WATER PUMP, DEWATERING

DESCRIPTION	The Water Pump, Dewatering is equipment that lowers the water level of contained water sources or removes water from a limited area
RESOURCE CATEGORY	Public Works
RESOURCE KIND	Equipment
OVERALL FUNCTION	The Water Pump, Dewatering is equipment that removes water from trenches, drains, and other areas where water collects
COMPOSITION AND ORDERING SPECIFICATIONS	1. Requestor specifies pump manufacturer and model, as necessary 2. Requestor specifies gallons per minute (GPM) capacity, maximum solids handling capacity, equipment head and equipment suction 3. Requestor specifies suction hose length, strainer type and hole size 4. Requestor specifies discharge piping connection type: a. Cam lock flex hose b. Cam lock hard pipe c. Threaded mechanical connection and length 5. Requestor and provider establish 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: 1. Dry prime to 26 feet 2. Solids handling to 5 inches, unscreened materials	Same as Type 3, PLUS: Dry prime to 15 feet	Same as Type 4, PLUS: Solids handling to 3 inches, unscreened materials	1. Self priming 2. Dry prime to 26 feet 3. Solids handling to 2.5 inches, unscreened materials 4. Self-contained diesel power supply 5. Automatic start/stop 6. Portable	Not Specified
EQUIPMENT PUMP CAPACITY (GALLONS PER MINUTE)	4,200 GPM	3,000 GPM	1,650 GPM	700 GPM	Not Specified
EQUIPMENT HEAD (FEET)	75 feet	40 feet	Same as Type 4	65 feet	Not Specified
EQUIPMENT SUCTION SIDE (INCHES)	10 inches	8 inches	6 inches	4 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