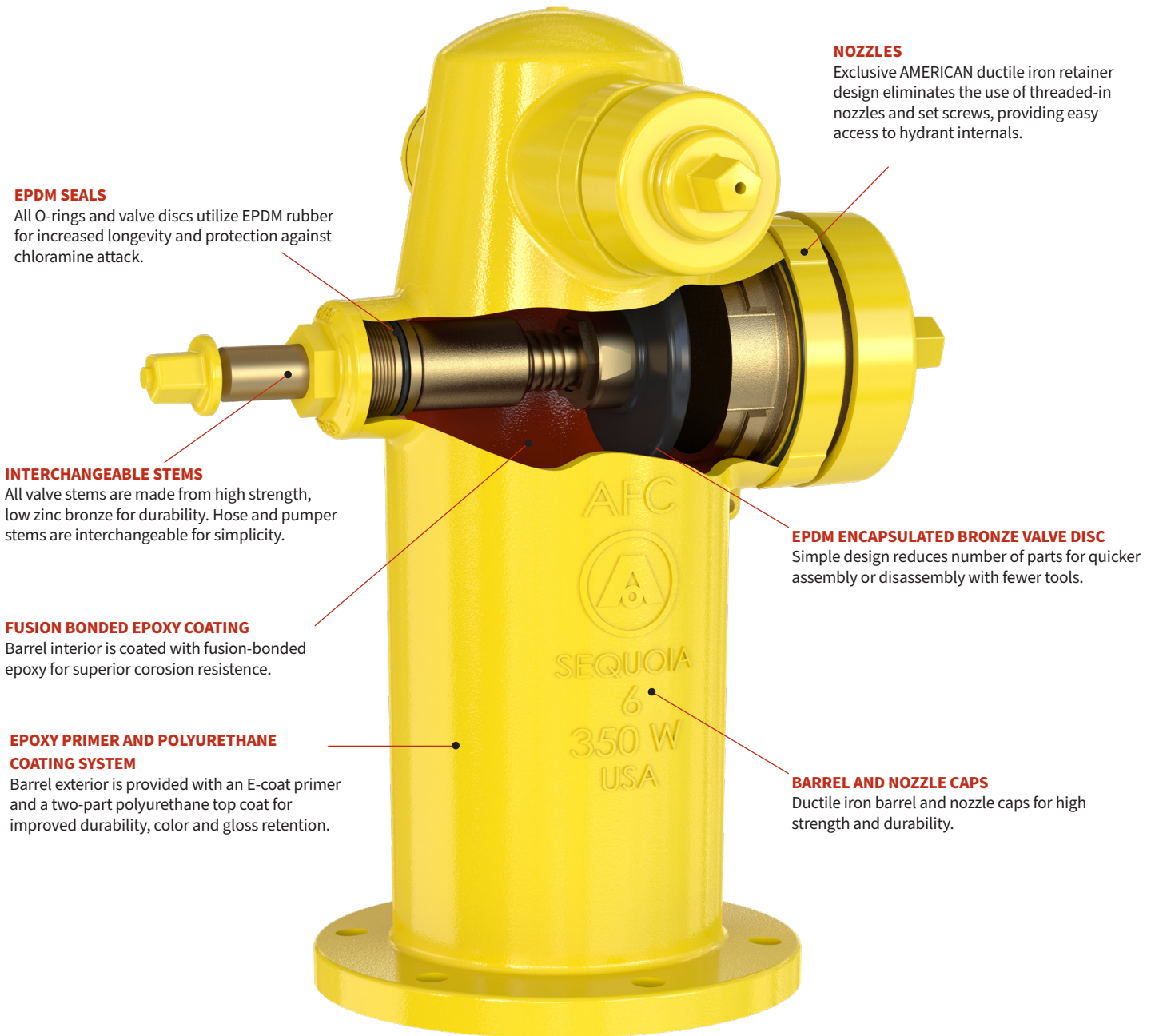


SEQUOIA® WET BARREL FIRE HYDRANT
SEQUOIA® WET BARREL CHECK VALVE
BY AMERICAN FLOW CONTROL®



AMERICAN
FLOW CONTROL

CONSTRUCTION



AMERICAN Flow Control strongly recommends that you follow routine maintenance on fire hydrants as outlined in AWWA Manual M17 for Installation, Field Testing and Maintenance of Fire Hydrants. The ease of operation and the frequency of repair depends on the condition of the water system and the maintenance given. Under most operating conditions AMERICAN Flow Control recommends semiannual inspection of fire hydrants.

DESIGN

The SEQUOIA® fire hydrant, by AMERICAN Flow Control® incorporates more than a century of experience in design, manufacture and field experience from the iconic American-Darling and Waterous brands. This means dependable and efficient operation when needed.

The SEQUOIA hydrant is rated at 350 psig and is tested at 700 psig. This hydrant meets or exceeds all requirements of ANSI/AWWA C503 for wet-barrel hydrants.

SEQUOIA is manufactured with the features you expect from a high-quality fire hydrant. The exclusive nozzle retention design ensures the hydrant is easily repaired by just one person in the event of damage to the nozzles.

The SEQUOIA fire hydrant is Certified to NSF Standard 61 and NSF Standard 372, which exhibit compliance with U.S Safe Drinking Water Act.

UL-FM

The SEQUOIA hydrant is UL Listed and FM Approved. Both UL and FM Approvals require that we consistently manufacture and test our hydrants in full compliance with their stringent standards. Our facilities are subject to periodic inspections to ensure we are in compliance with their standards.

FEATURES/BENEFITS

- Meets or exceeds ANSI/AWWA C503 for system performance
- Barrel exterior is furnished with an E-coat primer and a two-part polyurethane top coat for durability, gloss, and color retention
- Barrel interior is coated with Fusion Bonded Epoxy for superior corrosion resistance and is compliant with ANSI/AWWA C550.
- Double O-ring seals on stem to enhance performance.
- EPDM encapsulated bronze valve disc ensures tight seating of the disc and nozzle
- EPDM seals ensure longevity and resistance to water treatment chemicals.
- Exclusive AMERICAN nozzle retention system design eliminates the use of hard to remove threaded nozzle designs and the need to use nozzle retention pins or set screws that may become dislodged or lost
- Hose and pumper stems are interchangeable for simplicity and are made from high strength, low zinc bronze for durability.
- Built and tested to meet increased system pressure demands though UL proof of design testing to 1400 psig.
- Ductile iron barrel and nozzle caps allow for standard 350 psig rating and testing to 700 psig from the factory

SPECIFICATIONS

Fire hydrants shall meet or exceed ANSI/AWWA C503, latest revision. Rated working pressure shall be 350 psig, test pressure shall be 700 psig and hydrants shall include the following specific design criteria:

Hydrant barrels shall be made of ductile iron. All pumper and hose nozzles shall be retained by a single piece threaded ductile iron retainer. Threaded-in nozzles and nozzles using set screws or wedge pins are not allowed. Nozzle caps and stem nuts shall be ductile iron and available with 1-1/8" and 1-1/2" pentagons.

Hydrant shall be wet-barrel construction with individually valved outlets. Pumper and hose valve stems and stuffing boxes shall be interchangeable. Valve disc and disc components shall be from bronze alloys. All valve washers and resilient seals shall utilize EPDM rubber.

The hydrant barrel exterior shall be factory coated with

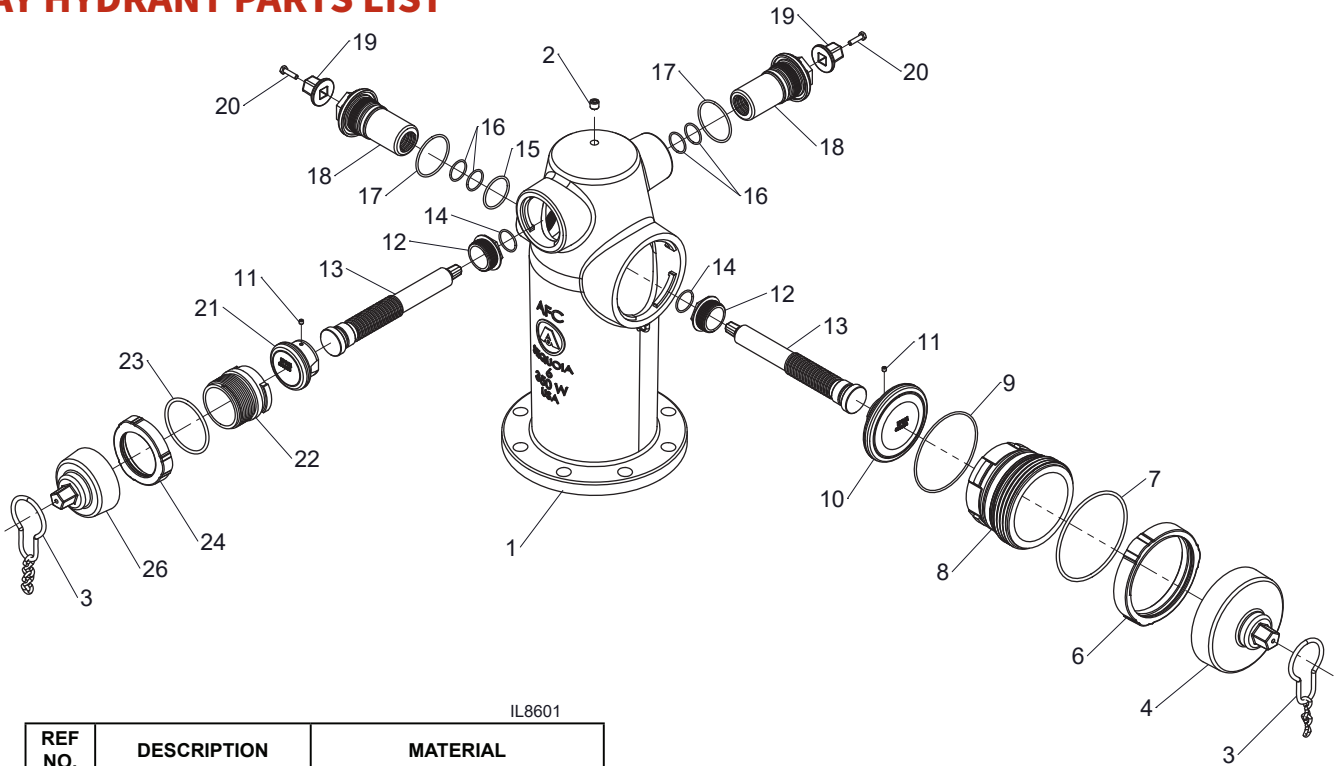
Electrodeposition (E-coat) epoxy primer and catalyzed two-part polyurethane top coating. The wetted surfaces of the hydrant barrel interior shall be coated with Fusion Bonded Epoxy and be compliant with ANSI/AWWA C550.

Hydrant shall be UL Listed and FM Approved. All hydrants are to be Certified to NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372.

Hydrant to be supplied with a 2-D bar code, or similar, capable of allowing a seamless enrollment of the manufacturing attributes and hydrant location into a cloud-based GIS application, AFC Mapper Pro, or equal.

Hydrants shall be SEQUOIA® by AMERICAN Flow Control®, or approved equal.

2-WAY HYDRANT PARTS LIST

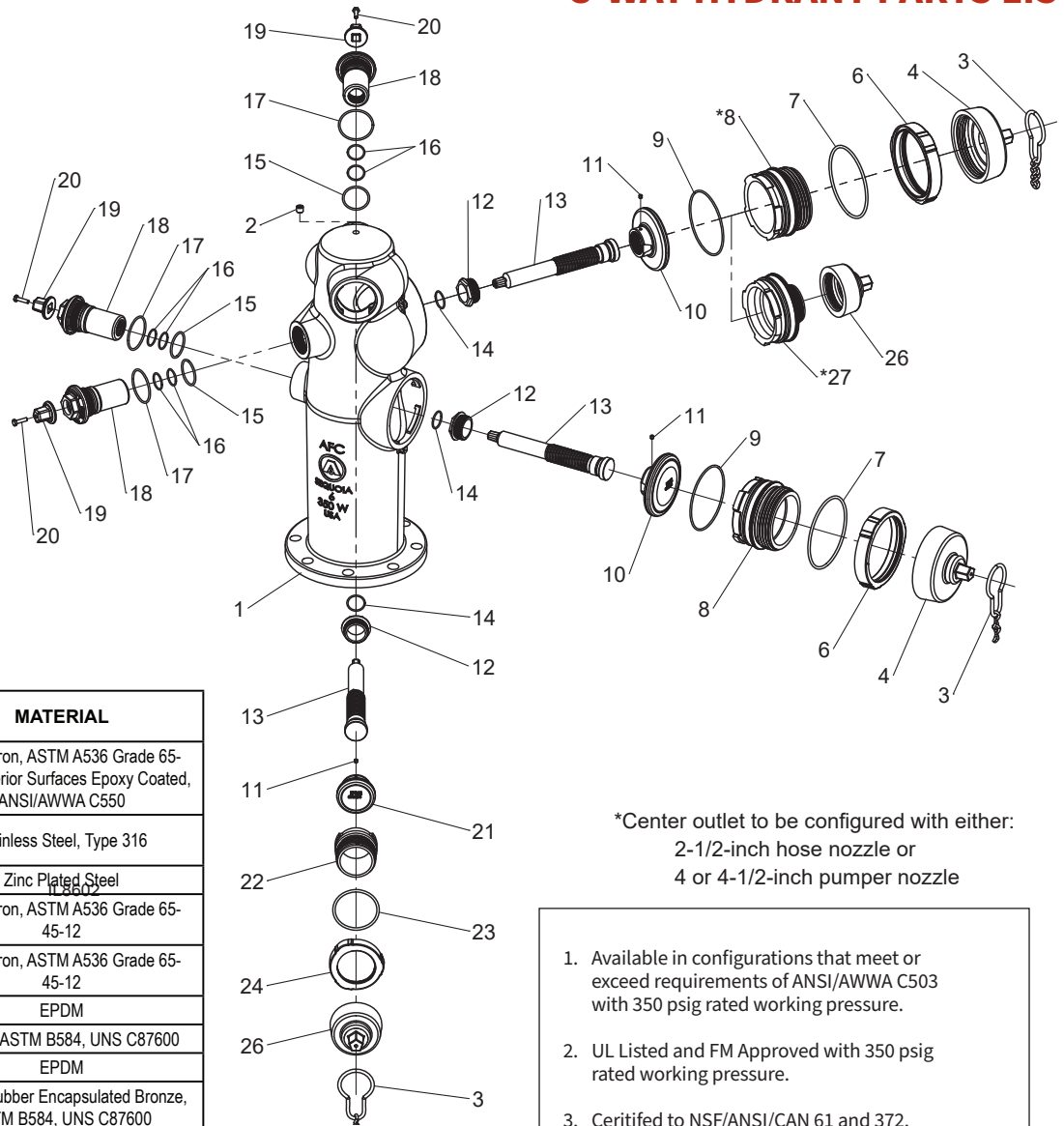


IL8601

REF NO.	DESCRIPTION	MATERIAL
1	Barrel	Ductile Iron, ASTM A536 Grade 65-45-12/Interior Surfaces Epoxy Coated, ANSI/AWWA C550
2	Headless Pipe Plug, 1/4 NPT	Stainless Steel, Type 316
3	Nozzle Cap Chain	Zinc Plated Steel
4	Nozzle Cap, Pumper	Ductile Iron, ASTM A536 Grade 65-45-12
6	Pumper Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
7	O-ring (Pumper Nozzle)	EPDM
8	Nozzle, Pumper	Bronze, ASTM B584, UNS C87600
9	O-ring (Pumper Nozzle)	EPDM
10	Pumper Valve Disc Rubber	EPDM Rubber Encapsulated Bronze, ASTM B584, UNS C87600
11	Hex Socket Set Screw, 1/4-20 x 1/4"	Stainless Steel, Type 316
12	Valve Disc Retaining Nut	Bronze, ASTM B584, UNS C87600
13	Valve Stem	Bronze, ASTM B584, UNS C87600
14	O-ring (Valve Disc Retaining Nut)	EPDM
15	O-ring (Stuffing Box)	EPDM
16	O-ring (Stuffing Box)	EPDM
17	O-ring (Stuffing Box)	EPDM
18	Stuffing Box	Bronze, ASTM B584, UNS C87600
19	Stem Nut	Ductile Iron, ASTM A536 Grade 65-45-12
20	Hex Head Bolt, 1/4-20 x 1"	Stainless Steel, Type 316
21	Hose Valve Disc Rubber	EPDM Rubber Encapsulated Bronze, ASTM B584, UNS C87600
22	Nozzle, Hose	Brass, ASTM B505, UNS C83600
23	O-ring (Hose Nozzle)	EPDM
24	Hose Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
26	Nozzle Cap, Hose	Ductile Iron, ASTM A536 Grade 65-45-12

1. Meets or exceeds the requirements of ANSI/AWWA C503 with 350 psig rated working pressure.
2. UL Listed and FM Approved with 350 psig rated working pressure.
3. Certified to NSF/ANSI/CAN 61 and 372.
4. Interior surfaces of barrel are fusion-bonded epoxy-coated in accordance with ANSI/AWWA C550.
5. Hose outlet threads are: 2.5-7.5 NH (2-1/2-inch National Standard).
6. Pumper outlet threads available: 4-4 NH (4-inch National Standard) or 4.5-4 NH (4-1/2-inch National Standard).
7. Counterclockwise opening direction (open-left).
8. Operating nuts and nozzle cap wrench nuts are available in #2 (1-1/8-inch pentagon) and #5 (1-1/2-inch pentagon).
9. Flange machining options: (1) ANSI eight-bolt (shown), (2) AWWA C503 six-bolt, or (3) San Diego six-bolt.

3-WAY HYDRANT PARTS LIST



*Center outlet to be configured with either:
2-1/2-inch hose nozzle or
4 or 4-1/2-inch pumper nozzle

REF NO.	DESCRIPTION	MATERIAL
1	Barrel	Ductile Iron, ASTM A536 Grade 65-45-12/Interior Surfaces Epoxy Coated, ANSI/AWWA C550
2	Headless Pipe Plug, 1/4 NPT	Stainless Steel, Type 316
3	Nozzle Cap Chain	Zinc Plated Steel
4	Nozzle Cap, Pumper	Ductile Iron, ASTM A536 Grade 65-45-12
6	Pumper Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
7	O-ring (Pumper Nozzle)	EPDM
8	Nozzle, Pumper	Bronze, ASTM B584, UNS C87600
9	O-ring (Pumper Nozzle)	EPDM
10	Pumper Valve Disc Rubber	EPDM Rubber Encapsulated Bronze, ASTM B584, UNS C87600
11	Hex Socket Set Screw, 1/4-20 x 1/4"	Stainless Steel, Type 316
12	Valve Disc Retaining Nut	Bronze, ASTM B584, UNS C87600
13	Valve Stem	Bronze, ASTM B584, UNS C87600
14	O-ring (Valve Disc Retaining Nut)	EPDM
15	O-ring (Stuffing Box)	EPDM
16	O-ring (Stuffing Box)	EPDM
17	O-ring (Stuffing Box)	EPDM
18	Stuffing Box	Bronze, ASTM B584, UNS C87600
19	Stem Nut	Ductile Iron, ASTM A536 Grade 65-45-12
20	Hex Head Bolt, 1/4-20 x 1"	Stainless Steel, Type 316
21	Hose Valve Disc Rubber	EPDM Rubber Encapsulated Bronze, ASTM B584, UNS C87600
22	Nozzle, Hose	Brass, ASTM B505, UNS C83600
23	O-ring (Hose Nozzle)	EPDM
24	Hose Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
26	Nozzle Cap, Hose	Ductile Iron, ASTM A536 Grade 65-45-12

1. Available in configurations that meet or exceed requirements of ANSI/AWWA C503 with 350 psig rated working pressure.
2. UL Listed and FM Approved with 350 psig rated working pressure.
3. Certifited to NSF/ANSI/CAN 61 and 372.
4. Interior surfaces of barrel are fusion-bonded epoxy-coated in accordance with ANSI/AWWA C550.
5. Hose outlet threads are: 2.5-7.5 NH (2-1/2-inch National Standard).
6. Pumper outlet threads available: 4-4 NH (4-inch National Standard) or 4.5-4 NH (4-1/2-inch National Standard).
7. Counterclockwise opening direction (open-left).
8. Operating nuts and nozzle cap wrench nuts are available in #2 (1-1/8-inch pentagon) and #5 (1-1/2-inch pentagon).
9. Flange machining options: (1) ANSI eight-bolt (shown), (2) AWWA C503 six-bolt, or (3) San Diego six-bolt.

CONSTRUCTION

FUSION BONDED EPOXY COATING

Barrel interior is coated with fusion-bonded epoxy for superior corrosion resistance.

STAINLESS STEEL ACTIVATION ASSEMBLY

Easy-to-reset design and resistant to corrosion.

SUPERIOR FLOW PERFORMANCE

Innovative design offers head loss of .5 psi at 1000 gallons per minute.

DUAL INDICATOR HOLES

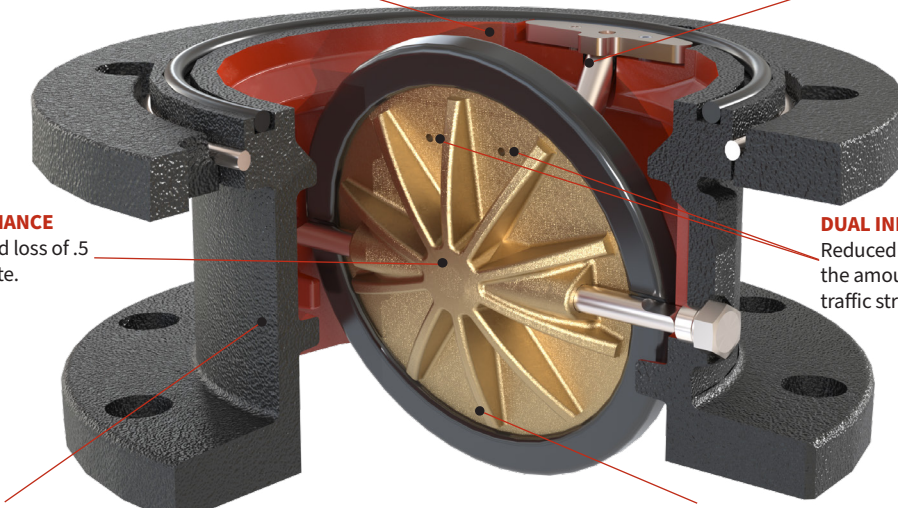
Reduced size indicator holes to reduce the amount of water loss in the event of a traffic strike.

DUCTILE IRON BODY

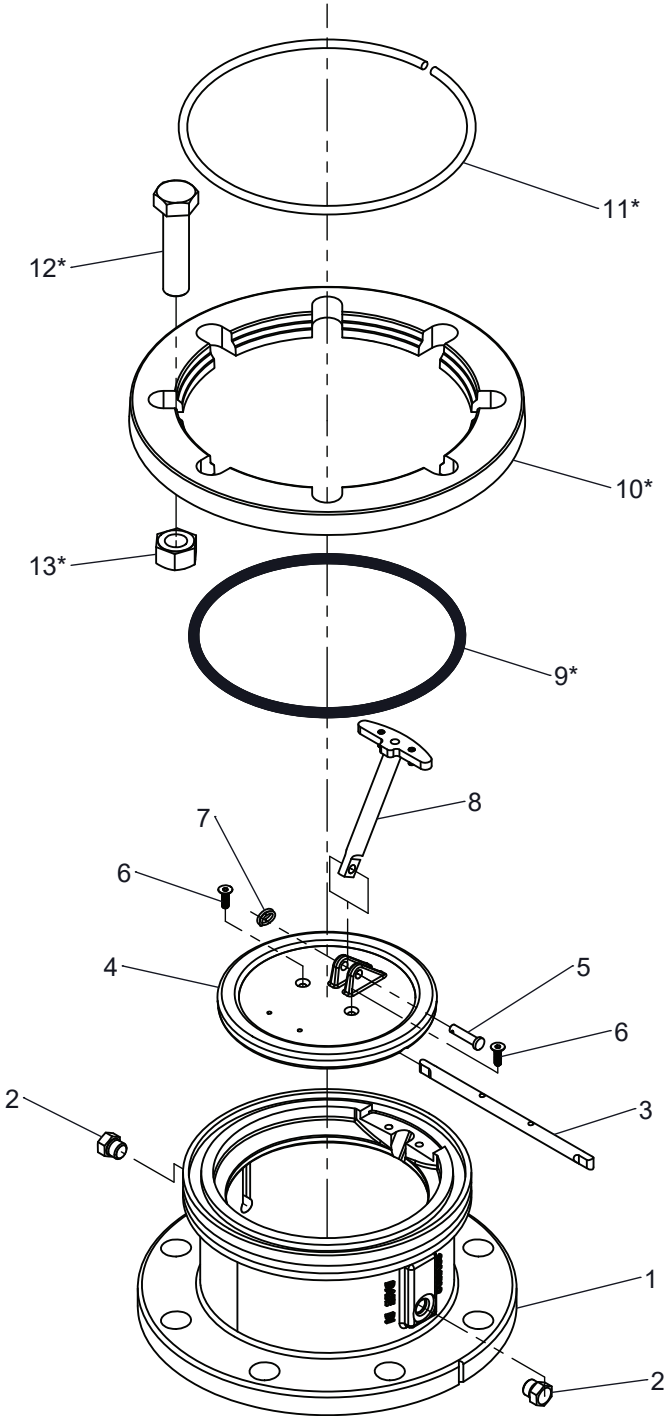
Ductile iron valve body for ultimate strength and durability.

EPDM ENCAPSULATED BRONZE DISC

Resistant to water treatment chemicals and provides tight seal against the interior surface without causing damage to the FBE coating



SEQUOIA CHECK VALVE PARTS LIST



IL8603

REF NO.	DESCRIPTION	MATERIAL
1	Body	Ductile Iron, ASTM A536 Grade 65-45-12/Interior Surfaces Epoxy Coated, ANSI/AWWA C550
2	Hex Head Plug	Stainless Steel, Type 316
3	Shaft	Stainless Steel, Type 316
4	Disc	EPDM Encapsulated Bronze, ASTM B584, UNS C87600
5	Clevis Pin, 1/4 x 1-1/8"	Stainless Steel, Type 316
6	Flat Head Hex Socket Screw, 10-32 x 5/8"	Stainless Steel, Type 316
7	Kickout Ring	Stainless Steel, Type 302
8	Activation Assembly	Stainless Steel
9*	O-ring	EPDM
10*	Breakable Flange	Cast Iron, ASTM A48, Class 40B
11*	Flange Lock Ring	Stainless Steel, Type 430
12*	Hex Head Bolt	Stainless Steel, Type 316
13*	Hex Nut	Stainless Steel, Type 316

*Note: These parts are shipped loose and are assembled to the check valve at the time of installation.



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