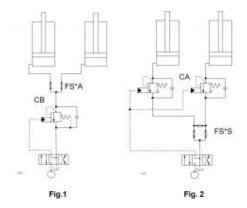


Flow Division and Load-Holding (2)

Machine: | Actuator: Cylinder | Function: Counterbalance, Flow, Load Holding

Prepared for : Prepared by :

Schematics



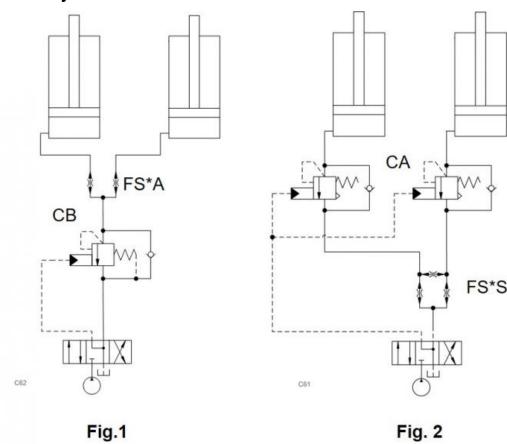
Related Products

Cartridges

FSAA - High accuracy, closed center, flow divider-combiner valve CWCA - 3:1 pilot ratio, vented counterbalance valve

CBAA - 3:1 pilot ratio, ultra-restrictive counterbalance valve

Summary



These example show flow divider/combiners for single-acting cylinders.

Flow divider/combiner valve : FS*A, FS*S
 Vented counterbalance valve : CA**, CW**
 Counterbalance valve : CB**

Benefits of this circuit arrangement:

- Fig.1 shows a flow divider/combiner without synchronization. Leakage from one cylinder to the other will
 occur during load-holding conditions, as the FS*A valve is a spool-type valve. A single standard
 counterbalance valve can be used for load-holding of the two cylinders.
- Fig. 2 shows a flow divider/combiner with synchronization in the end-of-stroke position. The vented counterbalance valves on each cylinder ensure a load-holding function for each cylinder.

For Sun technical support, contact Steve Weber.

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