# 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

| | |
|---|---|
| Components:<br>Nozzle Section, Upper Barrel, Barrels, Standpipe Flanges, Breakable Flange, Main Valve Flange, Base, Monitor Elbow | Standard:<br>Ductile Iron ASTM A536 |
| Caps,Weathershield | Cast Iron ASTM A126 Class “B” |
| Nozzles, Valve Seat Ring, Drain Ring<br>Operating Nut, Thrust Nut | Bronze |
| Brass Fittings, Brass Plugs | Brass |
| Main Valve | Ductile iron core, fully encapsulated with EPDM rubber. |
| Stem Rod Couplings,Lock Rings, Nozzle Retaining Screw, Lock Plate, Lock Plate Screw, Stop Pins, Coupler Pins, Main Valve Retaining Pin, Spring Pins, | Stainless Steel |
| Coating | Above ground-Fusion bonded epoxy inside and out. Below ground - Bitumen/Fusion bonded epoxy. Epoxy meets or exceeds AWWA C550 (latest) |
| Stop Nut, Chain Set, Hardware | Zinc Plated Steel |
| Barrel Gasket, Cap Gasket, O-rings | NBR - ( Barrel Gasket with 304 stainless insert ) |
| Lubrication Hole Seal | Oil Resistant Rubber |
| Anti-Friction Washer | Polyamide |

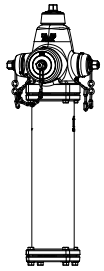
Base Elbow / Inlet Configuration

| | | | |
|---|---|---|---|
| ☐ 6" MJ | ☐ 6" Flanged | ☐ 6" Push-on | ☐ 6" Hymax Grip® * |
| ☐ 4" MJ* | ☐ 4" Flanged* | ☐ 4" PE* | |
| ☐ 8" MJ* | ☐ 6" Straight Flanged* | ☐ 6" PE* | |

*Not UL/ULC Listed or FM Approved

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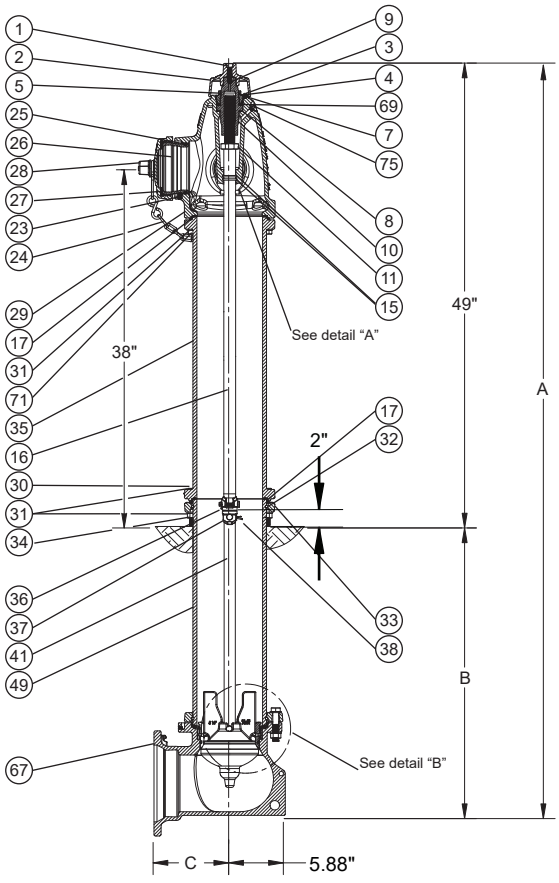
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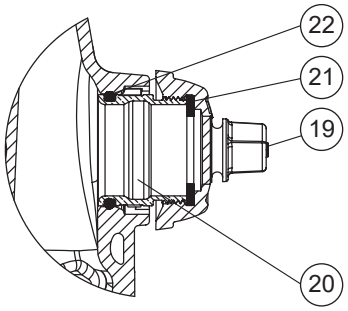
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Mechanical and Push-On Joint in accordance with ANSI/AWWA C111/A21.11

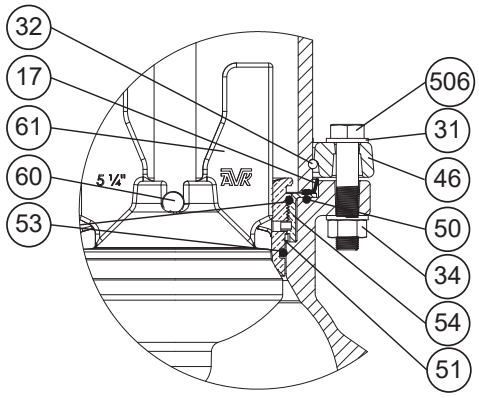
Component List:

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
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
69. Thrust Bearing
71. Modern Nozzle Section Bolt
75. Zerk Fitting
506. Hydrant Base Bolt -Detail B



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.