

<b>P</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <b>SMITH® JAY R. SMITH MFG. CO.®</b>  <small>MEMBER OF MORRIS GROUP INTERNATIONAL  POST OFFICE BOX 3237  MONTGOMERY, ALABAMA 36109-0237 (USA)  TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com</small> </div> <div style="text-align: center;">   <small>MEMBER OF:</small> </div> <div style="text-align: center;">   <small>MEMBER OF:</small> </div> <div style="text-align: center;">   <small>MEMBER OF:</small> </div> </div>				<b>LOCATION</b>  <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>																																																						
	<h1 style="margin: 0;">NON-FREEZE GROUND HYDRANT</h1>																																																										
<b>DRAWING NUMBER</b> <b>S5810</b>	<b>SIZE</b> <b>A</b>	<b>SCALE:</b> <b>NONE</b>	<b>DATE:</b> <b>12-8-88</b>	<b>APPROVED BY:</b>  	<b>3/4" (19) OR 1" (25) CONNECTIONS</b>																																																						
					<div style="display: flex;"> <div style="flex: 1;"> <p style="text-align: center;"><b>FRONT VIEW</b></p> </div> <div style="flex: 2;"> <p><b>FUNCTION:</b> A Hydrant with a hinged covered box, for positive protection against freezing when buried outside or in unheated areas and the closing valve is located below the frost line. When hydrant is shut off, water is drained from the casing through the drain hole in the valve housing. The locking cover prevents unauthorized use.</p> <p><b>NOTE:</b> Addition of vacuum breaker will not allow draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hydrant is supplied with a vacuum breaker.</p> </div> </div>																																																						
<b>FIGURE NUMBER</b> <b>5810,5811</b>	<b>WEIGHT</b> POUNDS	<b>VOLUME</b> CUBIC FEET	<b>FIGURE NUMBER</b>  <b>5810,5811</b>	<div style="display: flex;"> <div style="flex: 1;"> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1. Recommended Box-out 5 3/4 (145) x 5 3/4(145).</li> <li>2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.</li> <li>3. The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.</li> <li>4. Dimensions shown in parentheses are in millimeters.</li> <li>5. <b>FOR IRRIGATION PURPOSES ONLY.</b></li> </ol> <p>B(Depth of Bury) = 02(610), 03(915), 04(1220), 05(1525), 06(1830), 07(2135) or 08(2438) Feet  *B = 9 1/2"(240) When Specified 5810-SAP  *B = 9 1/2"(240) When Specified 5811-SAP</p> <p><b>REGULARLY FURNISHED:</b>  Bronze Non-Freeze Ground Hydrant with "T" Handle Key, and Bronze Hydrant Box. Inlet Size Furnished as Indicated by Figure Number Selected.</p> </div> <div style="flex: 2;"> <p><b>VARIATIONS:</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Fig. 5810. . . 3/4"(19) INLET  <input type="checkbox"/> Fig. 5811. . . 1"(25) INLET </div> <div style="width: 45%;"> <p><b>OPTIONAL MATERIALS:</b></p> <input type="checkbox"/> 1"(25) Hose Connection Adaptor -HC1  <input type="checkbox"/> Less Drain Hole -LD  <input type="checkbox"/> 1/8"(3) NPT Drain Hole in Box -N  <input type="checkbox"/> 1/8"(3) NPT Drain Hole in Valve Housing -NV  <input type="checkbox"/> Mild Climate -SAP  <input type="checkbox"/> "Water" Cast on Cover -W </div> </div> <p><b>Fig. 5810. . . 3/4"(19) INLET</b>  <b>Fig. 5811. . . 1"(25) INLET</b></p> <p><b>OPTIONAL MATERIALS:</b>  <input type="checkbox"/> Nickel Bronze Box -NB  <input type="checkbox"/> Polished Bronze Box -PB</p> </div> </div>																																																							
				<h2 style="text-align: center; margin: 0;">TECHNICAL DATA</h2> <p>Non-Freeze Ground Hydrants are supplied with a special valve housing which prevents freezing of hydrant during non-use periods. The valve housing must be installed below the frost line which prevails for the area of installation. The valve housing has a drain hole which drains the casing when the hydrant is shut off. In effect, there is no water in the casing during non-use periods. Since water from the drain hole is normally allowed to drain into the ground, the valve housing should be set in a bed of gravel. Water drained from the casing can then seep into the ground.</p> <p>Some locations which require Non-Freeze Ground Hydrants cannot tolerate water draining from the drain hole. Examples are parking garages, plazas and roof decks used for recreational purposes. Often in these types of applications the valve housing will protrude into a finished area which is not subject to freezing temperatures. To eliminate the problem of water drainage in this type of installation, Smith can supply a tapped drain hole in the hydrant box and a tapped drain hole in the valve housing. Through these tapped drain holes, water accumulation in the box and the water from the valve housing drain hole can be piped to a suitable drain.</p>																																																							
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