



KF45Qt
8000# Class Hammer
“T” Top Sound Dampening Box

SPECIFICATIONS:

Mounting Style	Box Enclosure with Top Cap
Weight	7507 lbs. (3405 Kg)
Length	129 in. (3280 mm)
AEM Impact Energy Rating	4023.7 ft./lbs. (5455.4 joules)
AEM Test Flow Rate	51.00 GPM (193.07 L/min)
AEM Test Frequency	298.20 BPM (4.97 Hz)
AEM Supply Line Pressure	2553.24 PSI (176.04 Bar)
Blows/Minute	300 ~ 500 (Variable)
Acceptable Oil Flow.	50 ~ 66 G.P.M.
Operating Pressure	2275 ~ 2560 P.S.I. (Regulated)
Working Steel Diameter	6.50 in.
Effective Length of Working Steel . .	31.5 in.
Recommended Carrier Size	35 ~ 48.5 Tons

KF70Qt
10000# Class Hammer
“T” Top Sound Dampening Box

SPECIFICATIONS:

Mounting Style	Box Enclosure with Top Cap
Weight	10274 lbs. (4670 Kg)
Length	148.5 in. (3775 mm)
AEM Impact Energy Rating	5259.6 ft./lbs. (7131.0 joules)
AEM Test Flow Rate	89.07 GPM (337.16 L/min)
AEM Test Frequency	347.40 BPM (5.79 Hz)
AEM Supply Line Pressure	2546.28 PSI (175.56 Bar)
Blows/Minute	250 ~ 320 (Variable)
Acceptable Oil Flow.	66 ~ 90 G.P.M.
Operating Pressure	2320 ~ 2610 P.S.I. (Regulated)
Working Steel Diameter	7.09 in.
Effective Length of Working Steel . .	33.9 in.
Recommended Carrier Size	48.5 ~ 77 Tons



VALVE ADJUSTER **F SERIES HYDRARAMS**

Function

The valve adjuster will vary the amount of oil passing through the hydraulic breaker. Adjustment of this valve is **only** necessary in order to maintain the proper hydraulic oil pressure for maximum operating efficiency. The chart on the next page shows the relationship between the valve adjuster and the flow rate. To increase the hammer impact speed and oil consumption, turn the valve adjuster counter-clockwise. To decrease the impact speed and oil consumption, turn the adjuster clockwise.



The valve should be *only* be adjusted when the breaker is mounted on a machine whose specifications for oil pressure and flow are less than the standard ratings for the hammer. Do not operate the valve adjuster unnecessarily!

Adjustment Procedure

A flow test must be done on the base machine to determine the amount of oil available to the breaker at the recommended pressure.

- STEP 1** Attach the breaker to the base machine.
(Refer to the "MOUNTING PROCEDURE" section of this manual.)
- STEP 2** Loosen the locknut which holds the valve adjuster in place.
- STEP 3** Using the proper allen wrench (supplied in the tool box), turn the valve adjuster clockwise until it is fully seated.
- STEP 4** Turn the valve adjuster counter-clockwise:
4 -1/2 turns (KF12 to KF19)
6 -1/2 turns (KF22 to KF70)



DO NOT TURN THE KF12 to KF19 ADJUSTER MORE THAN FIVE (5) FULL TURNS FROM ITS SEATED POSITION OR THE KF22 to KF70 ADJUSTER MORE THAN SEVEN (7) FULL TURNS. IT MAY BLOW OUT OF THE BREAKER CAUSING INJURY OR DEATH TO ANYONE IN THE VICINITY! BE SURE TO AVOID USING EXCESSIVE FORCE WHEN TIGHTENING THE ADJUSTER.



- STEP 5 Install a pressure gauge in the pressure line going to the breaker.
- STEP 6 Place the breaker in a vertical position on a solid object, such as a steel plate.
- STEP 7 Operate the breaker long enough to get an accurate pressure reading.
- STEP 8 If the pressure reading is less than the minimum operating pressure of the breaker, turn the valve adjuster clockwise 1/2 turn. Make sure to tighten the locknut after the adjustment has been made.
- STEP 9 Repeat steps 5 and 6 until the pressure is within the operating range specified for that model.

