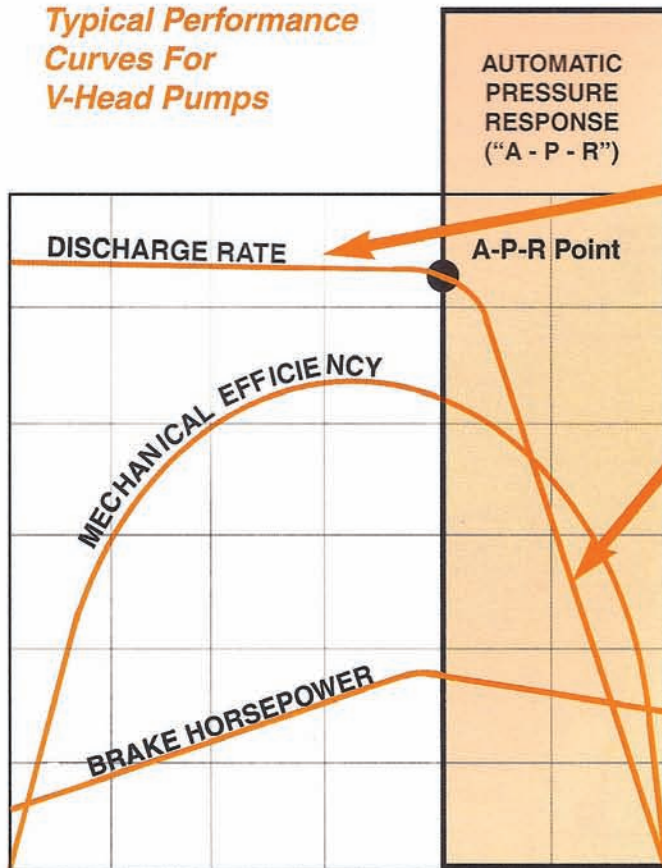


Fully Automatic

You Are In Total Control Of Volume And Pressure

Typical Performance Curves For V-Head Pumps



TOTAL PUMPING PRESSURE
Typical performance curves for V-head Pumps

THE AUTOMATIC VARIABLE VOLUME CONTROL

The pump, driven at a constant speed, establishes the discharge rate. The operator presets total pumping pressure by means of the control spring. The pump then delivers at a constant value as long as the operating pressure remains below the A-P-R point.

If pressure exceeds that point, a sensing mechanism inside the pump automatically responds by shortening the stroke of the pumping members, thereby reducing the discharge rate until an equilibrium point (volume vs. pressure) is reached.

The pump stroke will continue to adjust proportionately in order to maintain maximum pressure in the discharge line. In effect the pump is "free wheeling", greatly reducing horsepower consumption and with little heat buildup.

The pump stroke will lengthen to resume a full discharge rate by simply reducing the pressure.

The sensing mechanism automatically responds to total pumping pressure in both suction and discharge lines.



IDEAL

for automation applications because the Tri-Rotor V-Head Pump is itself fully automated.

It's a pumping station with its own built-in "remote control."