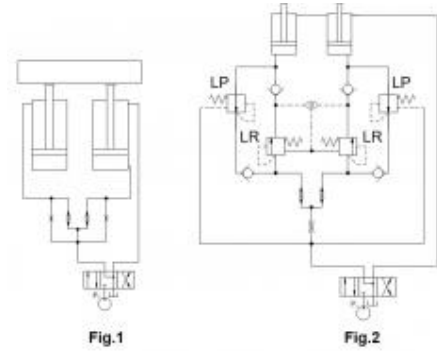


Prepared for :

Prepared by :

Schematics

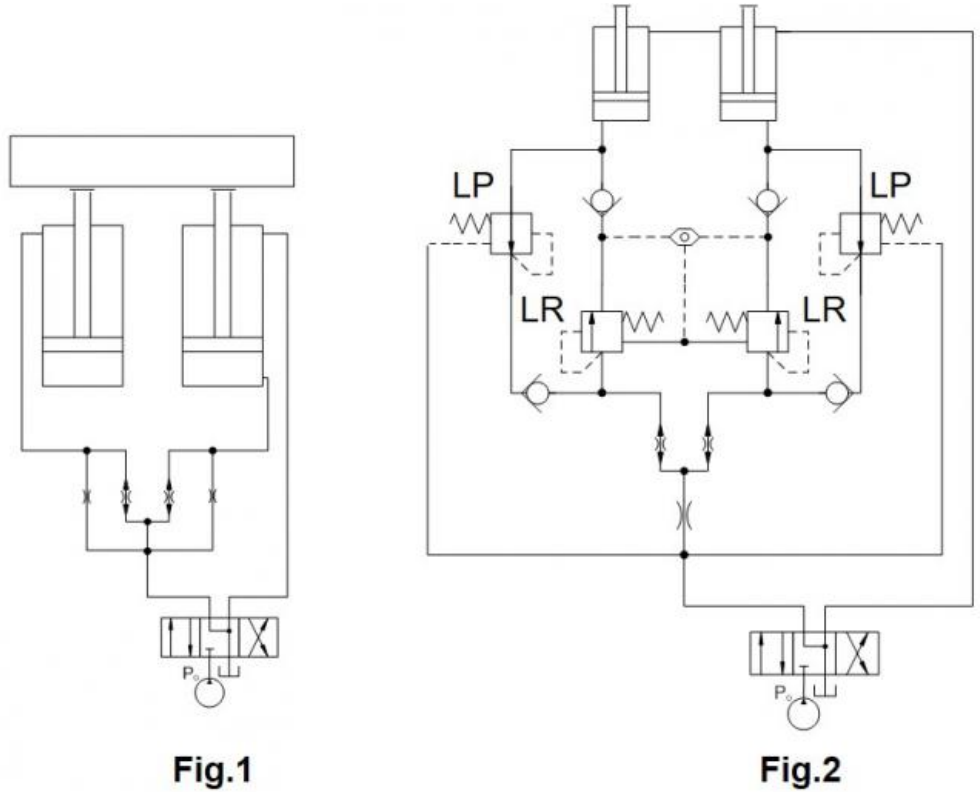


Related Products

Cartridges

- LRCC - Normally closed, modulating element
- LPDC - Normally open, modulating element
- FSAA - High accuracy, closed center, flow divider-combiner valve

Summary



Shows a flow divider/combiner with slip orifices in parallel for use in tractive systems or on rigidly connected cylinders in figure 1. Figure 2 shows a flow divider/combiner with additional pressure summation for increased accuracy.

- **Normally closed, modulating logic element:** LR*C
- **Normally open, restrictive modulating logic element:** LP*C
- **Flow divider/combiner:** FS*H, FS*A

Benefits of this circuit arrangement:

- **Fig.1** shows a soft flow divider/combiner with two equal flows for positive traction. The slip orifices can be sized to allow for steering. Slip orifices are also recommended for use on rigidly connected cylinders to avoid binding.
- **Fig.2** shows how the accuracy of a flow divider can be improved by pressure compensation so that the flow divider sees lower pressure differential between the two legs. In divide mode, LR** logic elements as post compensators preload both downstream ports of the flow divider to the same pressure.
- In combine mode, LP** logic elements reduce the inlet pressure for the flow combiner to the same pressure.