

AMERICAN AVK HIGH PRESSURE, 250 PSI, MODERN, DRY BARREL HYDRANT 27M/PHH/XMON/NG WITH MONITOR ELBOW - 3MON, 3", 4MON, 4", 5.25" MAIN VALVE MONITOR

Meets or exceeds AWWA C502 (latest) - Working Pressure - 250 PSI

Inlet Bases: Flanged in accordance with ANSI B16.1 Class 125,

Mechanical and Push-On Joint in accordance with ANSI/AWWA C111/A21.11

Use:

For water and neutral liquids to maximum 160°F.

Tests:

Hydraulic test to AWWA C502:

Seat Test: 500 PSI

Approvals:
UL/ULC Listed,
FM Approved
Certified to:
NSF/ANSI 61
NSF/ANSI 372



Components:

Nozzle Section, Bonnet, Barrels, Standpipe Flanges,
Breakable Flange, Main Valve Flange, Base, Monitor Elbow

Caps, Weathershield

Nozzles, Valve Seat Ring, Drain Ring
Operating Nut, Thrust Nut

Brass Fittings, Brass Plugs

Main Valve

Stem Rod Couplings, Lock Rings, Nozzle Retaining
Screw, Lock Plate, Lock Plate Screw, Stop Pins,
Coupler Pins, Main Valve Retaining Pin, Spring Pins,

Coating

Stop Nut, Chain Set, Hardware

Barrel Gasket, Cap Gasket, O-rings

Lubrication Hole Seal

Anti-Friction Washer

Base Elbow / Inlet Configuration

☐ 6" MJ

☐ 4" MJ

☐ 8" MJ*

☐ 6" Flanged

☐ 4" Flanged

☐ Straight Flanged 6"

☐ 6" Push-on

☐ 4" PE*

☐ 6" PE*

*Not UL/ULC Listed or FM Approved

Standard:

Ductile Iron ASTM A536

Cast Iron ASTM A126 Class "B"

Bronze

Brass

Ductile iron core, fully encapsulated with EPDM rubber.

Stainless Steel

Above ground - Fusion bonded epoxy inside and out. Below
ground - Bitumen/Fusion bonded epoxy. Epoxy meets or
exceeds AWWA C550 (latest)

Zinc Plated Steel

NBR - (Barrel Gasket with 304 stainless insert)

Oil Resistant Rubber

Polyamide

Optional Materials:

Hardware

Upper Stem Rod

Lower Stem Rod

☐ Zinc Plated

☐ 304 Stainless

☐ 304 Stainless

☐ 304 Stainless

☐ Epoxy Coated Steel

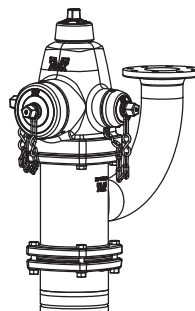
☐ Epoxy Coated Steel

☐ 316 Stainless

Opening Direction

☐ Open Left

☐ Open Right



Series 27M/PHH/XMON/NG with Monitor Elbow
1 Pumper, 2 Hose Outlet



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WITH MONITOR ELBOW - 3MON, 3", 4MON, 4", 5.25" MAIN VALVE

27M/PHH/XMON/NG
MONITOR

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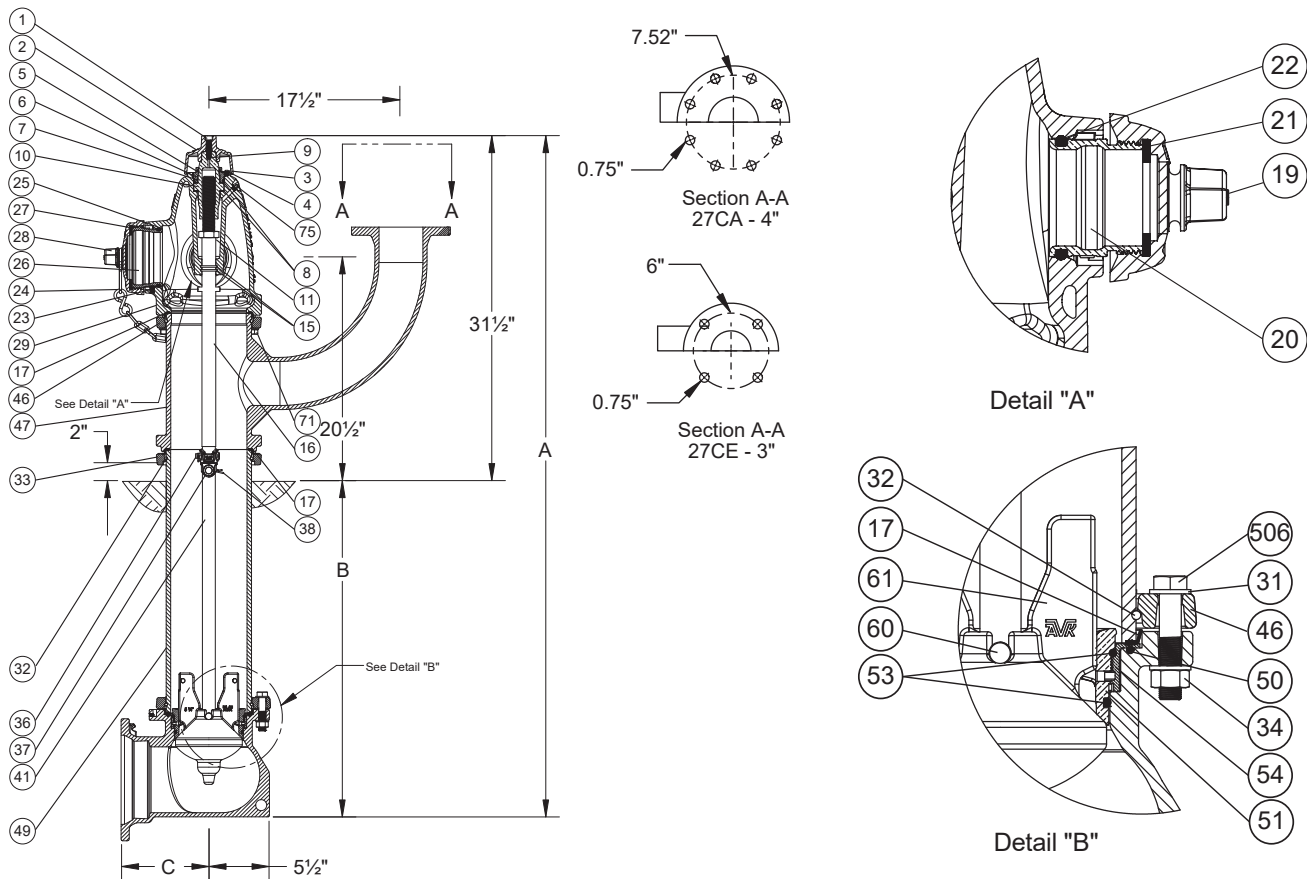
Component List:

1. Weathershield Bolt
 2. Weathershield
 3. Lock Plate Screw
 4. Lock Plate
 5. Inner Thrust Nut O-ring
 6. Thrust Nut
 7. Outer Thrust Nut O-ring
 8. Anti-Friction Washer
 9. Lubrication Hole Seal
 10. Operating Nut
 11. Stop Nut
 15. Stem Seal O-rings
 16. Upper Stem Rod
 17. Barrel Gasket
 19. Hose Nozzle Cap -Detail A
 20. Hose Nozzle -Detail A

21. Hose Nozzle Cap Gasket -Detail A
 22. Hose Nozzle O-ring - Detail A
 23. Nozzle Retaining Screw
 24. Chain Set
 25. Pumper Nozzle O-ring
 26. Pumper Nozzle
 27. Pumper Nozzle Gasket
 28. Pumper Nozzle Cap
 29. Nozzle Section
 30. Nozzle Section Bolt
 31. Nozzle Section Washer
 32. Lock Ring
 33. Breakable Flange
 34. Nozzle Section Nut
 35. Upper Barrel
 36. Coupler Pin

37. Breakable Stem Rod
 Coupling
 38. Spring Pin
 41. Lower Stem Rod
 44. Extension Bolt -Detail B
 46. Standpipe Flange -Detail B
 49. Lower Barrel
 50. Lower Barrel O-ring Detail B
 51. Valve Seat Ring -Detail B
 53. Valve Seat O-ring -Detail B
 54. Drain Ring -Detail B
 55. Brass Plug -Not shown
 56. Brass Fitting -Not shown
 60. Main Valve Retaining Pin
 -Detail B

61. Main Valve Disc -Detail B
 67. Base
 71. Modern Nozzle Section Bolt
 75. Zerk Fitting
 506. Hydrant Base Bolt -Detail B



Ref No.*	Base Sizes	Outlets	A	B**	C Flanged	C MJ	C Push-on	C PE
27M-PHH-4-XMON	- 4"	2x2½", 1x4"/4½"	49.50" - 247.50"	18" - 216"	8.00"	8.00"	N/A	23.70"
27M-PHH-6-XMON	- 6"	2x2½", 1x4"/4½"	49.50" - 247.50"	18" - 216"	8.00"	8.00"	9.00"	22.80"
27M-PHH-8-XMON	- 8"	2x2½", 1x4"/4½"	49.50" - 247.50"	18" - 216"	N/A	9.38"	N/A	N/A

* XMON, X = 3, for 3" monitor flange, 4, for 4" monitor flange

** Buries greater than 216" available upon request.

