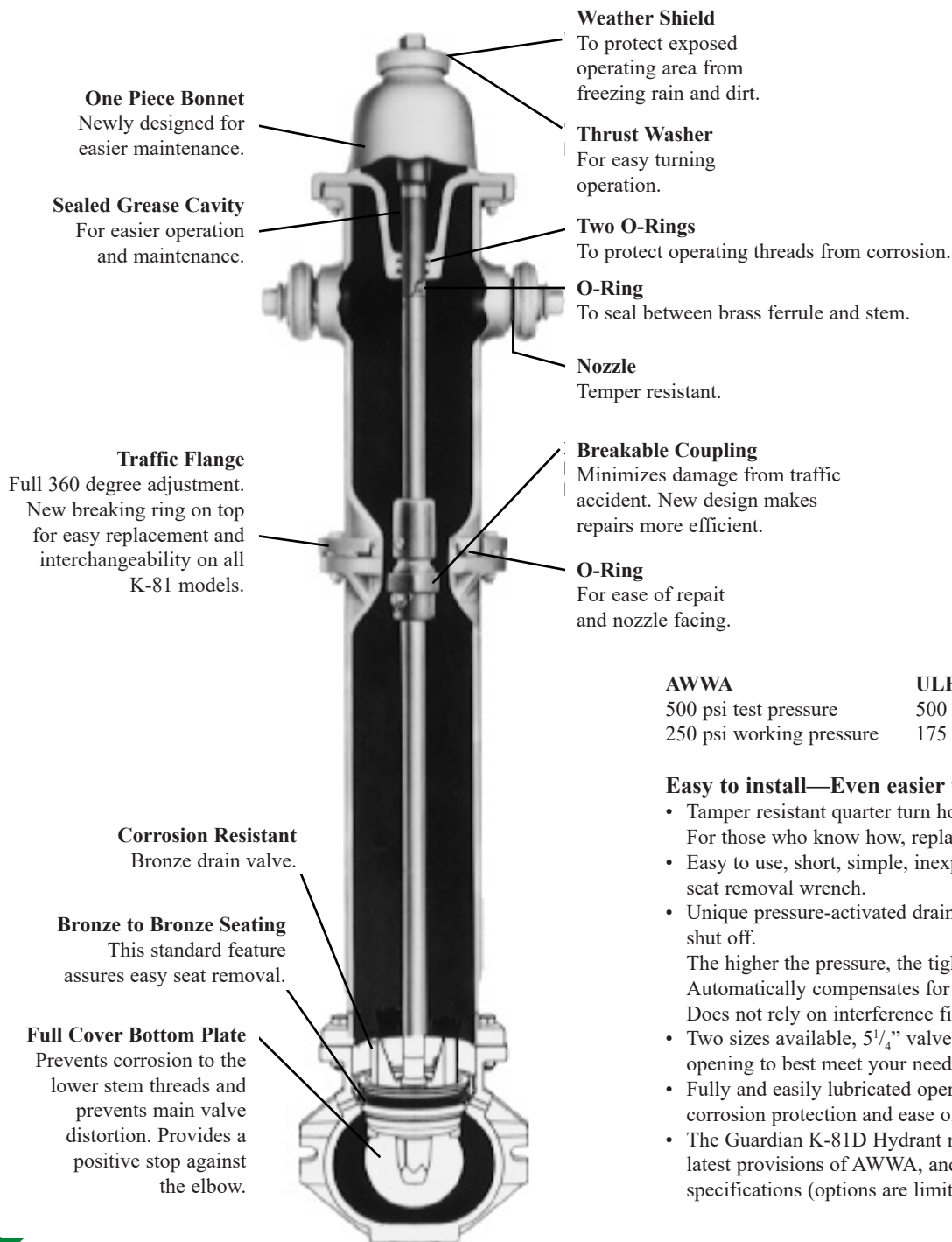
Fire hydrants have been used in fire protection for over 100 years. A.W.W.A. C502 was developed in 1913 as a standard for the manufacture and use of dry barrel hydrants. Kennedy has established itself as a leader in the industry with manufacturing experience dating back to 1905. Many of the early hydrants are 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.

K81D Meets or exceeds requirements of A.W.W.A. C-502 and is UL listed and FM approved.

K-81A Meets or exceeds requirements of A.W.W.A. C-502.

## Guardian Features



**One Piece Bonnet**  
Newly designed for easier maintenance.

**Sealed Grease Cavity**  
For easier operation and maintenance.

**Traffic Flange**  
Full 360 degree adjustment. New breaking ring on top for easy replacement and interchangeability on all K-81 models.

**Corrosion Resistant**  
Bronze drain valve.

**Bronze to Bronze Seating**  
This standard feature assures easy seat removal.

**Full Cover Bottom Plate**  
Prevents corrosion to the lower stem threads and prevents main valve distortion. Provides a positive stop against the elbow.

### Weather Shield

To protect exposed operating area from freezing rain and dirt.

### Thrust Washer

For easy turning operation.

### Two O-Rings

To protect operating threads from corrosion.

### O-Ring

To seal between brass ferrule and stem.

### Nozzle

Temper resistant.

### Breakable Coupling

Minimizes damage from traffic accident. New design makes repairs more efficient.

### O-Ring

For ease of repair and nozzle facing.

### AWWA

500 psi test pressure  
250 psi working pressure

### ULFM

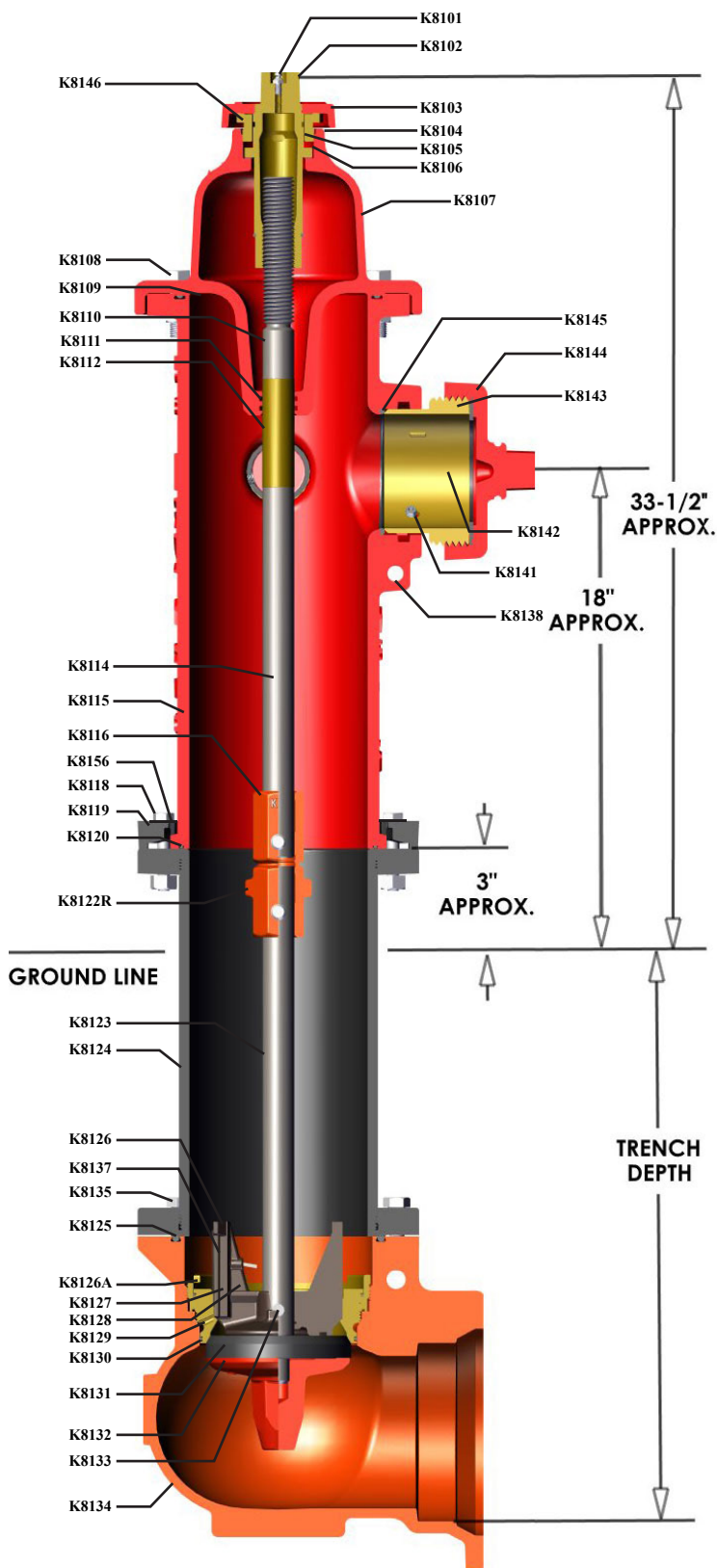
500 psi test pressure  
175 psi working pressure

### Easy to install—Even easier to maintain

- Tamper resistant quarter turn hose and steamer nozzles. For those who know how, replacement is easy.
- Easy to use, short, simple, inexpensive and lightweight seat removal wrench.
- Unique pressure-activated drain valve assures positive shut off. The higher the pressure, the tighter the seal. Automatically compensates for wear due to usage. Does not rely on interference fit.
- Two sizes available, 5<sup>1</sup>/<sub>4</sub>" valve opening and 4<sup>1</sup>/<sub>2</sub>" valve opening to best meet your needs.
- Fully and easily lubricated operating threads for corrosion protection and ease of operation.
- The Guardian K-81D Hydrant meets or exceeds all the latest provisions of AWWA, and UL 246-FM 1510 specifications (options are limited on UL/FM models)



# Guardian K81D Technical / Dimensional Data (AWWA-UL/FM)



DETAIL & PART	MATERIAL	ASTM SPEC (or as stated)
K8101 ALEMITE FITTING	STAINLESS STEEL	A276 (304)
† K8102 OPERATING STEM NUT	BRONZE	B584 C87850
K8103 DIRT SHIELD	CAST IRON	A126 CLASS B
K8104 STEM LOCK NUT	BRONZE	B584 C87850
† K8105 O-RING	BUNA-N (SYN. RUBBER)	D2000
† K8106 THRUST WASHER	NYLATRON GS	MIL LP-410
K8107 HYDRANT CAP	CAST IRON	A126 CLASS B
K8108 CAP BOLTS & NUTS	STAINLESS STEEL	F593C/F594
† K8109 CAP O-RING	BUNA-N (SYN. RUBBER)	D2000
* K8110 STEM FERRULE	BRASS	B135 C26000
† K8111 O-RING	BUNA-N (SYN. RUBBER)	D2000
* K8112 O-RING	BUNA-N (SYN. RUBBER)	D2000
K8114 UPPER STEM	C.R. STEEL	A108
K8115 UPPER BARREL	CAST IRON	A126 CLASS B
K8116 STEM BREAKING COUPLING	CAST IRON	A126 CLASS B
K8118 BOLTS & NUTS	STAINLESS STEEL	F593C/F594
K8119 BREAKING RING	CAST IRON	A126 CLASS B
K8120 O-RING	BUNA-N (SYN. RUBBER)	D2000
K8122R COUPLING PINS	STAINLESS STEEL	410
K8123 LOWER STEM	C.R. STEEL	A108
K8124 LOWER BARREL	DUCTILE IRON	ANSI 21.50, 21.51
† K8125 ELBOW O-RING	BUNA-N (SYN. RUBBER)	D2000
† K8126A O-RING	BUNA-N (SYN. RUBBER)	D2000
* K8127 SEAT RING INSERT	BRONZE	B584/C87850
† K8128 SEAT RING	BRONZE	B584/C87850
K8129 DRAIN TUBE	BRASS	B135 C23000
† K8130 O-RING	BUNA-N (SYN. RUBBER)	D2000
† K8131 MAIN VALVE	EPDM	
K8132 BOTTOM PLATE	CAST IRON	A126 CLASS B
K8133 DRAIN VALVE PIN	STAINLESS STEEL	410/416
K8134 ELBOW	DUCTILE IRON	A536 10 70 50 05
K8135 ELBOW BOLTS AND NUTS	STEEL-302/304 STAINLESS	ASTM F593
K8136 DRAIN VALVE	BRONZE	B806 C95400/C95500
† K8137 DRAIN VALVE FACING W/INSERT	BUNA-N W/STAINLESS STEEL	D2000/A276 (304)
K8138 NOZZLE CHAIN 'S' HOOK	STEEL	A108
K8139 NOZZLE CAP CHAIN	STEEL	A108
K8140 NOZZLE CHAIN BAND	STEEL	A108
† K8141 NOZZLE RETAINING SCREW	STAINLESS STEEL	A276 (304)
# K8142 NOZZLE: HOSE / STEAMER	BRONZE	B806C95400/B584C87850
†# K8143 NOZZLE CAP GASKET	RUBBER	D2000 TYPE AA
# K8144 NOZZLE CAP	CAST IRON	A126 CLASS B
†# K8145 O-RING	BUNA-N (SYN. RUBBER)	D2000
K8146 ALLEN HEAD SET SCREW	STAINLESS STEEL	A276 (410)
K8147 SEAT REMOVAL WRENCH		
K8148 NOZZLE REMOVAL TOOLS		
† K8149 COLLISION REPAIR KIT		
K8150 GRADE EXTENSION KIT		
K8156 BREAKING RING STRAPS		

\* Denotes that part is available only as part of an assembly

# Must specify type of Nozzle, Hose or Steamer.

† Recommended spare parts.

**NOTE: Also available in DI 350 PSI.**

## Accessories

MARKINGS		STYLE	SHOE SIZE	A
FRONT:	BACK:	M.J.	4	7 3/4
YEAR	K.V. MONOGRAM	M.J.	6	8
KENNEDY	KENNEDY	Flange	4	7 7/8
ELMIRA, N.Y.	ELMIRA, N.Y.	Flange	6	8 1/8
SIZE	SIZE	Tyson	6	9
TYPE	UL/FM			
250CWP	250			

Contact Factory for UL/FM Limitations

Tyton ends available only in 5 1/4" Main Valve Hydrants.  
4" shoe dimensions apply to 4 1/2" Main Valve Hydrants only.

