

BALANCE (B) CONTROL

FOR CONSTANT WEIGHT BALANCING APPLICATIONS

PURPOSE - FUNCTION - RESULTS
BALANCERS ARE INTENDED FOR APPLICATIONS WHERE A CONSTANT WEIGHT IS SUPPORTED FROM THE LOAD HOOK.
BALANCERS GIVE A DEGREE OF WEIGHTLESSNESS TO THE SUSPENDED LOAD. THEY GIVE OBJECT MOBILITY, MINIMIZES OPERATOR FATIGUE, PROTECTS TOOLS FROM BEING DROPPED & DAMAGED.

Tri-Motion Air Balancers Provide a Broad Range of Capacities In Each Model and Provide a True Balance Over Entire Travel.

- VIRTUALLY NO MAINTENANCE - EASY INSTALLATION.
- AIR CONSUMPTION IS NOMINAL, INTAKE AIR IS REQUIRED FOR LIFTING LOAD ONLY
- NO SPRING FATIGUE

Depending on adjustment selection, balance can be either CONSTANT: load remains where it is when operation ceases. BIAS UP: load automatically rises when operator is finished or BIAS DOWN: load returns to a down position.

BALANCER WITH HIGH RELIEF REGULATOR



Adjustment is simple, no additional tools required. Turn the adjustment knob until desired balance is achieved.

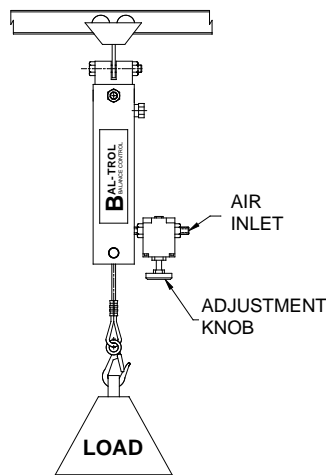
Should the main air supply be cut off, check valves keep load from falling.

Chart reflects the range of capacity for units supplied with regulator.

MODEL FH OR FV	MIN/MAX LBS.
50	5-50
01	10-100
M-03	10-80*
M-06	15-100**

* Maximum based on 4:1 ratio (see page 9).
 **Maximum based on 6:1 ratio (see page 9).

909-30600 Regulator with fitting - nontapped (weight under 100 lbs)
 909-30601 Regulator with fitting - tapped for servo bleed valve.



What You Need To Consider When Selecting This Control...

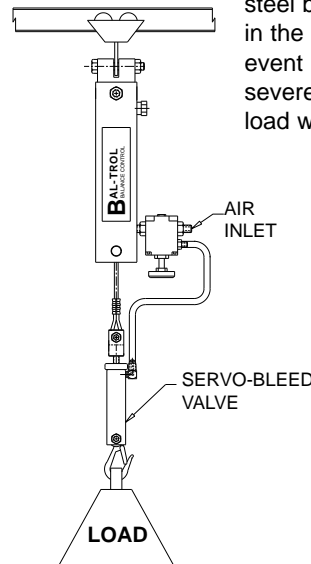
- Weight Of Object(s) 5-100 lbs.
- Unit To Select: MH03, MV03, MH-06, MV-06, FH01, FV01, FH50 & FV50.

BALANCER WITH SERVO BLEED VALVE*

No additional tools required for adjustments. Works in conjunction with High Relief Regulator. Simply turn the servo knob until balance is achieved.

Check valves keep load from falling in the event main air supply is lost. Load lowers gradually.

Hose between regulator and servo is a steel braided hose; in the unlikely event hose is severely damaged, load will fall.



MODELS FH, FV, MV12, MH12	MIN/MAX LBS.
02	50-200
03	75-300
06	200-600
08	300-800
12	500-1200
M-06	30-125*
M-12	75-300*
M-40	300-800*

* Maximum based on 4:1 ratio (see page 9)
 Consult factory if your load is at the high or low extreme end of range.

What You Need To Consider When Selecting This Control...

- Weight Of Object(s) 125-1200 lbs.
- Unit To Select: Vertical or Horizontal 200 through 1200 lbs. or the M-12, M-06 or M-40