

AMERICAN AVK HIGH PRESSURE, 250 PSI, MODERN, DRY BARREL HYDRANT, 5.25" MAIN VALVE, ALPINE MODEL

27M/PHH/ALP
ALPINE

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



Certified to
NSF/ANSI 61

Certified to
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

☐ Zinc Plated (Standard)

☐ 304 Stainless

☐ 316 Stainless

Hardware - Below Ground

☐ 304 Stainless (Standard)

☐ Zinc Plated

☐ 316 Stainless

Upper Stem Rod

☐ 304 Stainless (Standard)

☐ Mild Steel

☐ Bronze

Lower Stem Rod

☐ Mild Steel (Standard)

☐ 304 Stainless

☐ Bronze

Caps, Weathershield

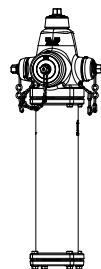
☐ Cast Iron (Standard)

☐ Ductile Iron

Opening Direction

☐ Open Left

☐ Open Right



Series 27M/PHH/ALP
1 Pumper, 2 Hose Outlet



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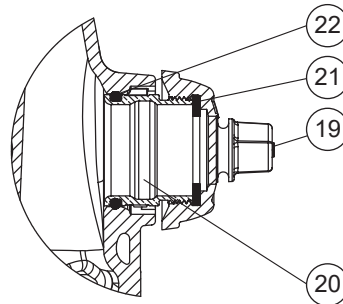
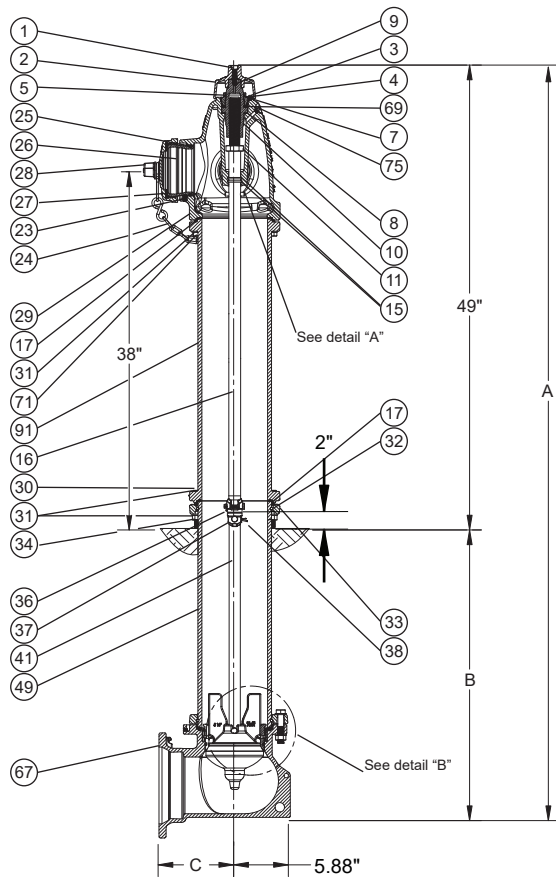
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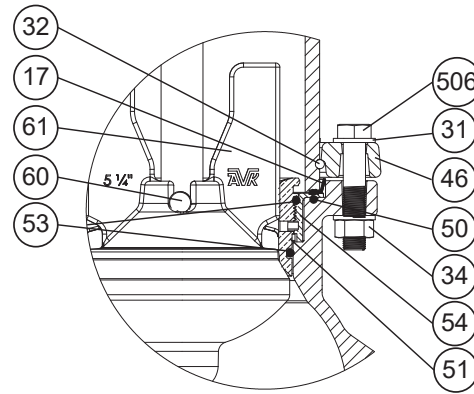
Mechanical and Push-On Joint in accordance with ANSI/AWWA C111/A21.11

Component List:

- | | | | |
|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 1. Weathershield Bolt | 20. Hose Nozzle -Detail A | 36. Coupler Pin | 60. Main Valve Retaining Pin |
| 2. Weathershield | 21. Hose Nozzle Cap Gasket -Detail A | 37. Breakable Stem Rod | -Detail B |
| 3. Lock Plate Screw | 22. Hose Nozzle O-ring - Detail A | Coupling | 61. Main Valve Disc -Detail B |
| 4. Lock Plate | 23. Nozzle Retaining Screw | 38. Spring Pin | 67. Base |
| 5. Inner Thrust Nut O-ring | 24. Chain Set | 41. Lower Stem Rod | 69. Thrust Bearing |
| 6. Thrust Nut | 25. Pumper Nozzle O-ring | 46. Standpipe Flange -Detail B | 71. Modern Nozzle Section |
| 7. Outer Thrust Nut O-ring | 26. Pumper Nozzle | 49. Lower Barrel | Bolt |
| 8. Anti-Friction Washer | 27. Pumper Nozzle Gasket | 50. Lower Barrel O-ring Detail B | 75. Zerk Fitting |
| 9. Lubrication Hole Seal | 28. Pumper Nozzle Cap | 51. Valve Seat Ring -Detail B | 91. Alpine Upper Barrel |
| 10. Operating Nut | 29. Nozzle Section | 53. Valve Seat O-ring -Detail B | 506. Hydrant Base Bolt -Detail B |
| 11. Stop Nut | 30. Nozzle Section Bolt | 54. Drain Ring -Detail B | |
| 15. Stem Seal O-rings | 31. Nozzle Section Washer | 55. Brass Plug -Not shown | |
| 16. Upper Stem Rod | 32. Lock Ring | 56. Brass Fitting -Not shown | |
| 17. Barrel Gasket | 33. Breakable Flange | | |
| 19. Hose Nozzle Cap -Detail A | 34. Nozzle Section Nut | | |



Detail "A"



Detail "B"

Ref No.	Base Size	Outlets	A	B*	C Flanged	C MJ	C Push-on	C PE	C HYMAX GRIP®
27M-PHH-4-ALP	- 4"	2x2½", 1x4"/4½"	67" - 265"	18" - 216"	8.00"	8.00"	N/A	23.70"	N/A
27M-PHH-6-ALP	- 6"	2x2½", 1x4"/4½"	67" - 265"	18" - 216"	8.00"	8.00"	9.00"	22.80"	11.60"
27M-PHH-8-ALP	- 8"	2x2½", 1x4"/4½"	67" - 265"	18" - 216"	N/A	9.38"	N/A	N/A	N/A

* Buries greater than 216" available upon request.

