

Non Rising Stem Valve

Model 1010 Resilient Seat Gate Valve (2"~48")

Non Rising Stem



Available: Flange x Flange M.I x M.I MJ x Flange

Description:

- 1. Conforms to AWWA C509/C515
- Fusion Bonded Epoxy Coated Interior and Exterior, AWWA C550. Epoxy Powder Certified to NSF-61.
- 3. 2" square nut or optional handwheel at customer's
- request. 4. Open right valves supplied with red operating nut.
- Temperature: 2°C (35°F) to 82°C (180°F) 5.
- Working Pressure: 3"~24" 250 psi 30"~48" 150 psi 6.
- Conforms with the U.S. Safe Drinking Water Act (Lead 7. Free)



Model 2010 (Size 2"~24")

(Flanged only) conforms to ANSI 250/300. 2"~12" (raised faces)

2"- 24

Model 1310 (Flanged only) conforms to AWWA C509/MSS-SP-70 -

- MJ X Tapping Flange 30"~54'
- Description:

Flange x Flange

Available:

MJ x MJ

MJ x Flange

- Conforms to AWWA C515-09, MSS-SP-70 1.
- 2. MJ dimensions conform to AWWA C153.
- 3. Flange dimensions conform to ANSI B16.1 Class 125/150
- 4. Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 Standard. NSF-61 Certified.
- 5. 2" Square Operating Nut provided. Color coded black (open right valves provided with RED operating nuts) or optional handwheel at Customer's request.
- UL/FM rated working pressure: 2"~12" 300 psi

- Temperature: -23°C (-10°F) to 110°C (230°F) 7
- 8 Conforms with the U.S. Safe Drinking Water Act (Lead Free)



Model 2010-PIV (Size 4"~24")

Model 2010FF-PIV-XH (Flanged only) conforms to ANSI 250/300. 2"~12" (raised faces)

MJ x MJ Flange x Flange

- MJ x Flange
- **Description:**

Available:

- Conforms to AWWA C515-09, MSs-SP-70 1.
- 2. MJ dimensions conform to AWWA C153.
- 3. Flange dimensions conform to ANSI B16.1 Class 125/150
- 4. Fusion Bond Epoxy Coated Interior and Exterior to AWWA C550 Standard. NSF-61 Certified.
- 5 2" Square Operating Nut provided. Color coded black. (open right valves provided with RED operating nuts).
- Compatible with all industry standard Vertical Indicator 6 Posts, NFPA 24.
- Working Pressure: 7.
- UL/FM rated working pressure: 4"~12" 300 psi UL/FM rated working pressure: 14"~16" - 250 psi UL rated working pressure: 18 - 250 psi UL rated working pressure: 20" & 24" - 200 psi FM rated working pressure: 18"~24" - 200 psi
- Temperature: -23°C (-10°F) to 110°C (230°F) Conforms with the U.S. Safe Drinking Water Act
- (Lead Free)

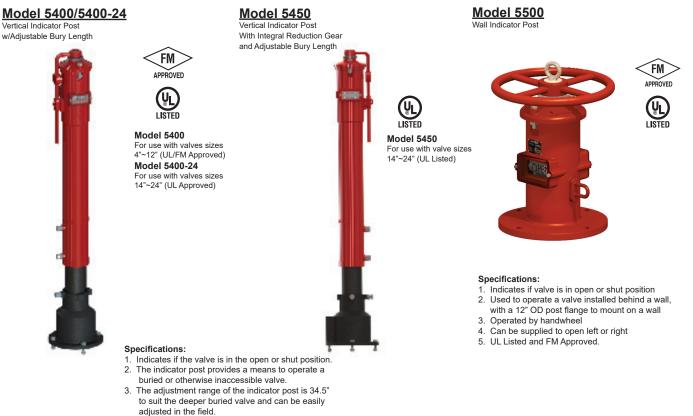
OS&Y Gate Valves



- 5. Flanged ends conform to ANSI B16.1 standard.
- 6. Grooved ends conform to AWWA C606 standard.

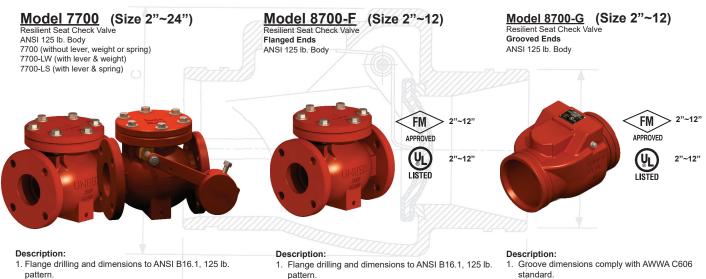
- - 6. Working Pressure:
 - UL/FM rated working pressure: 14"~16" 250 psi UL rated working pressure: 18" 250 psi
 - UL rated working pressure: 20" & 24" 200 psi FM rated working pressure: 18"~24" 200 psi

Indicator Posts



- 4. The wrench handle fits over a "U" bracket on the barrel, and may be fixed with a padlock to secure the operation wrench to the barrel.
- 5. Can be supplied to open left or right.

Check Valves



- 2. End to end dimensions (Laying Length) to AWWA C-508 Standard for Clear Waterway Swing Check Valves
- 3. Maximum working pressure: 200 psi.
- 4. Suitable for Water / Sludge / Sewage service
- 5. Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550. Powder Certified to NSF-61
- 6. Installed with standard flange accessories (AWWA C110).
- 7. Conforms with the U.S. Safe Drinking Water Act (Lead Free)
- pattern.
- 2. Face to face dimensions conform to AWWA C508, Full Waterway
- 3. Maximum Working Pressure: 300 psi
- 4. Fusion Bonded Epoxy Coated, Interior and Exterior, to AWWA C550.
- standard.
- 2 Maximum Working Pressure: 300 psi
- 3. Working Temperature: -10°C to 120°C for EPDM
- -10°C to 82°C for NBR
- 4 Fusion Bonded Epoxy Coated, Interior and Exterior to AWWA C550.

Check Valves (Cont.)

Model 2560 (Size 2"~16") Wafer Double Door Check Valve



Description:

- 1. Extremely short face to face dimensions and compact design allows for installation and service in tight spaces.
- 2. Spring assisted for better dynamic behavior.
- 3. Soft seated for perfect tightness even at low differential
- pressure.
- 4. Flanged ends conform to ANSI B16.1 Class 125
- 5. Working Pressure: 300 psi 6. Temperature: -10° to 120°C
- 7. Internally and externally spray painted or fusion bonded epoxy powder coated (FBE).
- 8. Stainless steel disc for excellent corrosion resistance.
- 9. Horizontal or vertical installation

Model 9600 (Size 2"~24")

Flanged Ends



Description:

- 1. The disc is precision molded with an integral O-ring type sealing surface, and contains alloy steel with nylon reinforcement in the flexible hinge area.
- 2. Manufactured with threaded port and a pipe plug on the bottom of the valve to allow for field installation of a back flow actuator.
- 3. Slamming and water hammer virtually non-existent due to it's short closing travel.
- 4. Full top-entry access for easy on-line inspection and maintenance. 5. Working Pressure:
- 250 psi/16 Bar
- Working Temperature: 6.
- -10°C to 82°C for NBR coated trim
- -10°C to 150°C for EPDM coated trim (optional)
- Flange drilling to: ANSI 125/150 or EN1092-2 PN10 or PN16.
- Internally and externally fusion bonded epoxy powder coated (FBE). 8.
- 9. Manufactured in accordance with AWWA C508, MSS-SP-71.

Butterfly Valves

Model 2400-G (Size 2"~12") Grooved Butterfly Valve Manually Gear Operated with Tamper Switch FM APPROVED (Ůľ LISTED 2"~12" (NSF. NSF61 NSF372

Model 2400-W (Size 2"~12") Wafer Butterfly Valve

Manually Gear Operated with Tamper Switch

2"- 16'



2. EPDM Encapsulated ductile iron disc for bubble-tight

8. Flange connection to ANSI B16.1 Class 125/ANSI B16.5

Model 2400-L (Size 2"~12") Lug Butterfly Valve

Manually Gear Operated with Tamper Switch



Description:

- 1. Design Standard: MSS-SP-67
- 2. EPDM Encapsulated ductile iron disc for bubble-tight shut off
- 3. Flag type position indicator
- 4. Low torque operation
- 5. High cycle life
- 6. Built-in supervisory switch
- 7. Top flange to ISO 5211/1 8. Groove Dimension in accordance with AWWA C606
- 9. Working Pressure: 2"~12": 300 psi
 10. Working Temperature: 33°F to 176°F (0°C to 80°C)
- 11. Fusion bonded epoxy powder coated to AWWA C550.
- 12. UL Listed / FM Approved for indoor or outdoor use.
 - 11. Fusion bonded epoxy powder coated to AWWA C550.

1. Design Standard: MSS-SP-67 / API-609

3. Flag type position indicator

6. Built-in supervisory switch

7. Top flange to ISO 5211/1

4. Low torque operation

Description:

shut off

5. High cycle life

Class 150

10. Working Temperature: 33°F to 176°F (0°C to 80°C) 12. UL Listed / FM Approved for indoor or outdoor use.

9. Working Pressure: 2"~8": 300 psi, 10" & 12": 250 psi

Description:

- Design Standard: MSS-SP-67 & API 609
- 2. EPDM Encapsulated ductile iron disc for bubble-tight shut off
- 3 Flag type position indicator
- Low torque operation 4.
- 5. High cycle life
- 6. Built-in supervisory switch
- 7. Top flange to ISO 5211/1
- Flange connection to ANSI B16.1 Class 125/ANSI B16.5 8. Class 150
- Working Pressure: 2"~8": 300 psi, 10" & 12": 250 psi q
- 10. Working Temperature: 33°F to 176°F (0°C to 80°C)
- 11. Fusion bonded epoxy powder coated to AWWA C550.
- 12. UL Listed / FM Approved for indoor or outdoor use.

Resilient Disc Check Valve

Butterfly Valves (Cont.)

Model 2400-T (Size 1"~2")

Threaded Butterfly Valve Manually Gear Operated with Tamper Switch



Description:

1. Manufactured in accordance to UL 1091, UL38 & UL753 standards.

Lug Butterfly Valve with Manual Gear Operator

- 2. Threaded Ends: In Accordance with ASME B1.20.1
- 3. Fusion Bond Epoxy Coated
- 4. Working Temperature: 0°C ~ 80°C
- 5. Working Pressure: 175 psi/12 Bar/non-shock cold water
- 6. Fire Protection Valve Full Port Design

Lug Butterfly Valve with Leve

Model 3900 (Size 3"~24")

Butterfly Valve Manually Gear Operated Available: Flange x Flange MJ x MJ





with Lever



Description:

- 1. Standard: MSS SP-67
- 2. Connection Ends:
- Groove to AWWA C606
- 3. Top Flange Standard: ISO 5211 4. Fusion Bonded Epoxy Coated to AWWA C550
- 5. 10 position lever handle.
- 6. Working Temperature: 0°C~100°C (32°F~212°F) 7. Working Pressure: 300 psi
- 7. Working Temperature:

Description:

2.

3

4.

5.

6.

1. Design Standard: AWWA C504

Working Pressure: 250 psi

Top Flange complies with ISO 5211/1.

types are available.

EPDM: 14°F to 248°F (-10°C to 120°C) NBR: 14°F to 180°F (-10°C to 80°C)

Flange ends to ANSI B16.1 Class 125. Other flange

Mechanical Joint Ends to AWWA/ANSI C153/A21.53.00.

Operator: Manual Gear Operator w/wheel handle (shown)

Manual Gear Operator w/2" Square AWWA Nut

Model 3420-W-1 (Size 2"~12")



- 2. Connection Ends: Compatible with:
- ASME B16.1 Class 125 and ASME B16.5 Class 150 Flanges
- 3. Top Flange Standard: ISO 5211 allows mounting of a variety of actuators

Description: 2. Connection Ends: Compatible with:

- 1. Standard: MSS SP-67/API 609 ASME B16.1 Class 125 and
- ASME B16.5 Class 150 Flanges
- 3. Top Flange Standard: ISO 5211 allows mounting of a variety of actuators
- 4. Fusion Bonded Epoxy Coated to AWWA C550
- 5. 10 position lever handle or Handwheel with Manual Gear Operator.
- 6. Meets the performance requirements of AWWA C504
- 7. Working Temperature: 0°C~80°C (32°F~176°F)
- 8. Working Pressure: 2"~8" 300 psi
- 10"~12" 250 psi

Strainers

Model 3800 (Size 2"~12") Straine



Description:

- 1. Flange drilling to ANSI B16.1 Class 125
- 2. Groove Ends to AWWA C606
- 3. Working Pressure: 300 psi
- 4.
- Working Temperature:
- 32°F to 176°F (0°C to 80°C) rubber gasket Fusion bonded epoxy coated Interior and Exterior (FBE) in accordance with ANSI AWWA C550. 5.

2"- 12"

Model FB7208 (Size 3"~12")







Available: Flange x Flange

Description:

- 1. Flange dimensions conform to ANSI B16.1 Class 125
- 2. Fusion Bonded Epoxy Coated Interior and Exterior,
- AWWA C550.
- 3. Working Pressure: 200 psi
- 4. Working Temperature: 14°F 248°F
- 5. The surface area of the screen openings are minimum ratio of 6 to 1 of the cross sectional area of the pipe waterway.
- Sizes 3"~6" Plug at the bottom of body Sizes 8"~12" Plug on the side of body

Wafer Butterfly Valve with Leve Model 3420-W-2 (Size 2"~12") Wafer Butterfly Valve with Manual Gear Operator

Model 3420-L-1 (Size 2"~12") Model 3420-L-2 (Size 2"~28")

Description:



- 1. Standard: MSS SP-67/API 609

6. Meets the performance requirements of AWWA C504



- 5. 10 position lever handle or Handwheel with Manual Gear Operator.
 - 7. Working Temperature: 0°C~80°C (32°F~176°F)
 - 8. Working Pressure: 2"~12" 300 psi

Adapters, Couplings, Reducers, Converters & Restraints

Models RFC-2 & RFC-4



Description:



1. Redi-Flange is made of high strength ductile iron,

3. Set screws are made of AISI 4140 Steel. Tensile

2. Drilling to ANSI B16.1 - 125 lb, ANSI B16.5 - 150 lb.

ASTM A536, Grade 65-45-12

Model - RFC-2 - 125 lb./150 lb.

2" - 8 ": 600 psi (UL rated 175 psi)

10" - 12": 525 psi (UL rated 175 psi) Model - RFC-4 - 125 lb./150 lb. 3" - 12": 750 psi (UL rated 175 psi) 14" - 24": 450 psi

160,000 psi minimum

30" - 36": 300 psi 42" - 48": 150 psi

4. Hydrostatic Test Pressure:

Model 7390 PosiGrip Adapter



Description:

- 1. For use with PVC Pipe (AWWA C900) and HDPE Pipe (AWWA C906) same as AWWA DI pipe O.D.'s.
- 2. Material: High strength ductile iron, ASTM 536, Grade 65-45-12
- 3. Flange End: Drilled in accordance with ANSI B16.1 Class 125
- 4. Rated @ 250 psi WWP

Model 6500-D

Ultra Lok Gland



Description:

- High Strength ductile iron mechanical joint gland conforming to ANSI /AWWA C111/A21.11 1.
- Multiples of hardened ductile iron restraint wedges 2 Wedges have breakaway heads to ensure proper 3. torque values
- 4. For use on water and wastewater ductile pipelines to ANSI/AWWA C151/A21.51
- 5. Rated @ 350 psi with a 2 to 1 safety factor

Model 4428

Wide Range Adapter



Description:

- 1. Fusion Bond Epoxy Coated Interior and Exterior, AWWA C550.
- 2. NSF Approved Material
- 3. Gasket: EPDM
- 4. Working Pressure: 250 psi
- 5. Middle and End Ring made of high strength ductile iron, ASTM A536, Grade 65-45-12.
- 6. For sizes 2"~24" PVC Pipes

Model 4200 Wide Range Coupling



Description:

- 1. Fusion Bonded Epoxy Coated Interior and Exterior, AWWA C550.
- 2. NSF Approved Material
- Gasket: EPDM 3.
- 4. Working Pressure: 250 psi
- 5. Middle and End Ring made of high strength ductile iron, ASTM A536, Grade 65-45-12.
- 6. For sizes 2"~24" PVC Pipes

Model 6190 Uni-Fit Joint Restraints



Description:

- 1. Fast & Economical Restraint for PVC Pipe Bell & Spigot Joints.
- 2. Restraint Rings provide 360° full contact and support of pipe wall.
- 3. Restraint Rings connected by high strength, low alloy rods/nuts.
- 4. For use on NEW OR EXISTING PVC Pipe Bells.
- 5. Rated at full rated pressure of pipe, 2:1 safety factor.
- 6. For pipe sizes 4"~36".



Flanged Fittings - AWWA C110

Elbows Tees Crosses Wyes Reducers

Manufactured from high strength ductile iron, our flanged fitting series are available in 2"~48" sizes in a variety of elbows, tees, crosses, laterals, reducers, and blind flanges. All are manufactured in strict accordance with AWWA C110, ANSI A21.10.





- 1. Material: Ductile Iron, ASTM A536, Grade 65-45-12
- 2. Flange: Faced and drilled in accordance with ANSI B16.1 Class 125
- 3. Lining: The standard lining is cement mortar with bitumen overlay (NSF 61) in accordance with AWWA C104, ANSI A21.4. Other optional linings such as fusion bonded epoxy, glass etc., are also available.
- 4. Coating: The standard coating is a red color, zinc rich primer. Other optional coatings are also available.
- 5. Pressure Rating: 250 WWP

Flanged Fittings - ANSI B16.1 Class 125 and Class 250

Elbows Tees Crosses Wyes Reducers

Our flanged fitting series are available in 2"~24" sizes in a variety of elbows, tees, crosses, laterals, reducers, and blind flanges. All are manufactured in strict accordance with ANSI B16.1 Class 125 (2"~24") and Class 250 (3"~12").





- 1. Material: Ductile Cast Iron, ASTM A536, Grey Cast Iron, ASTM A-126
- 2. Flange: Faced and drilled in accordance with ANSI B16.1 Class 125 or Class 250.
- 3. Coating: Available with special inhibited primers, epoxy and galvanized coating.

Flange Accessories





Finishes:

- Zinc Plated
- Hot dipped galvanized
- Fluorocarbon

Packaged Bolt Packs (2"~48")

Materials:

- A307 A Carbon Steel
- A307 B Carbon Steel
- SS304 Stainless Steel
- SS316 Stainless Steel

Flange Gaskets (2"~48")



(Full Face & Ring) • Seal-Tite • Red Rubber

Non-Asbestos

Specialty Flanges

Series #840 - Flange Converter

Class 125/150 & Class 250/300 - This proprietary product allows the conversion of existing Class 250/300 flanged pumps, valves, etc. to a Class 125/150 flange system without the use of fabricated transition spools. Sizes range from 3"~12".



Series #740 (Type A) & 790 (Type B) -Compact Flange Reducer

These reducers will mate with Class 125/150 flanges, allowing a reduction of flange sizes in a relatively small space. For example, a 6" x 3" reduction is made with only 1-1/2" wide space and a 16" x 12" only requires 2-1/2". Sizes range from 2" x 1-1/2" to 16" x 14".



Series #GFA - Grooved x Flange Adapter

These adapters allow the connection between grooved end products and Class 125/150 Flange Ends products. Flanges are made of high strength ductile iron and are available in sizes 2" ~12". Order with optional Seal-Tite Flange Accessory Packs.



Mechanical Joint Fittings - AWWA C153

AWWA C153 (ANSI A21.53), Compact Body Ductile Fittings 3" - 48" for water and other liquids



Bends w Tees Crosses Wyes Reducers Caps Plugs

- 1. Material: Ductile Iron ASTM A536, Grade 65-45-12 or 70-50-5
- 2. Pressure Rating: 350 PSI Water Working Pressure (Class 350)
- 3. Testing: 100% Hydrostatic Tested
- 4. Laying Length: Short body design-straight section of body deleted to provide a more compact and less heavy fitting without reducing strength or flow characteristics.
- 5. Cement Lining: Interior to AWWA C104 (ANSI A21.4) with bituminous seal coat (NSF 61)
- 6. Coating: Bituminous in accordance with AWWA C104 (ANSI A21.4)

Mechanical Joint Accessories

- 1. Gaskets: SBR in accordance with AWWA C111 (ANSI A21.11)
- 2. T-Bolts: Ductile Iron or Kor-10 Alloy Steel in accordance with AWWA C111 (ANSI A21.11)



Materials:

- Fluorocarbon
- Stainless Steel
- Kor-10
- Anti-Rotation

MJ Gland Packs & Gasket Packs



MJ Gaskets & Glands



- Type:
- Standard
- Transition
- SDR 35
- HDPE

Fire Hydrants

Model F-08 & F-08-M (w/Monitor Flange)

FIREFLO C-503 Wet Barrel Fire Hydrant





Description

- 1. Hydrant barrel is of high strength ductile iron, ASTM A536, Grade 65-45-12.
- Rated working pressure of 250 psi at 33° F to 126° F.
 6" Flanged inlet connection to AWWA C110/ANSI B16.1, Class 125 drilling pattern.
- 4. Stems are blow-out proof and constructed of optional heavy duty silicon bronze or stainless steel.
- 5. Each valve assembly is furnished with an extra large volume rubber seat for superior flow and sealing performance.
 6. Corrosion protection is accomplished by special epoxy coating, interior and exterior.
- 7. All nozzles are removable with a wide range of nozzle thread specifications.
- 8. Available with Monitor Attachment and Check Valve Assembly.
- 9. Three-way outlet

Model 8850 Dual Door Break Check Valve



Description:

- 1. For use with C503 Wet Barrel Fire Hydrant
- 2. Coated inside and outside
- 3. Working Pressure: 250 psi
- 4. Temperature: -10°C (14°F) to -80°C (-112°F)

Model F-08-301 Breakaway Traffic Flange



Description:

- 1. For use with C503 Wet Barrel Fire Hydrant
- 2. Coated inside and outside
- 3. Cast Iron Body

Fire Hydrants - Tools and Kits

Model F-06

FIREFLO C-502 Dry Barrel Fire Hydrant

APPROVED LISTED

Description:

- 1. 250 PSI Operating Pressure
- 2. 500 PSI Test Pressure
- 3. 5 1/4" Design provides Maximum Efficient Flow
- 4. Forced Lubrication System eases Lifetime Operation
- 5. Hose and Pumper Nozzles are threaded and field replaceable
- 6. Convenient to use Traffic Replacement Kit available
- 7. All buried bolts are 304 stainless steel.
- 8. Fusion bonded epoxy coated seat, sealing "O"-ring surfaces Elbow and Drain Ring Housing are Fusion Bonded Epoxy 9
- Coated for Superior Corrosion Protection per AWWA C550.

10. TEN YEAR LIMITED WARRANTY

	I	Model F-06 Too	ls
UNITED PART NO.	MUELLER PART NO.	DESCRIPTION	
F-06-311	A-311	Operating Wrench	
F-06-317	A-317	Nozzle Lock Tool	
F-06-359	A-359	Seat Removal Wrench	**//
F-06-367	A-367	Brass Sleeve	
F-06-316	A-316	2-1/2" Nozzle Wrench	
F-06-316	A-316	4-1/2" Nozzle Wrench	2

SAFETY FLANGE REPAIR KIT

Model F-06 Kits

5-1/4" HYDRANT EXTENSION KITS UNITED MUFILER UNITED MUELLER DESCRIPTION PART NO. DESCRIPTION PART NO PART NO PART NO F-06-320-006 A-320-006 6" Long "Extension Kit F-06-320-010 A-320-010 12" Long "Extension Kit F-06-320-016 A-320-016 18" Long "Extension Kit 5-1/4" Hydrant - Safety F-06-320-020 F-06-301 A-320-020 24" Long "Extension Kit A-301 Flange Repair Kit F-06-320-026 A-320-026 30" Long "Extension Kit F-06-320-030 A-320-030 36" Long "Extension Kit F-06-320-036 A-320-036 42" Long "Extension Kit F-06-320-040 A-320-040 48" Long "Extension Kit Consists of Part No's. F-06-25, F-06-26, F-06-27, F-06-28, F-06-29 & F-06-30 Consists of Part No's. F-06-29, F-06-30, F-06-52, F-06-54, F-06-55, F-06-57 & F-06-53 **BONNET REPAIR KIT** SHOE REPAIR KIT UNITED UNITED MUELLER MUELLER DESCRIPTION DESCRIPTION PART NO PART NO. PART NO PART NO. 0 F-06-280-355 5-1/4" Hydrant Bonnet F-06-280-357 280357 5-1/4" Hydrant Shoe 280355 Repair Kit C (1996 or earlier) Repair Kit Consists of Part No's. F-06-34, F-08-35, F-06-37, F-06-38, F-06-39, F-06-44, F-06-45, F-06-46, Consists of Part No's. F-06-3, F-06-5, F-06-6, F-06-10, F-06-12, F-06-51 & Weather Seal



