

# PAV

## Positioning system

**The PAV control box together with the servo slides forms a manual positioning system for the welding head.**

### PAV

The PAV system makes it easier to keep the welding head in optimal position and it also makes it easier for the operator to make a good job with less welding faults and costly repairs.

The operators ergonomic safety is in focus. The PAV allows the adjustment of the welding head to be done fully remotely. There is no need to climb or stretch to reach and operate the manual slides for adjustment of weld positions. The operator can all the time keep the focus on the welding process and do adjustments just by using the joystick.

By using the PAV with the controls mounted on the remote box the operator can be more flexible and move along a larger object and still have full control over the position of the welding head.

### Operation

A PAV control box can control one or two servo slides.

With the joystick on the control box or the remote control you can manually control the movement of the welding head up/down or left/right.

With a push button you can choose between low or high speed of the movement. When high speed is activated the push button lights up.

### Applications

- Shipbuilding (panels, sub-components)
- Power generation (wind towers, boilers, vessels)
- Infrastructural components (beams, bridges)
- Off-road vehicles (excavators, dump trucks)

PAV is available in three versions:



**With control panel on the front**  
Suitable for ESAB's A2 and A6 beam travelling carriage. Automatic solutions with short distance between welding head and PAV control box and where the operator has a good overview of weld joint and welding head without moving around.



**With remote control (no control panel on the front)**  
Suitable for Column & Booms and large automatic installations with long distance between welding head and PAV control box and when the operator must move around in order to get a good view of the welding joint.



**Without control panel and remote control**  
Suitable for customized solutions where the customer's own remote control is adapted to the PAV control box.

- Operator friendly
- Ergonomic
- Easy to use
- Shorter set-up times
- Higher quality
- Improved working environment

## Technical data

Connection voltage	42V AC 50-60 Hz
Fuse	10A (slow)
Max motor current	6A 100%
Armature voltage	40V DC
Field voltage	60V DC
Current limit	15A
Dimensions l x w x h, mm	246x235x273
Weight, kg	6.0
Enclosure class	IP 23

### Remote control

Dimensions l x w x h, mm	205x135x118
Weight, kg	2.7
Enclosure class	IP 23

### Intermediate transformer

Input voltage:	190 , 230, 400 , 415, 440, 500V 50Hz
	200 , 230, 400 , 415, 440, 500V 60Hz.
Output voltage:	42V 660VA
Dimensions l x w x h, mm	308x223x133
Weight, kg	15.6



Remote control PAV

## Ordering information

PAV without control panel	0460 502 880
PAV with control panel	0460 502 881
PAV with remote control	0460 697 880

### Accessories

Cable restraining bracket	0460 861 880
Motor cable, L = 5.0 m	0460 745 881
Motor cable, L = 10.0 m	0460 745 882
Motor cable, L = 19.0 m	0460 745 884
Servo slides	0334 333 XXX
See separate fact sheet	

Quality accessories for the quality welder  
ESAB offers a wide range of accessories. The complete range, along with product information, is available at our local web-sites, look at [www.esab.com](http://www.esab.com) or contact your local ESAB dealer.

### Unrivalled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We endeavour to offer our customers an After Sales service, which is second to none. A strong and skilful service organisation is prepared to offer service and maintenance, calibration, validation and upgrading of equipment and software.

The service organisation will offer standardised solutions for the reconditioning or modification of existing products.

Spare and wear parts are manufactured according to ESAB's quality plan. Exchange Printed Circuit Board (PCB), exchange modules and components are available for all our products in order to reduce downtime to an absolute minimum. ESAB is continuously upgrading authorised service partners for local service support. Customers who have their own service and maintenance personnel will always be offered a service-training package as part of a total ESAB offering. However, product and process training for end-users will form an additional part of the ESAB offering. Always ask your ESAB sales representative or distributor for a complete ESAB solution.

2009-06-25 / ESAB reserves the right to alter specifications without prior notice



**ESAB AB**  
Welding Equipment  
SE-695 81 LAXÅ, Sweden  
Phone: +46 584 81000  
Fax: +46 584 411721  
E-mail: [info@esab.se](mailto:info@esab.se)

[www.esab.com](http://www.esab.com)

