General Features

The model DH151 or DR151 grinder pump station is a complete unit that includes: the grinder pump, check valve, polyethylene tank, controls, and alarm panel. A single DH151 or DR151 is a popular choice for up to two, average single-family homes and can also be used for up to six average single-family homes where codes allow and with consent of the factory.

- Rated for flows of 1500 gpd (5678 lpd)
- 150 gallons (568 liters) of capacity
- Indoor or outdoor installation
- Standard outdoor heights range from 63 inches to 160 inches

The DH151 is the “hardwired,” or “wired,” model where a cable connects the motor controls to the level controls through watertight penetrations.

The DR151 is the “radio frequency identification” (RFID), or “wireless,” model that uses wireless technology to communicate between the level controls and the motor controls.

Operational Information

Motor
1 hp, 1,725 rpm, high torque, capacitor start, thermally protected, 120/240V, 60 Hz, 1 phase

Inlet Connections
4-inch inlet grommet standard for DWV pipe. Other inlet configurations available from the factory.

Discharge Connections
Pump discharge terminates in 1.25-inch NPT female thread. Can easily be adapted to 1.25-inch PVC pipe or any other material required by local codes.

Discharge
15 gpm at 0 psig (0.95 lps at 0 m)
11 gpm at 40 psig (0.69 lps at 28 m)
7.8 gpm at 80 psig (0.49 lps at 56 m)

Accessories
E/One requires that the Uni-Lateral, E/One’s own stainless steel check valve, be installed between the grinder pump station and the street main for added protection against backflow.

Alarm panels are available with a variety of options, from basic monitoring to advanced notice of service requirements.

The Remote Sentry is ideal for installations where the alarm panel may be hidden from view.
OPTIONS: □ DH151 (HARD WIRED LEVEL CONTROLS) □ DR151 (WIRELESS LEVEL CONTROLS)

- GASKETED LID, HOPE
- STRAIN RELIEF CORD CONNECTOR
- E/ONE EQUALIZER
- DUAL WALL, CORRUGATED HDPE ACCESSWAY
- INTERNAL WELL VENT 2.0" DIAMETER
- INLET GROMMET TO ACCEPT 4.50" O.D. PVC PIPE (STANDARD).
- DUST COVER SUPPLIED FOR SHIPMENT (NOT SUITABLE FOR BURIAL)

- POWER/ALARM CABLE 6 CONDUCTOR W/GND
- ELECTRICAL QUICK DISCONNECT NEMA 6P (EQD)
- QUICK DISCONNECT ASSY. (304 S.S.)
- S.S. CAST BALL VALVE
- DISCHARGE 1 1/4" FPT
- 1 1/4" DISCHARGE LINE (304 S.S.)
- CHECK VALVE (NORYL)
- ANTI-SIPHON VALVE (NORYL)
- POLYETHYLENE TANK 1/2" NOMINAL WALL THICKNESS 150 GALLON CAPACITY

- SEMI-POSITIVE DISPLACEMENT TYPE PUMP DIRECTLY DRIVEN BY A 1 HP MOTOR

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

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elone SEWER SYSTEMS
MODEL DH151 / DR151
DETAIL SHEET

NA0051P02
NOTE: DIMENSIONS ARE FOR REFERENCE ONLY
OPTIONS:  [ ] DH151-63 (HARD WIRED LEVEL CONTROLS)
[ ] DR151-63 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION

13" COVER OVER DISCH

GRADE

GRADE

22" INVERT DEPTH

62.8"

43.9"

38.4"

INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

BALLAST CONTAINMENT RING

DISCHARGE: 1-1/4 FEMALE PIPE THREAD

Ø 38.8"

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

MODEL DH151-63 / DR151-63

NA0051P04
OPTIONS: □ DH151-74 (HARD WIRED LEVEL CONTROLS) □ DR151-74 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION

23" COVER OVER DISCH

31" INVERT DEPTH

43.9"

38.4"

72.2"

DISCHARGE: 1-1/4 FEMALE PIPE THREAD

Ø 38.8"

INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

MODEL DH151-74 / DR151-74

NA0051P05
OPTIONS:   

☐ DH151-93  (HARD WIRED LEVEL CONTROLS)  
☐ DR151-93  (WIRELESS LEVEL CONTROLS)  

GRADE MUST SLOPE AWAY FROM STATION  

41" COVER OVER DISCH  

50" INVERT DEPTH  

91.1"  

43.9"  

38.4"  

DISCHARGE: 1-1/4 FEMALE PIPE THREAD  

INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)  

BALLAST CONTAINMENT RING  

CONCRETE BALLAST MAY BE REQUIRED  
SEE INSTALLATION INSTRUCTIONS  
FOR DETAILS  

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY
OPTIONS: 

- [ ] DH151-129 (Hard wired level controls) 
- [ ] DR151-129 (Wireless level controls) 

GRADE MUST SLOPE AWAY FROM STATION

127.1"
78" COVER OVER DISCH
86" INVERT DEPTH
43.9"
38.4"

Ø 38.8"

3/8" STAINLESS STEEL HARDWARE -FIELD ASSEMBLE- (16 PLACES)
SIKA TAPE -FIELD LOCATE-

DETAIL, FIELD JOINT
SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS

DISCHARGE: 1-1/4 FEMALE PIPE THREAD
INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

MODEL DH151-129 / DR151-129

NA0051P07