

**AMERICAN AVK HIGH PRESSURE, 250 PSI, MODERN,
DRY BARREL HYDRANT, 5.25" MAIN VALVE, WITH EXTENDED UPPER BARREL**

**27M/PHH/EXT
EXTENDED**

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, Upper Barrel, 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

☐ 6" Straight Flanged

☐ 6" Push-on

☐ 4" PE*

☐ 6" PE*

☐ 6" Hymax Grip® *

*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 - Above Ground
Hardware - Below Ground

☐ Zinc Plated (Standard)

☐ 304 Stainless (Standard)

☐ 304 Stainless

☐ Zinc Plated

☐ 316 Stainless

☐ 316 Stainless

Upper Stem Rod
Lower Stem Rod

☐ 304 Stainless (Standard)

☐ Mild Steel (Standard)

☐ Mild Steel

☐ 304 Stainless

☐ Bronze

☐ Bronze

Caps, Weathershield

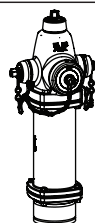
☐ Cast Iron (Standard)

☐ Ductile Iron

Opening Direction

☐ Open Left

☐ Open Right



Series 27M/PHH/EXT Extended Upper Barrel
1 Pumper, 2 Hose Outlet

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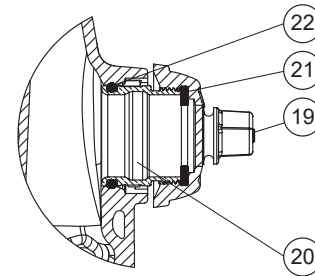
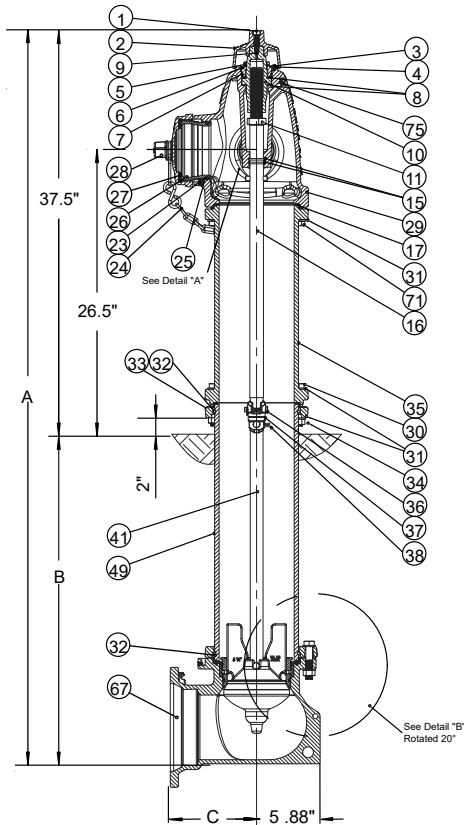
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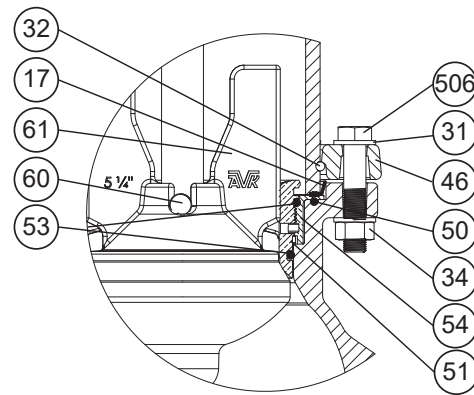
Mechanical and Push-On Joint in accordance with ANSI/AWWA C111/A21.11

Component List:

- | | | | |
|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 1. Weathershield Bolt | 21. Hose Nozzle Cap Gasket -Detail A | 37. Breakable Stem Rod | 61. Main Valve Disc -Detail B |
| 2. Weathershield | 22. Hose Nozzle O-ring - Detail A | 38. Spring Pin | 67. Base |
| 3. Lock Plate Screw | 23. Nozzle Retaining Screw | 41. Lower Stem Rod | 69. Thrust Bearing |
| 4. Lock Plate | 24. Chain Set | 46. Standpipe Flange -Detail B | 71. Modern Nozzle Section |
| 5. Inner Thrust Nut O-ring | 25. Pumper Nozzle O-ring | 49. Lower Barrel | 75. Zerk Fitting |
| 6. Thrust Nut | 26. Pumper Nozzle | 50. Lower Barrel O-ring Detail B | 506. Hydrant Base Bolt -Detail B |
| 7. Outer Thrust Nut O-ring | 27. Pumper Nozzle Gasket | 51. Valve Seat Ring -Detail B | |
| 8. Anti-Friction Washer | 28. Pumper Nozzle Cap | 53. Valve Seat O-ring -Detail B | |
| 9. Lubrication Hole Seal | 29. Nozzle Section | 54. Drain Ring -Detail B | |
| 10. Operating Nut | 30. Nozzle Section Bolt | 55. Brass Plug -Not shown | |
| 11. Stop Nut | 31. Nozzle Section Washer | 56. Brass Fitting -Not shown | |
| 15. Stem Seal O-rings | 32. Lock Ring | 60. Main Valve Retaining Pin | |
| 16. Upper Stem Rod | 33. Breakable Flange | | |
| 17. Barrel Gasket | 34. Nozzle Section Nut | | |
| 19. Hose Nozzle Cap -Detail A | 35. Upper Barrel | | |
| 20. Hose Nozzle -Detail A | 36. Coupler Pin | | |



Detail "A"



Detail "B"

Ref No.	Base Sizes	Outlets	A	B*	C Flanged	C MJ	C Push-on	C PE	C HYMAX GRIP®
27M-PHH-4-EXT	- 4"	2x2½", 1x4"/4½"	49" - 247"	18" - 216"	8.00"	8.00"	N/A	23.70"	N/A
27M-PHH-6-EXT	- 6"	2x2½", 1x4"/4½"	49" - 247"	18" - 216"	8.00"	8.00"	9.00"	22.80"	11.60"
27M-PHH-8-EXT	- 8"	2x2½", 1x4"/4½"	49" - 247"	18" - 216"	N/A	9.38"	N/A	N/A	N/A

* Buries greater than 216" available upon request.

