General Features

The model DH071 or DR071 grinder pump station is a complete unit that includes: the grinder pump, check valve, HDPE (high density polyethylene) tank, controls, and alarm panel. A single DH071 or DR071 is a popular choice for one, average single-family home and can also be used for up to two average single-family homes where codes allow and with consent of the factory.

- Rated for flows of 700 gpd (2650 lpd)
- 70 gallons (265 liters) of capacity
- Indoor or outdoor installation
- Standard outdoor heights range from 61 inches to 160 inches

The DH071 is the “hardwired,” or “wired,” model where a cable connects the motor controls to the level controls through watertight penetrations.

The DR071 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.
CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTION
FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY
NOTE: DIMENSIONS ARE FOR REF ONLY
CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY
OPTIONS:  

- DH071-74 (HARD WIRED LEVEL CONTROLS)
- DR071-74 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION

GRADE

26" COVER OVER DISCH

34" INVERT DEPTH

73.0"

36.0"

41.6"

DISCHARGE: 1-1/4 FEMALE PIPE THREAD

Ø 29.5"

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

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

MODEL DH071-74 / DR071-74

NA0050P05
OPTIONS: [ ] DH071-93 (Hard Wired Level Controls)  
[ ] DR071-93 (Wireless Level Controls)

GRADE MUST SLOPE AWAY FROM STATION

GRADED

44° COVER OVER DISCH

53° INVERT DEPTH

91.8"

41.6°

36.0°

DIAGHCE: 1-1/4 FEMALE PIPE THREAD

Ø 29.5"

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

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY
OPTIONS:

- [ ] DH071-124 (Hard wired level controls)
- [ ] DR071-124 (Wireless level controls)

GRADE MUST SLOPE AWAY FROM STATION

7/8" COVER OVER DISCH

123.3"

84" INVERT DEPTH

41.6"

36.0"

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

DISCHARGE: 1-1/4 FEMALE PIPE THREAD

Ø 29.5"

INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)
OPTIONS: □ DH071-129 (HARD WIRED LEVEL CONTROLS) □ DR071-129 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION

127.9"

81" COVER OVER DISCH

89" INVERT DEPTH

3/8" STAINLESS STEEL HARDWARE (FIELD ASSEMBLED) (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

NOTE: DIMENSIONS ARE FOR REF ONLY

DISCHARGE: 1-1/4 FEMALE PIPE THREAD

Ø 29.5"

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

UL  

UPC  

NSF  

SF

MODEL DH071-129 / DR071-129

NA0050P08
OPTIONS:

- [ ] DH071-158 (HARD WIRED LEVEL CONTROLS)
- [ ] DR071-158 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

41.6"  36.0"

DISCHARGE 1-1/4 FEMALE PIPE THREAD

Ø 29.5"

INLET EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

AD  CAH  07/13/07  C  1/16
DR BY CHK'D  DATE  ISSUE  SCALE

eone
SEWER SYSTEMS
MODEL DH071-158 / DR071-158

NA0050P09
OPTIONS:
- DH071-160 (Hard Wired Level Controls)
- DR071-160 (Wireless Level Controls)

GRADE MUST SLOPE AWAY FROM STATION

3/8" STAINLESS STEEL HARDWARE - FIELD ASSEMBLY - (10 PLACES)
SIKA TAPE - FIELD LOCATE -

DETAIL: FIELD JOINT
SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

UL  UFC  NSF  CS

AD CAH 07/13/07 C 1/16
DR BY CHK'D DATE ISSUE SCALE

e•one SEWER SYSTEMS
MODEL DH071-160 / DR071-160
NA0050P10
NOTE: DIMENSIONS ARE FOR REF ONLY
NOTE: DIMENSIONS ARE FOR REF ONLY