Controls

Control valves allow you to change the direction or the speed of the motor. We offer many different control valves for all our air motors. Proportional control valves are mounted directly onto the air motor and can control the direction and the (proportional) speed. Besides the proportional control valves we also offer standard control valves. You can choose between a hand control valve (HCV) or a remote control valve (RCV). Our vane air motors with RCV can be remotely controlled with a variety of pendant controls or lever controls.

Standard Control Valves

The advantages of the standard valves are:

- Pre selected for use on GLOBE air motors;
- Standard with ATEX for use in hazardous environments;
- Easy to mount;
- Valves have open centres in neutral position;

Proportional Control Valves

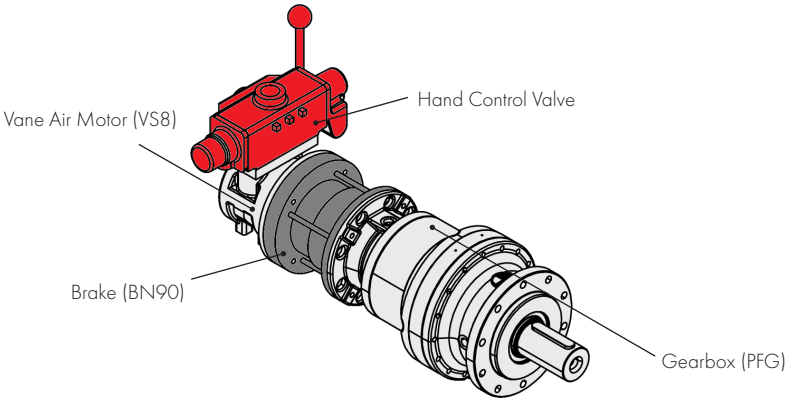
As standard the proportional valves can be supplied with either Equal Power or Biased Power spools, the latter is suitable for hoisting applications. The motor will have maximum power in lifting and reduced power in lowering. Because of the biased valve the load will not pull the motor in over speed in lowering direction. The direction of reduced power must be stated when ordering clockwise (CW) or counter clockwise (CCW) when viewed on the output shaft of the motor.

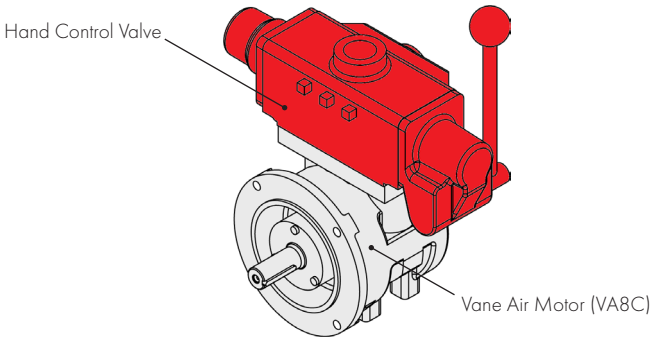
The advantages of the proportional valves are:

- Robust cast steel body;
- Standard with ATEX for use in hazardous environments;
- High flow design for low back pressure;
- Frictionless matched spool and sleeve;
- Very accurate proportional control;
- Available in equal power or reduced power

Hand Control Valves

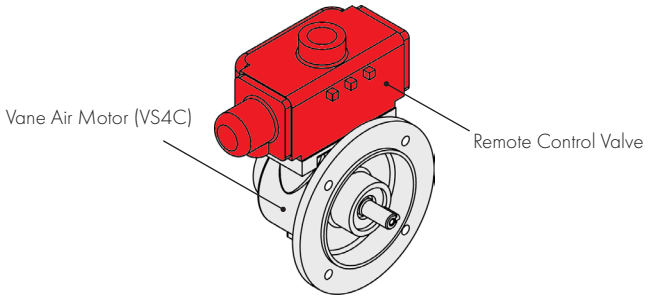
The control valve spool is operated directly by a lever mechanism. Speed increase is obtained as the lever is moved in either direction from the central (neutral) position.

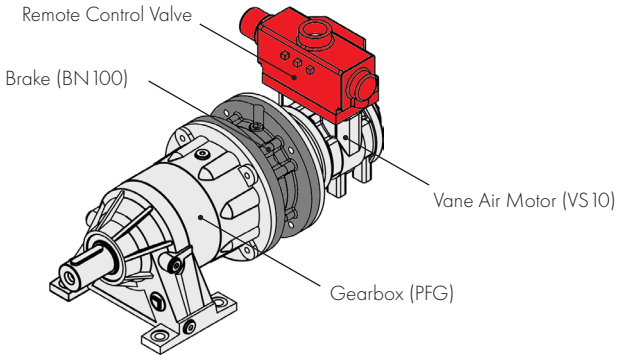




Remote Control Valves

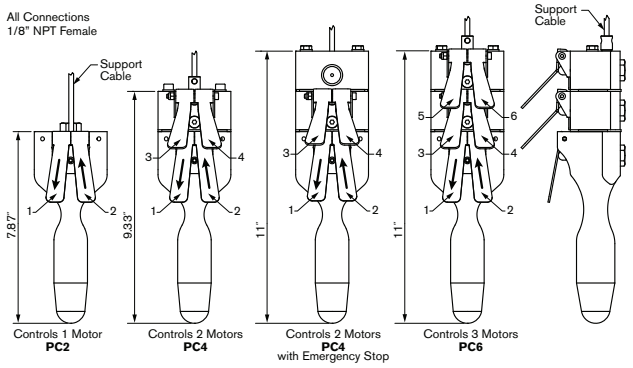
This option is usually controlled from a remote position by one of the PC series or LC2 remote controllers. A variable air pilot signal is applied to either end of the valve spool, depending on the required direction of motor rotation. The pilot pressure range is between 1.4 bar (20 psi) and 4.8 bar (70 psi), increased pilot pressure gives increased speed. The valve is spring centred to neutral.



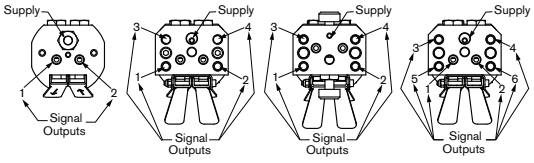


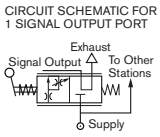
Pendant Controls (PC2, 4 or 6)

The PC2, 4 and 6 remote controllers are designed specifically for use with the RCV modules. They provide the correct range of pilot pressure required to operate the RCV units, and give excellent control of motor speed. The PC2 is used to control one (hoist) motor; the PC4 can control two motors independently (say hoist and long travel); the PC6 can control three motors independently (hoist, long travel, traverse). Motors of different sizes can be controlled from the same unit. Control line lengths of 36 m / 120 ft. give excellent response. For distance in excess of this contact factory. The control lines are small bore eliminating the need for large capacity air supply lines between motor and controller. If required, supply pressure can be taken from the tapping on the RCV. MARINE VERSION AVAILABLE. PC2M, PC4M OR PC6M.

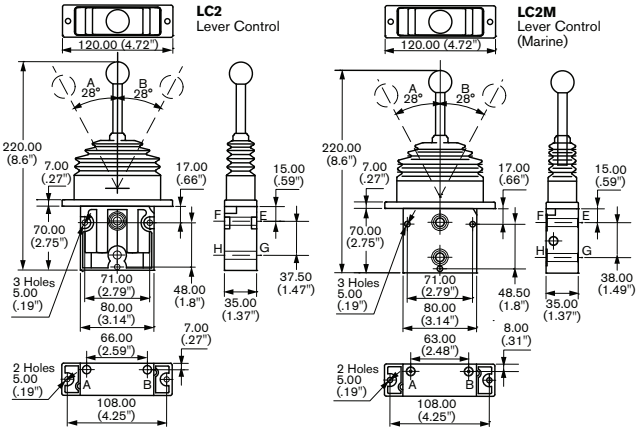


	PC2	PC4	PC6	PC4L	PC6L
KG	1.0	1.5	2.0	1.6	2.1
LBS.	2.3	3.3	4.3	3.5	4.7

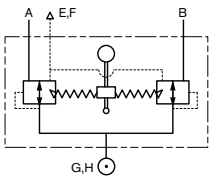




Lever control (LC2) / Marine Style (LC2M)



CIRCUIT SYMBOL
LEVER CONTROL VALVE



NOTE:

H and G are alternative supply ports.
A and B are outlet ports.

Plug alternative ports not connected.
E and F are exhaust ports.
All ports are 1/8" (BSP).

Accessories