Engineering Specification

| Job Name | Contractor |
|--------------|-----------------------|
| Job Location | Approval |
| Engineer | Contractor's P.O. No. |
| Approval | Representative |

Tag

FD-620 Unfinished Area Isolation Drain Specification

Watts FD-620 epoxy coated cast iron isolation drain with epoxy coated cast iron upper and lower bodies, reversible membrane clamps with primary and secondary weepholes, 8"(203) diameter adjustable top with heel proof ductile iron grate, neoprene movement compensator coupling, and no hub (standard) outlet.

| Pipe Sizing Optional Body Material Suffix Description Suffix Description 2 2"(51) Pipe Size - -60 PVC Body (2, 3, 4" Only) 3 3"(76) Pipe Size - -61 ABS Body (2, 3, 4" Only) 4 4"(102) Pipe Size (NH Only) - - - - 6 6"(152) Pipe Size (NH Only) - | | | 0 | | , , | | |
|--|--|---------------------------------|-------------|--------|-------------------|------------------|---------|
| 2 2"(51) Pipe Size -60 PVC Body (2, 3, 4" Only) 3 3"(76) Pipe Size -61 ABS Body (2, 3, 4" Only) 4 4"(102) Pipe Size -61 ABS Body (2, 3, 4" Only) 6 6"(152) Pipe Size (NH Only) -61 ABS Body (2, 3, 4" Only) Outlet Type Suffix Description NH No Hub (MJ) - P Push On - T Threaded Outlet - X Inside Caulk - Suffix Description - -1 Nickel Bronze Top - -5 Sediment Bucket - -6 Vandal Proof - -7 Trap Primer Tapping - -78 Backwater Valve (2, 3, 4" Only) - -8 Backwater Valve (2, 3, 4" Only) - -13 Galvanized - -F4-10 4" Round Nickel Bronze Funnel - -F4-50 4" Round Nickel Bronze Funnel - -F6-1 6" Round Nickel Bronze Funnel - <th col<="" th=""><th></th><th>Pipe Sizing</th><th></th><th>(</th><th>Optional Body Ma</th><th>aterial</th></th> | <th></th> <th>Pipe Sizing</th> <th></th> <th>(</th> <th>Optional Body Ma</th> <th>aterial</th> | | Pipe Sizing | | (| Optional Body Ma | aterial |
| 3 3"(76) Pipe Size -61 ABS Body (2, 3, 4" Only) 4 4"(102) Pipe Size -61 ABS Body (2, 3, 4" Only) 6 6"(152) Pipe Size (NH Only) - Outlet Type Suffix Description NH No Hub (MJ) - 7 Threaded Outlet - X Inside Caulk - -1 Nickel Bronze Top - -5 Sediment Bucket - -6 Vandal Proof - -7 Trap Primer Tapping - -73 Galvanized - -13 Galvanized - -74-50 4" Round Nickel Bronze Funnel - -75-1 6" Round Nickel Bronze Funnel - -75-1 4x9" Oval Nickel Bronze Funnel - -75-1 4x9" Oval Nickel Bronze Funnel - -75-1 4x9" Oval Nickel Bronze Funnel - | Suffix | Description | | Suffix | Descriptio | on | |
| 4 4"(102) Pipe Size 6 6"(152) Pipe Size (NH Only) 6 6"(152) Pipe Size (NH Only) 0utlet Type Suffix Description NH No Hub (MJ) P Push On T Threaded Outlet X Inside Caulk 0 Description -1 Nickel Bronze Top -5 Sediment Bucket -6 Vandal Proof -7 Trap Primer Tapping -8 Backwater Valve (2, 3, 4" Only) -13 Galvanized -14 Secondary Strainer -15 Secondary Strainer -17 Secondary Strainer -18 -18 | 2 | 2"(51) Pipe Size | | -60 | PVC Body (2, 3, 4 | 4" Only) | |
| 6 6"(152) Pipe Size (NH Only) Outlet Type Suffix Description NH No Hub (MJ) Image: Component of the stress of the str | 3 | 3"(76) Pipe Size | | -61 | ABS Body (2, 3, 4 | 4" Only) | |
| Outlet Type Suffix Description NH No Hub (MJ) P Push On T Threaded Outlet X Inside Caulk Suffix Description -1 Nickel Bronze Top -5 Sediment Bucket -6 Vandal Proof -7 Trap Primer Tapping -8 Backwater Valve (2, 3, 4" Only) -13 Galvanized -14 Secondary Strainer -15 Secondary Strainer -17 Secondary Strainer -18 Free Area -13 Galvanized -13 Galvanized -14 "Round Nickel Bronze Funnel -F4-10 4" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Nickel Bronze Funnel -G-51 4x9" Oval Nickel Bronze Funnel | 4 | 4"(102) Pipe Size | | | | | |
| SuffixDescriptionNHNo Hub (MJ)PPush OnTThreaded OutletXInside CaulkSuffixDescription-1Nickel Bronze Top-5Sediment Bucket-6Vandal Proof-7Trap Primer Tapping-8Backwater Valve (2, 3, 4" Only)-13Galvanized-14Secondary Strainer-15Secondary Strainer-164" Round Nickel Bronze Funnel-17Secondary Strainer-18-F4-10-19-F4-10-10-F4-10-11 <td>6</td> <td>6"(152) Pipe Size (NH Only)</td> <td></td> <td></td> <td></td> <td></td> | 6 | 6"(152) Pipe Size (NH Only) | | | | | |
| NHNo Hub (MJ)PPush OnTThreaded OutletXInside CaulkSuffixDescription-1Nickel Bronze Top-5Sediment Bucket-6Vandal Proof-7Trap Primer Tapping-8Backwater Valve (2, 3, 4" Only)-13Galvanized-F4-104" Round Cast Iron Funnel-F4-114" Round Nickel Bronze Funnel-F6-16" Round Nickel Bronze Funnel-F6-16" Round Nickel Bronze Funnel-G-504x9" Oval Cast Iron Funnel-G-114x9" Oval Nickel Bronze Funnel | | Outlet Type | | | | | |
| P Push On T Threaded Outlet X Inside Caulk Suffix Description -1 Nickel Bronze Top -5 Sediment Bucket -6 Vandal Proof -7 Trap Primer Tapping -8 Backwater Valve (2, 3, 4" Only) -13 Galvanized -F4-10 4" Round Cast Iron Funnel -F4-11 4" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -F6-1 4x9" Oval Cast Iron Funnel -G-50 4x9" Oval Nickel Bronze Funnel | Suffix | Description | | | | | |
| T Threaded Outlet X Inside Caulk Suffix Description -1 Nickel Bronze Top -5 Sediment Bucket -6 Vandal Proof -7 Trap Primer Tapping -8 Backwater Valve (2, 3, 4" Only) -13 Galvanized -F4-50 4" Round Cast Iron Funnel -F6-1 6" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Nickel Bronze Funnel | NH | No Hub (MJ) | | | | | |
| X Inside Caulk X Inside Caulk Suffix Description -1 Nickel Bronze Top -5 Sediment Bucket -6 Vandal Proof -7 Trap Primer Tapping -8 Backwater Valve (2, 3, 4" Only) -13 Galvanized -21 Secondary Strainer -F4-50 4" Round Cast Iron Funnel -F4-1 4" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Nickel Bronze Funnel -G-1 4x9" Oval Nickel Bronze Funnel | Р | Push On | | | | | |
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| SuffixDescription-1Nickel Bronze Top-5Sediment Bucket-6Vandal Proof-7Trap Primer Tapping-8Backwater Valve (2, 3, 4" Only)-13Galvanized-21Secondary Strainer-F4-504" Round Cast Iron Funnel-F6-16" Round Nickel Bronze Funnel-F6-16" Round Nickel Bronze Funnel-G-504x9" Oval Cast Iron Funnel-G-14x9" Oval Nickel Bronze Funnel | Х | Inside Caulk | | | | | |
| -1Nickel Bronze TopImage: Constraint of the sector o | | Options | | | | | |
| -5 Sediment Bucket -6 Vandal Proof -7 Trap Primer Tapping -8 Backwater Valve (2, 3, 4" Only) -13 Galvanized -21 Secondary Strainer -F4-50 4" Round Cast Iron Funnel -F6-1 6" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Cast Iron Funnel | Suffix | Description | | | | | |
| -6 Vandal Proof Load Free Area -7 Trap Primer Tapping XHD 18 -8 Backwater Valve (2, 3, 4" Only) 18 -13 Galvanized 18 -21 Secondary Strainer 18 -F4-50 4" Round Cast Iron Funnel 18 -F4-1 4" Round Nickel Bronze Funnel 18 -F6-1 6" Round Nickel Bronze Funnel 18 -G-50 4x9" Oval Cast Iron Funnel 18 | -1 | Nickel Bronze Top | | | | | |
| -6 Vandal Proof Rating Sq. In. -7 Trap Primer Tapping XHD 18 -8 Backwater Valve (2, 3, 4" Only) 1 -13 Galvanized 1 -21 Secondary Strainer 1 -F4-50 4" Round Cast Iron Funnel 1 -F4-1 4" Round Nickel Bronze Funnel 1 -F6-1 6" Round Nickel Bronze Funnel 1 -G-50 4x9" Oval Cast Iron Funnel 1 -G-1 4x9" Oval Nickel Bronze Funnel 1 | -5 | Sediment Bucket | | | | | |
| -8 Backwater Valve (2, 3, 4" Only) -13 Galvanized -21 Secondary Strainer -F4-50 4" Round Cast Iron Funnel -F4-1 4" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Cast Iron Funnel -G-1 4x9" Oval Nickel Bronze Funnel | -6 | Vandal Proof | | | | | |
| -13 Galvanized -21 Secondary Strainer -F4-50 4" Round Cast Iron Funnel -F4-1 4" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Cast Iron Funnel -G-1 4x9" Oval Nickel Bronze Funnel | -7 | Trap Primer Tapping | | XHD | 18 | | |
| -21 Secondary Strainer -F4-50 4" Round Cast Iron Funnel -F4-1 4" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Cast Iron Funnel -G-1 4x9" Oval Nickel Bronze Funnel | -8 | Backwater Valve (2, 3, 4" Only) | | | | | |
| -F4-50 4" Round Cast Iron Funnel -F4-1 4" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Cast Iron Funnel -G-1 4x9" Oval Nickel Bronze Funnel | -13 | Galvanized | | | | | |
| -F4-1 4" Round Nickel Bronze Funnel -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Cast Iron Funnel -G-1 4x9" Oval Nickel Bronze Funnel | -21 | Secondary Strainer | | | | | |
| -F6-1 6" Round Nickel Bronze Funnel -G-50 4x9" Oval Cast Iron Funnel -G-1 4x9" Oval Nickel Bronze Funnel | -F4-50 | 4" Round Cast Iron Funnel | | | | | |
| -G-50 4x9" Oval Cast Iron Funnel □ -G-1 4x9" Oval Nickel Bronze Funnel □ | -F4-1 | 4" Round Nickel Bronze Funnel | | | | | |
| -G-1 4x9" Oval Nickel Bronze Funnel | -F6-1 | 6" Round Nickel Bronze Funnel | | | | | |
| | -G-50 | 4x9" Oval Cast Iron Funnel | | | | | |
| -SO Side Outlet | -G-1 | 4x9" Oval Nickel Bronze Funnel | | | | | |
| | -S0 | Side Outlet | | | | | |



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|------------|-----|------------|-----------------|-----------------------|----------------------|----------------------|--|--|
| Pip Siz | | No Hub | P Push On | T Female Thread | X Inside Caulk | 60/61 PVC/ ABS | | |
| 2"(5 | 2) | 3 5/8"(92) | 4 1/4"(108) | 4 1/4"(108) | 4 1/4"(108) | 3 3/4"(95) | | |
| 3"(7 | 6) | 3 5/8"(92) | 4 1/4"(108) | 4 1/4"(108) | 4 1/4"(108) | 3 5/8"(92) | | |
| 4"(10 | 12) | 3 5/8"(92) | 4 1/4"(108) | 4 1/4"(108) | 4 1/4"(108) | 3 7/8"(94) | | |
| 6"(15 | 62) | 3 1/2"(89) | | | | | | |

NOTICE

The load classifications are in accordance with the American National Standard ASME A112.21.1M ASME Ratings are as follows:

XHD Safe Live Load 7500-10000 lbs. (3375-4500 kg) The above categories are given as a guide only. Please consult factory.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



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