

# MUELLER® H-705 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-705 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**

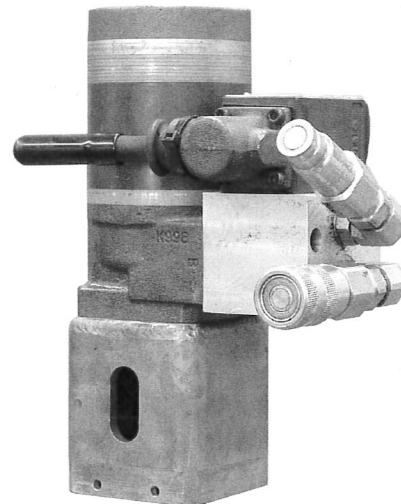
Do not modify this machine. Doing so could void the warranty and create a safety hazard.

### 2. APPLICATION

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

### 3. SPECIFICATIONS FOR H-705 AIR POWER OPERATOR

- 3.1 Weight (Operator Only) – 30 lbs. (13.6 kg)  
3.2 Length – 10.5" (27 cm)  
3.3 Width – 6" (16.5 cm)  
3.4 Height – 8" (22 cm)  
3.5 Flow Range – 3.5 gpm (11-19 lpm)  
3.6 Motor Speed – 51 rpm at 4 gpm (15 lpm)  
3.7 Max. Pressure (continuous) – 850 psig (59 bar)  
3.8 Max. Pressure (intermittent) – 1950 psig (134 bar)  
3.9 Operation – non-reversible



### 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)



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### 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-705 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. CONNECTING THE H-705 OPERATOR TO THE DRILLING MACHINE

- 6.1 Position the square coupler of the operator over the square end of the drilling machine boring bar and engage them slightly.
- 6.2 Turn the body of the operator until the end of operator can be lowered into the adapter plate on the end of the machine, aligning the latch pin holes in the operator with those on the adapter plate.
- 6.3 Push the operator fully into the adapter plate and insert the two spring loaded latch pins through the latch pin holes. The pins must pass completely through the adapter plate in order to lock the operator to the machine.
- 6.4 Connect the H-705 operator to the hydraulic system.

### 7. CHECK THE DRILLING MACHINE SET UP

- 7.1 Turn on the hydraulic unit and check the hydraulic pressure. Note maximum pressure permissible in the Specifications section of this instruction sheet (above).
- 7.2 Momentarily activate the on/off valve of the H-705 operator 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. (Running the operator in reverse while attempting to cut could damage the tool.)
- 7.3 Once correct turning direction has been verified, put the on/off valve of the H-705 operator in the on position and conduct the drilling operation according to the drilling machine operating manual.

### 8. DISCONNECTING HYDRAULIC POWER OPERATOR

- 8.1 After completing the drilling operation, retract the drill or shell cutter from the pipe in accordance with the drilling machine operating instruction manual.
- 8.2 When the tools have cleared the pipe, turn off the hydraulic operator by deactivating the on/off valve and remove the operator from the drilling machine.
- 8.3 Following the instructions in the drilling machine manual, continue retracting the drilling machine boring bar until it is at its rearmost position.



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