

# MUELLER® H-704 HYDRAULIC POWER OPERATOR

## OPERATING INSTRUCTIONS

### 1. GENERAL INSTRUCTIONS

- 1.1 This publication addresses some of the safety issues when operating this machine. Neglecting to follow these recommendations may pose serious hazards or result in failure of equipment. The operator of this machine must have access to, have read, and fully understand this document and the recommendations and operating instructions for the H-704 Hydraulic Power Operator.

#### ! WARNING

The operator of this machine must adhere to the following instructions to reduce the possibility of misuse of the machine or accident. Failure to observe these instructions and the following warnings could result in serious bodily injury.

Always wear eye protection when operating this machine.

Do not use damaged, frayed, loose or deteriorated hydraulic hoses or fittings.

Always turn off the hydraulic supply and disconnect the hydraulic supply hose before installing, removing or adjusting any accessory on this machine, or before performing maintenance on this machine.

#### ! CAUTION

Do not modify this machine. Doing so could void the warranty and create a safety hazard.

### 2. APPLICATION

- 2.1 Provides hydraulic power to drive various Mueller® Drilling Machines. Refer to current Mueller product catalog for machine compatibility.

### 3. SPECIFICATIONS FOR H-704 HYDRAULIC POWER OPERATOR

- 3.1 Weight (Operator Only) – 51 lbs. (23.1 kg)  
3.2 Length – 28" (71 cm)  
3.3 Width – 13" (33 cm)  
3.4 Height – 8" (22 cm)  
3.5 Flow Range – 7 to 9 gpm (27-34 lpm)  
3.6 Motor Speed – 33 rpm at 8 gpm (30 lpm)  
3.7 Max. Pressure (continuous) – 2000 psig (138 bar)  
3.8 Max. Pressure (intermittent) – 2750 psig (190 bar)  
3.9 Operation – reversible  
3.10 The gear case (3/4 pint capacity) is filled with the proper lubricant at the factory and requires no periodic service. However, if leakage has occurred or the gear case requires repair, contact Mueller Customer Service at 1-800-423-1323 for return instructions.



### 4. WHEN OPERATING THIS MACHINE

#### ! CAUTION

Hydraulically driven power tools are not generally insulated against coming in contact with sources of electrical current. Take necessary precautions if sources of electrical current are nearby.

#### ! WARNING

Operate this machine below the maximum rated pressure specified.

(Continued)



MAIN OFFICE – Decatur, IL (217) 423-4471  
CANADA – Mueller Canada Inc., Barrie Ontario (705) 719-9965  
www.muellercompany.com

Printed in U.S.A. Form 12593-3/09-500-1

# MUELLER® H-704 HYDRAULIC POWER OPERATOR

## OPERATING INSTRUCTIONS

---

### 5. OPERATING INSTRUCTIONS

- 5.1 Be sure to read the Mueller Operating Instructions for the Mueller drilling machine that is being powered by the H-704 operator.
- 5.2 Install drilling machine on pipe according to the drilling machine's operating manual.
- 5.3 After the drill or pilot drill has been positioned at the pipe according to the machine instructions, attach the operator to the machine.

### 6. CHECK THE DRILLING MACHINE SET UP

- 6.1 Turn on the hydraulic unit and check the hydraulic pressure. Note maximum pressure permissible in the Specifications section of this instruction sheet (page 1).
- 6.2 Momentarily activate the on/off lever from the neutral position by pulling it toward the operator handle to assure the drill or shell cutter is turning in the correct direction. It should turn **clockwise** when observed from the operator end of the drilling machine.

#### **! CAUTION**

**Moving the lever away from the operator handle will reverse the turning direction and could damage the tools during standard drilling or cutting operations.**

- 6.3 Once the correct turning direction has been verified, activate the on/off lever by pulling it toward the operator handle and conduct the drilling operation according to the drilling machine operating manual.

### 7. DISCONNECTING HYDRAULIC POWER OPERATOR

- 7.1 **For drilling operations:** Once the drilling is completed, follow the machine operating instructions to clear the tools from the pipe, return the drilling machine to its rear most position, and remove the operator from the machine.
- 7.2 **For drilling and tapping operations:** Once the tapping operation is completed, follow the machine operating instructions for reversing the operator, clearing the tools from the pipe, returning the machine to its rear most position, and removing the operator from the machine.



MAIN OFFICE – Decatur, IL (217) 423-4471  
CANADA – Mueller Canada Inc., Barrie Ontario (705) 719-9965  
[www.muellercompany.com](http://www.muellercompany.com)

---