



Pillar Type Dry Barrel Fire Hydrant

KENNEDY GUARDIAN K81D

Kennedy 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 Valves U.S.A. 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 Guardian fire hydrant is reliable, simply design, easy to install and easy to maintain.



SPECIFICATIONS

SIZES: Flanged 6" ANSI 150 FF / DN150 PN 16

Working Pressure: 250 PSIG

UL Listed and FM approved. Meets or exceeds AWWA C 502 standards

Meeting NFPA connection requirements

Traffic Breakable Flange, 360 Degree Adjustable upper Barrel

Cast Iron / Ductile Iron Barrels with Bronze Nozzles and Plug

Coating: Fusion Bonded Epoxy and Polyester

Models

K81D: UL/FM AWWA 502

K81A: AWWA 502

K81AM: UL/FM AWWA Monitor Flanged

Upper Barrel Configurations

Standard : 1 Pumper & 2 Hose Nozzles

Options : 2 Hose Nozzles

: 2 Pumper Nozzles

: 1 Pumper & 3 Hose Nozzles

Inlet Connections

Standard : Flanged 6" ANSI 150 or DN 150 PN 16 FF

Options : 6" Mechanical Joint, Push-on or

Tyton Ring Type

6" 250# Raised Face Elbow

4" Flanged , Mechanical Joint,

Push-on or Tyton Ring Type

8" Mechanical Joint or Flanged

Hose Outlets

Standard : 2 X 2 1/2" NST Threaded Hose connection

Options : BS 336 Threads, Instantaneous

Main Valve opening

Standard: 5 1/4", optional 4 1/2"

Pumper Nozzle:

Standard: 4" or 4 1/2" NST Threaded

Storz outlet optional

Couplings, Screw on Gate valves

Test Pressure

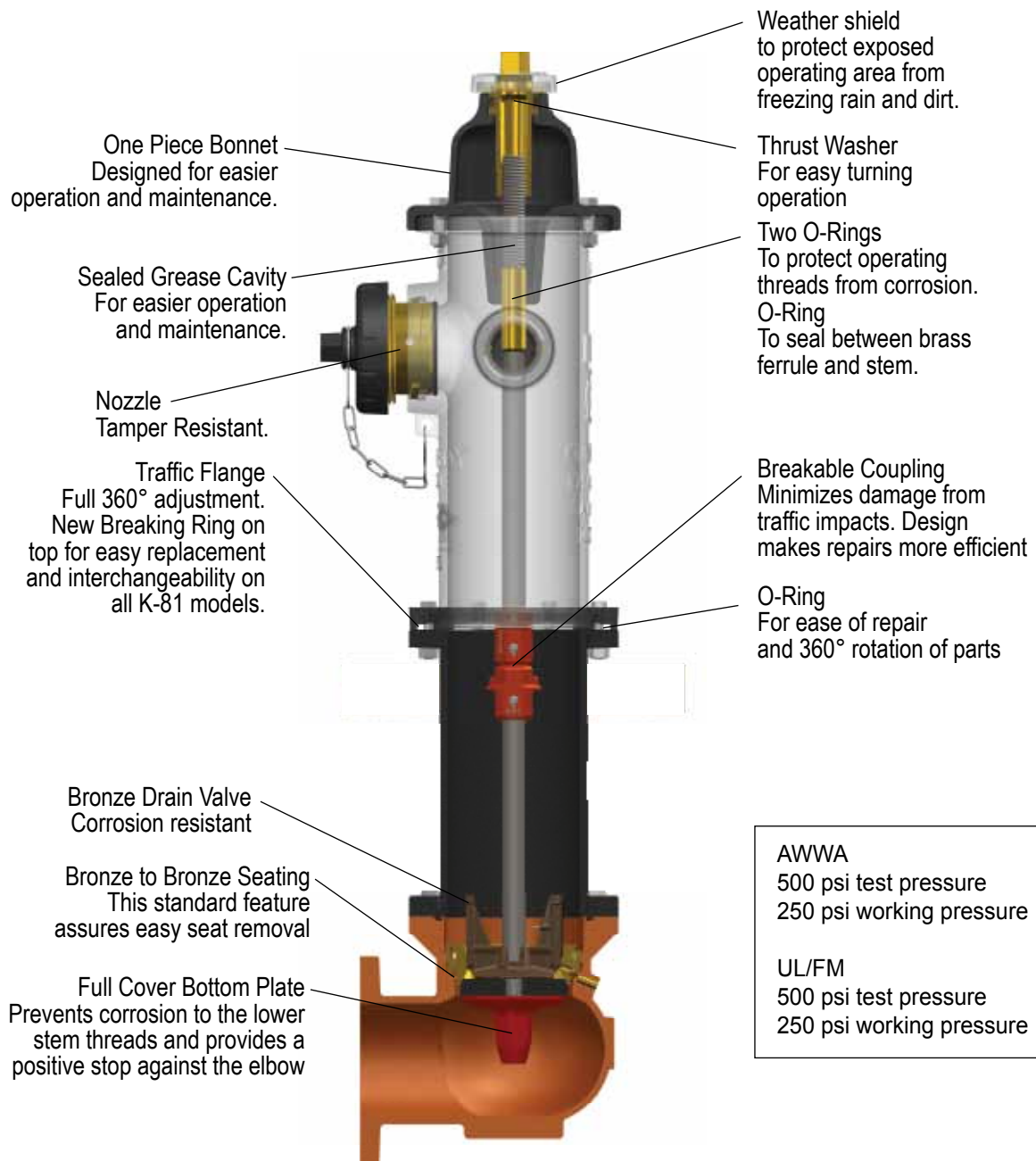
Seat Test: 500 PSI

Body Hydraulic: 500 PSI

Remarks: Options are limited to UL/FM models. Please check with us prior to ordering.



GUARDIAN K81D FEATURES

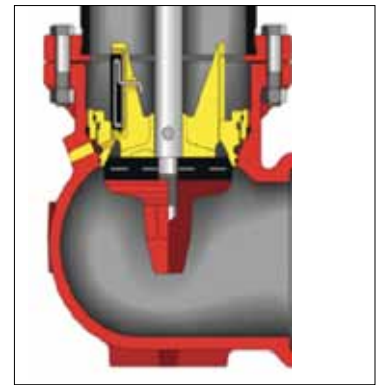
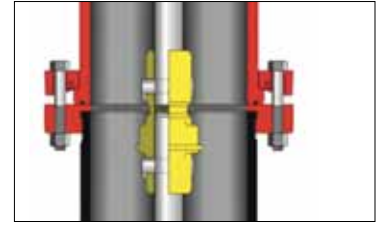
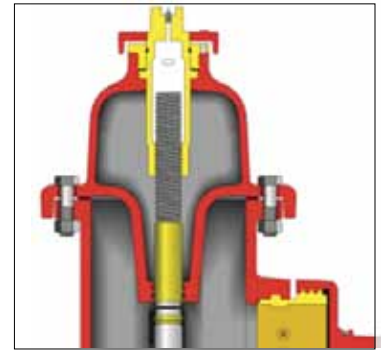
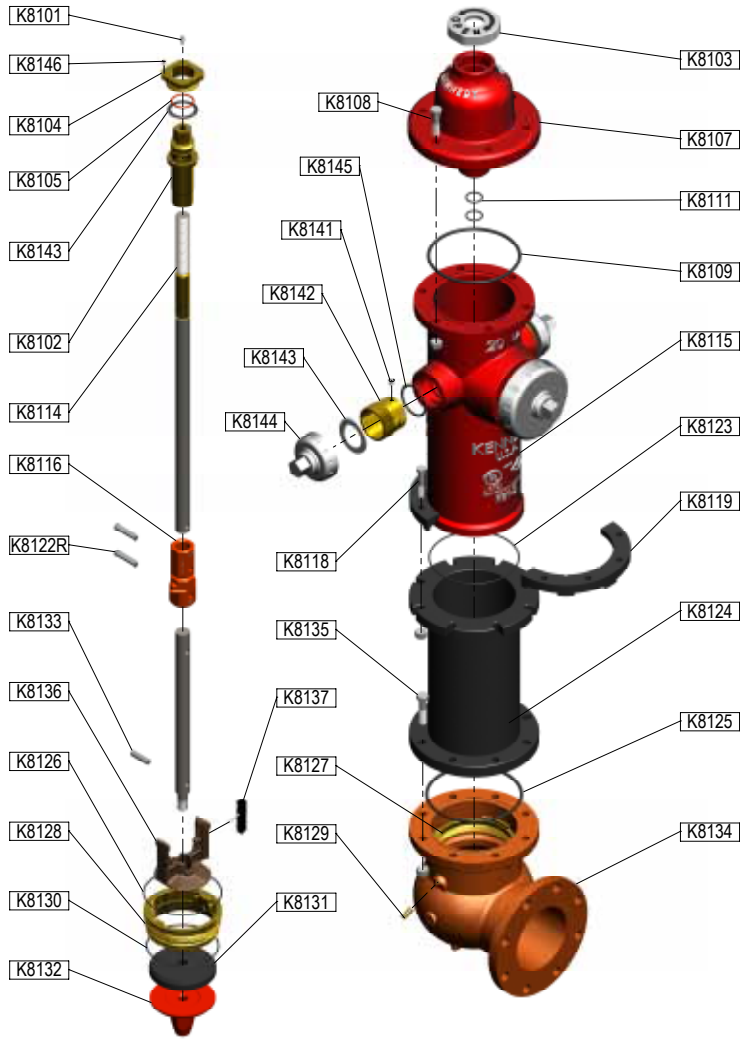


FEATURES

Kennedy Guardian Fire hydrants have many additional features as indicated below:

- Easy to use and easy to maintain
- Traffic flange features avoiding any leakage in case of impact without damaging the main valve
- Antifriction bearing at thrust collar for smooth operation and low operating torque
- All K81 hydrants exceed the flow requirements of AWWA C502, UL246 and FM1510
- Optional Extension kit to increase trench length by 6" increment
- Number of turns for fully open the hydrant is 15 ½ only
- Proven main valve design offering bubble tight shut-off
- Unique pressure activated drain valve assures positive shut off; Higher the pressure tighter the seat Automatically compensates for wear due to usage and does not rely on interference fit
- Drain ports to drain all water after the operation preventing any possible corrosion and cold weather freeze up
- Anticorrosion protection by internal and external fusion bonded epoxy coating and polyester coatings
- NSF certified epoxy coating on wetted DI parts
- Optional trim for salt water application on request
- Optional warranty up to 10 years on standard design upon request

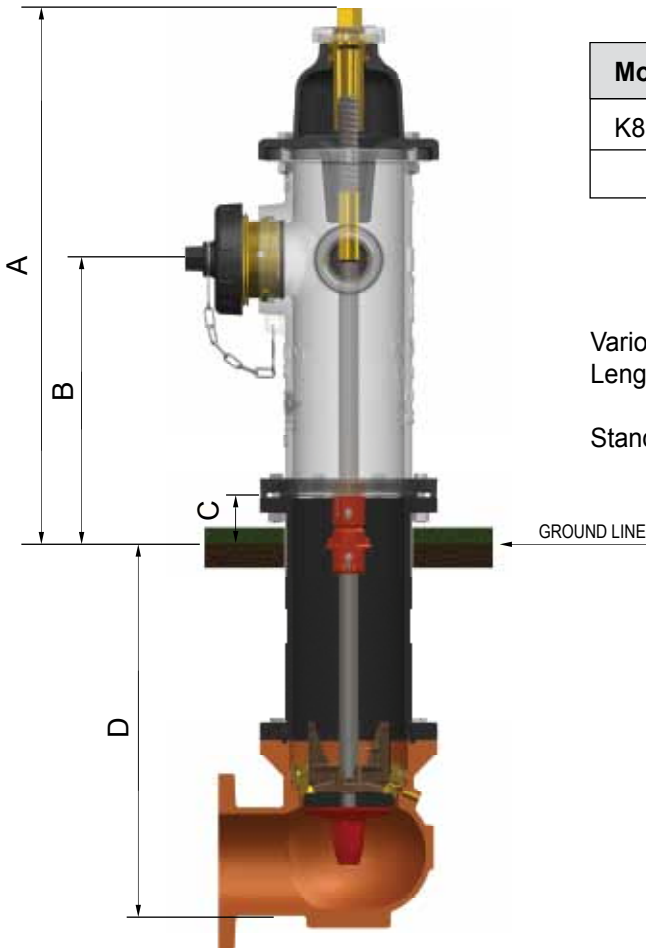
GUARDIAN K81D PART LIST



	ITEM NO.	DESCRIPTION	MATERIAL	ASTM SPEC
	8101	ALEMITE FITTING	STAINLESS STEEL	A276 (304)
+	8102	OPERATING STEM NUT	BRONZE	B584 C84400/AWWA GRADE A
	8103	DIRT SHIELD	CAST IRON	A126 CLASS B
	8104	STEM LOCK NUT	BRONZE	B584 C84400/AWWA GRADE A
+	8105	O-RING	RUBBER	D2000
+	8106	THRUST WASHER	NYLATRON GS	MIL LP-410
	8107	HYDRANT CAP	CAST IRON	A126 CLASS B
	8108	CAP BOLTS & NUTS	STEEL (ZINC PLATED)	A307/SAE GRADE 2
+	8109	BONNET O-RING	RUBBER	D2000
*	8110	STEM FERRULE	BRASS	B135 C26000
+	8111	O-RING	BUNA-N (SYN. RUBBER)	D2000
*	8112	O-RING	BUNA-N (SYN. RUBBER)	D2000
	8114	UPPER STEM	COLD DRAWN STEEL	A108 C1018/C1020
	8115	UPPER BARREL	CAST IRON/DUCTILE IRON	A125 CLASS B/ASTM 536 70-50-5
	8116	STEMBREAKER COUPLING	CAST IRON	A126 CLASS B
	8118	BOLTS & NUTS	STEEL (ZINC PLATED)	A307/SAE GRADE 2
	8119	BREAKING RING	CAST IRON	A126 CLASS B
	8120	O-RING	BUNA-N (SYN. RUBBER)	D2000
	8122R	COUPLING PINS	STAINLESS STEEL	302 HQ
	8123	LOWER STEM	COLD DRAWN STEEL	A108 C1018/C1020
	8124	LOWER BARREL	DUCTILE IRON (OR C.I.)	ANSI/AWWA C151/A21.5
+	8125	ELBOW O-RING	BUNA-N (SYN. RUBBER)	D2000
+	8126	O-RING	BUNA-N (SYN. RUBBER)	D2000
*	8127	SEAT RING INSERT	BRONZE	B584 C84400/AWWA GRADE A
+	8128	SEAT RING	BRONZE	B584 C83600
	8129	DRAIN TUBE	BRASS	B135 C 33000
+	8130	O-RING	BUNA-N (SYN. RUBBER)	D2000
+	8131	MAIN VALVE	EPDM W/STL. INSERT	D2000
	8132	BOTTOM PLATE	CAST IRON	A126 CLASS B
	8133	DRAIN VALVE PIN	STAINLESS STEEL	410/416
	8134	ELBOW	CAST IRON	A126 CLASS B
	8135	ELBOW NUTS AND BOLTS	STAINLESS STEEL	F593C/F594
	8136	DRAIN VALVE	BRONZE	B806 C95400/95500
+	8137	DRAIN VALVE VACING W/INSERT	BUNA-N W/STAINLESS STEEL	D2000/A2276 (304)
	8139	NOZZLE CAP CHAIN	STEEL	A108
	8140	NOZZLE CHAIN BAND	STEEL	A108
+	8141	NOZZLE RETAINING SCREW	STAINLESS STEEL	A276 (304)
#	8142	NOZZLE (STROZ OPTIONAL)	BRONZE	B584 C8400/AWWA GRADE A
+#	8143	NOZZLE CAP GASKET	NEOPRENE	D2000
#	8144	NOZZLE CAP	CAST IRON	A125 CLASS B
+#	8145	O-RING	BUNA-N (SYN. RUBBER)	D2000
	8146	ALLEN HEAD SET SCREW	STAINLESS STEEL	A276 (410)
	8147	SEAT REMOVAL TOOL		
	8148	NOZZLE REMOVAL TOOLS		
+	8149	COLLISION REPAIR KIT		
	8150	GRADE EXTENSION KIT		

* Denotes that the part is available only as part of an assembly
 # Must specify type of nozzle, hose or pumper
 + Recommended spare parts

GUARDIAN K81D DIMENSIONS






Model		A	B	C	D	Weight
K81D	INCH	33.5"	18"	3"	48"	440 lb
	MM	851	457	76	1220	198 kg




Various Trench depth options (D) available in 30" -84" Length (760mm to 2000mm) at an increment of 6"

Standard Color: Red or Yellow

OPTIONAL EXTRAS FOR HOSE OUTLET

	NST Screwed in Gate Valve 2 1/2" Cast Iron Body
	BS336 Instantaneous Coupling 2 1/2" Copper Alloy
	BS336 Gate valve with Instantaneous Coupling 2 1/2" Copper Alloy

ACCESSORIES FOR MAIN LINE

	Patriot Hydrant special Check Valves 6" 250 PSI CI / DI Body
	UL/FM Isolation Gate Valves 3" to 12" 250 PSI CI / DI Body
	UL/FM Check Valves 3" to 12" 250 PSI CI /DI Body



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