

TYPE XI CONTROL

VALVE PANEL UNITS FOR FOUR OR SIX CYLINDERS

USE

This control system is used to operate four or six double acting cylinders. The valve panel permits operation of all cylinders simultaneously. It can also be used to operate one or more cylinders individually.

TYPICAL APPLICATIONS

1. Operating a set of hydraulic jacking cylinders to push steel or concrete pipe under roadways.
2. Operating jacking cylinders to propel a tunnel shield.

OPERATION

See TYPE III CONTROL for operation of the relief valve, venting valve, and jog button.

The manually operated rotary 4-way valves have three positions:

Position 1: In this position pressure will be applied to Port A below causing the ram to extend when the jog button is pushed.

Position 2: In this position (Neutral) all ports are blocked locking the cylinder.

Position 3: In this position pressure will be applied to Port B below which is common to all cylinders.

The operator selects the cylinder or cylinders he wants to move by moving the valve handles for these cylinders into the correct position. He then operates the jog button until the desired ram travel has occurred.

The valve panels are mounted on the pump units. However, they can be shipped separately and remotely mounted if desired.

If these units are to be used to raise a load, a "failsafe" globe and check valve must be added. See TYPE IV CONTROL.

GASOLINE ENGINE DRIVEN PUMP UNITS

Model Number of Pump Unit and Controls	GPM of High Pressure Pump @1800 RPM	Number of Valves	Gasoline Engine H.P. @1800 RPM	Reservoir Capacity (Gallons)		Shipping Weight (Lbs.) Without Fluid	Maximum Pressure (PSI)	
				Total	Usable		Intermittent	Continuous
3060	4.76	4	32.0	50	35	1700	10,000	10,000
3061	4.76	6	32.0	70	45	1750	10,000	10,000

