WATER PUMP, DRINKING WATER SUPPLY – UNTREATED SOURCE

DESCRIPTION	The Water Pump, Drinking Water Supply - Untreated Source is equipment that pumps untreated water to a water treatment plant
RESOURCE CATEGORY	Public Works
RESOURCE KIND	Equipment
OVERALL FUNCTION	The Water Pump, Drinking Water Supply - Untreated Source is equipment that servers as a temporary pump to supply the water treatment plant with source water for processing
COMPOSITION AND ORDERING SPECIFICATIONS	1. Requestor specifies desired/comparable pump manufacturer and model, as necessary 2. Requestor specifies gallons per minute (GPM) capacity, maximum solids handling capacity, necessary equipment head and equipment suction 3. Requestor specifies any additional materials or equipment necessary to meet deployment requirements 4. Requestor specifies the size and suction of discharge connections 5. Provider establishes whether pumps are trailer-mounted or skid-mounted 6. Can be ordered with staff using the National Incident Management System (NIMS) Utility Worker Specialist – Water Sector Infrastructure

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
EQUIPMENT DESCRIPTION	Same as Type 2, PLUS: Portable, skid-mounted or trailer-mounted (6,500 lbs.)	Same as Type 3, PLUS: Portable, skid-mounted or trailer-mounted (4,959 lbs.)	Same as Type 4, PLUS: Portable, skid-mounted or trailer-mounted (3,200 lbs.)	Same as Type 5, PLUS: 1. Solids handling to 3 inches 2. Portable, skid-mounted or trailer-mounted (1,734 lbs.)	Equipment weight varies between manufacturers. Requestor specifies any weight restrictions
EQUIPMENT PUMP CAPACITY (GALLONS PER MINUTE)	3,500 GPM	Same as Type 3	2,000 GPM	700 GPM	Not Specified
EQUIPMENT HEAD (FEET)	50 feet	Same as Type 3	35 feet	20 feet	Not Specified
EQUIPMENT SUCTION SIDE (INCHES)	10 inches	8 inches	6 inches	4 inches	Not Specified

COMPONENT	TYPE 5	NOTES
EQUIPMENT DESCRIPTION	1. Self priming 2. Solids handling to 2 inches 3. Self-contained diesel power supply 4. Automatic start/stop 5. Portable, skid-mounted or trailer-mounted (1,586 lbs.)	Equipment weight varies between manufacturers. Requestor specifies any weight restrictions
EQUIPMENT PUMP CAPACITY (GALLONS PER MINUTE)	300 GPM	Not Specified
EQUIPMENT HEAD (FEET)	40 feet	Not Specified
EQUIPMENT SUCTION SIDE (INCHES)	3 inches	Not Specified

NOTES

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

REFERENCES

1. FEMA, NIMS 509: Utility Worker Specialist – Water Sector Infrastructure
2. FEMA, NIMS, October 2017
3. FEMA, National Response Framework, October 2019