

## WATER PUMP, WATER DISTRIBUTION

<b>DESCRIPTION</b>	The Water Pump, Water Distribution is equipment that pumps potable water to a pressurized/elevated water system
<b>RESOURCE CATEGORY</b>	Public Works
<b>RESOURCE KIND</b>	Equipment
<b>OVERALL FUNCTION</b>	The Water Pump, Water Distribution is equipment that pumps water through the water distribution system to bypass disrupted areas
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. Requestor specifies desired/comparable pump manufacturer and model, as necessary</li> <li>2. Requestor specifies gallons per minute (GPM) capacity, net positive suction head (NPSH), and discharge head</li> <li>3. Requestor specifies any materials and equipment necessary to meet potable water deployment requirements</li> <li>4. Requestor specifies specialized pipe material needs, such as flexible pipe for connections across fault lines</li> <li>5. Requestor specifies any dimensional limitations</li> <li>6. Requestor specifies the size and suction of discharge connections</li> <li>7. Requestor specifies pump and parts disinfection certification, as necessary</li> <li>8. Can be ordered with staff using the National Incident Management System (NIMS) Utility Worker Specialist - Water Sector Infrastructure</li> </ol>

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	TYPE 4	NOTES
<b>EQUIPMENT DESCRIPTION</b>	Same as Type 2	Same as Type 3, PLUS: Weight: 10,500 lbs. (approximately)	Same as Type 4, PLUS: Weight: 5,000 lbs. (approximately)	<ol style="list-style-type: none"> <li>1. Dry-prime pump</li> <li>2. Self-contained diesel power with fuel supply</li> <li>3. Weight: 6,500 lbs. (approximately)</li> <li>4. Skid mounted</li> </ol>	Equipment weight varies between manufacturers. Requestor specifies any weight restrictions.
<b>EQUIPMENT PUMP CAPACITY (GALLONS PER MINUTE)</b>	6,000 to 8,000	4,000 to 6,000	2,000 to 4,000	500 to 2,000	Not Specified
<b>EQUIPMENT HEAD (FEET)</b>	145	160	168	150	Not Specified
<b>EQUIPMENT SUCTION DEPTH (FEET)</b>	Same as Type 2	Same as Type 3	Same as Type 4	10	Not Specified
<b>PERSONNEL ON-SITE SETUP TEAM</b>	Same as Type 2	Same as Type 3	Same as Type 4	2	Not Specified
<b>PERSONNEL TRAINED OPERATOR</b>	Same as Type 2	Same as Type 3	Same as Type 4	2	Not Specified



## NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

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## REFERENCES

1. FEMA, NIMS 508: Repair Team – Water Distribution System
2. FEMA, NIMS 509: Utility Worker Specialist – Water Sector Infrastructure
3. FEMA, National Incident Management System (NIMS), October 2017
4. FEMA, National Response Framework, June 2016