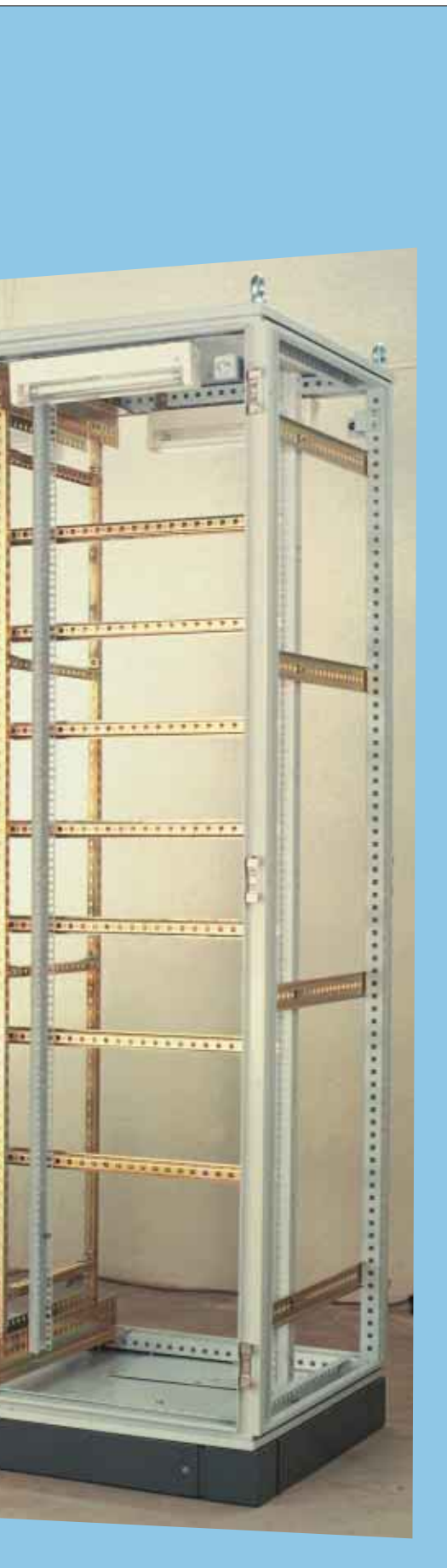


## *Solutions for the Process Automation Industry*

The APW President Series 36 steel cabinet incorporates features which are currently industry standards world-wide. The S-36 is a world-class product in terms of design, product features, quality of workmanship, dimensional precision and finish. A full range of accessories is also available for the S-36 family. These comprise of the standard 19" cabinet accessories, as well as a range of new accessories and optional items developed specifically for the S-36 family.



# SERIES 36 STEEL CABINETS



## Style of Construction

The basic frame consists of separate height, width and depth channels made from 2.0mm sheet steel. These are blanked and punched on a CNC Turret Press, folded and then welded together using a solid steel corner block to provide exceptional rigidity. The channels are so designed as to lock into each other at the corners. Lifting bolts thread directly into the solid corner blocks. A custom built welding fixture ensures that all frames are dimensionally accurate and that squareness is maintained.

## Sizes

Heights : 1000, 1500 & 2000mm

Widths : 600, 800 & 1200mm

Depths : 400, 600 & 800mm

## Material and Finish

- Welded steel frame with all frame members made from 2.0mm thick steel channels
- Doors, Rear Panels and 19" equipment mounting angles made from 2.0mm thick steel
- Top/bottom covers and side panels made from 1.6mm thick steel.
- Colour shade - RAL 7032 Powder coated finish

## Form of Supply

- Frame Assembly - Welded Steel Frame plus Depth Channels
- Rack Assembly - As per Frame Assembly plus Side Panels, Top & Bottom Covers and Lifting bolts.

## Optional Accessories

- Steel Doors
- Plinth Frames
- Rear Panels, Screw-On
- Baffle Plates

# SERIES 36 STEEL CABINETS

## HIGHLIGHTS

The clear elegant lines of the S-36 are evident in this cabinet of 2000mm height, 600mm width and 800mm depth. It is mounted on a 100mm high Plinth Frame. The four Lifting Bolts are standard supply.

Paint Shade is RAL 7032.



A S-36 cabinet with the front door fully open. The high quality hinges which are mounted externally not only permit the door to be opened a full 180°, but also ensure that the door will swing clear of an adjacent S-36 cabinet. Internal concealed hinges with 120° door opening are available as a lower cost option. Also seen in this photograph is an optional Document Pouch

Close-up views of the Swing Handle Latch Mechanism with 3-point locking. This rugged locking system consists of a recessed swing handle with key locking. In the locked position the handle remains flush in its housing. Due to the length of the handle, sufficient force is generated without much effort so as to compress the door gaskets and achieve protection to IP54/55 level. Steel runners extend from the locking cam mechanism to the top & bottom edges of the doors. (A lower cost 3-point Latch Mechanism is also available). Also seen in the photograph is the rectangular steel tubular frame which provides stiffness to the door.



This photograph shows the door assembly with the rubber sealing gasket fixed along the edge. Also visible is the steel locking bar with the rollers at the end. When the Swing Handle of the lock is rotated downwards, the rollers climb over the edge of the width channels at the top & bottom of the cabinet, pulling the door inwards by 3mm and thereby compressing the sealing gasket.

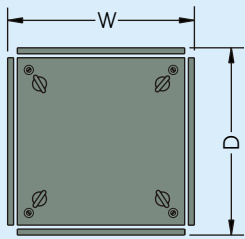


This close-up view looking upwards shows the formation of the corners. The interlocking of the height, width and depth channels by means of the corner block can be seen here. The tapered end of the Lifting Bolt has passed all the way through the corner block.

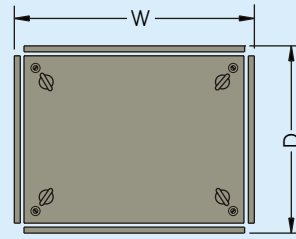
The 19" Equipment Mounting Angle is also seen at the left. It is fixed to the Depth Channel so as to be slightly recessed from the front doors. It can also be mounted directly to the main vertical channel (or pillar) of the cabinet frame.



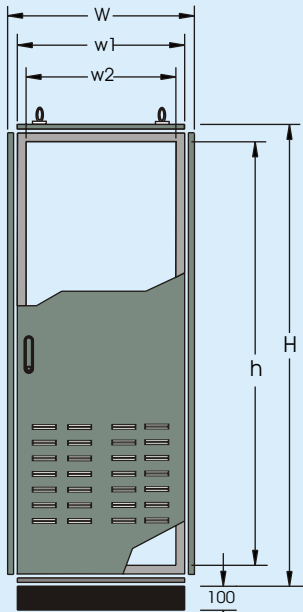
This photograph shows a close-up view of the bottom corner of the cabinet on the door hinge side. The method for ensuring earthing continuity of the various panels and doors can be seen here.



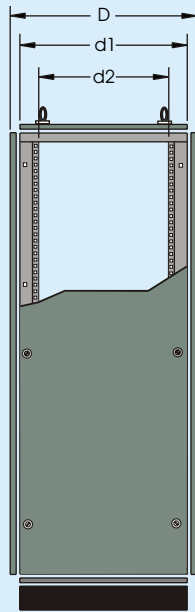
TOP VIEW



TOP VIEW

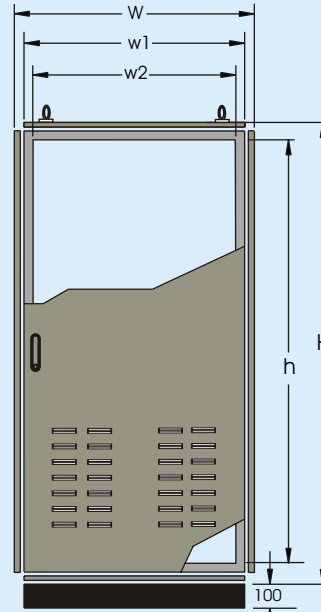


FRONT VIEW

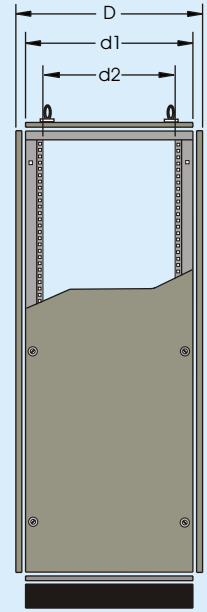


SIDE VIEW

600mm W

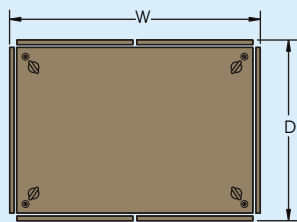


FRONT VIEW

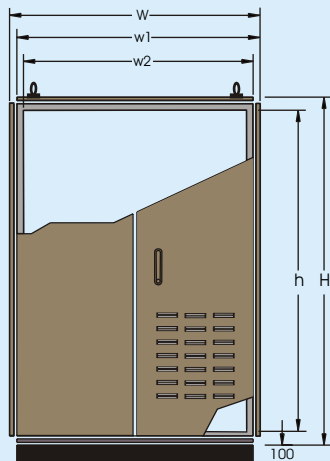


SIDE VIEW

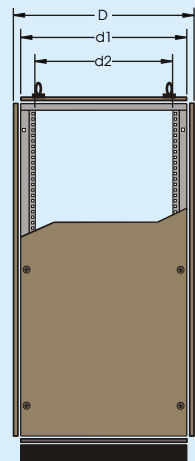
800mm W



TOP VIEW



FRONT VIEW



SIDE VIEW

1200mm W



## Dimensions

## Ordering Information

### RACK of 600mm width

Nominal Height x Depth	Overall			Frame		Entry			Order Code
	'H'	'W'	'D'	'w1'	'd1'	'h'	'w2'	'd2'	
1000 x 600	1000	608.4	600	598	583	923.4	523	425	36-2221
1500 x 600	1500	608.4	600	598	583	1423.4	523	425	36-2222
2000 x 600	2000	608.4	600	598	583	1923.4	523	425	36-2223
1000 x 800	1000	608.4	800	598	783	923.4	523	625	36-2231
1500 x 800	1500	608.4	800	598	783	1423.4	523	625	36-2232
2000 x 800	2000	608.4	800	598	783	1923.4	523	625	36-2233

### RACK of 800mm width

Nominal Height x Depth	Overall			Frame		Entry			Order Code
	'H'	'W'	'D'	'w1'	'd1'	'h'	'w2'	'd2'	
1000 x 600	1000	808.4	600	798	583	923.4	723	425	36-2321
1500 x 600	1500	808.4	600	798	583	1423.4	723	425	36-2322
2000 x 600	2000	808.4	600	798	583	1923.4	723	425	36-2323
1000 x 800	1000	808.4	800	798	783	923.4	723	625	36-2331
1500 x 800	1500	808.4	800	798	783	1423.4	723	625	36-2332
2000 x 800	2000	808.4	800	798	783	1923.4	723	625	36-2333

### Dual Width RACK - 1200mm wide

Nominal Height x Depth	Overall			Frame		Entry			Order Code
	'H'	'W'	'D'	'w1'	'd1'	'h'	'w2'	'd2'	
2000 x 400	2000	1208.4	400	1198	383	1923.4	1123	225	36-2513
1500 x 600	1500	1208.4	600	1198	583	1423.4	1123	425	36-2522
2000 x 600	2000	1208.4	600	1198	583	1923.4	1123	425	36-2523
1500 x 800	1500	1208.4	800	1198	783	1423.4	1123	625	36-2532
2000 x 800	2000	1208.4	800	1198	783	1923.4	1123	625	36-2533

All dimensions are in millimeters

- Note :**
- H - Overall height of the rack
  - h - Entry height of the rack
  - W - Width of the rack with two side panels
  - w1 - Width of the rack without side panels
  - w2 - Entry width of the rack
  - d - Overall depth of the rack with two doors
  - d1 - Depth of the rack without doors
  - d2 - Entry depth of the rack

Plinth frames and doors shown are optional items and have to be ordered separately

The overall height includes Top & Bottom Covers but not the Base Frame or Plinth. These are 100mm high and the overall height dimension would increase by 100mm in all cases if these mounting options are used.

