

# R0015350 Assemble Pneumatics on to electrical cabinet

Instructions to mount pneumatic components

 Difficulty **Medium**

 Duration **3 hour(s)**

## Contents

Introduction

Step 1 - Unless otherwise stated

Step 2 - Drill position for regulator bracket

Step 3 - Drill position of Valve

Step 4 - Drill position of valve base

Step 5 - Assemble and mount regulator

Step 6 - Assemble and mount Valve

Step 7 - Assemble valve base and fit

Step 8 - Mount trunking

Comments

## Introduction

### Tools Required

Standard hex keys  
Standard spanner set  
Standard drill set  
Standard tapping set  
Tape measure  
Rule

### Parts Required

P0001069 x 1  
P0001022 x 1  
D0001933 x 1  
P0001008 x 1  
P0000010 x 3  
P0001009 x 1  
P0001102 x 1  
P0000009 x 1  
P0001163 x 4  
P0001073 x 1  
P0000159 x 3  
P0001101 x 1

## Step 1 - Unless otherwise stated

Use loctite 243 on all fasteners

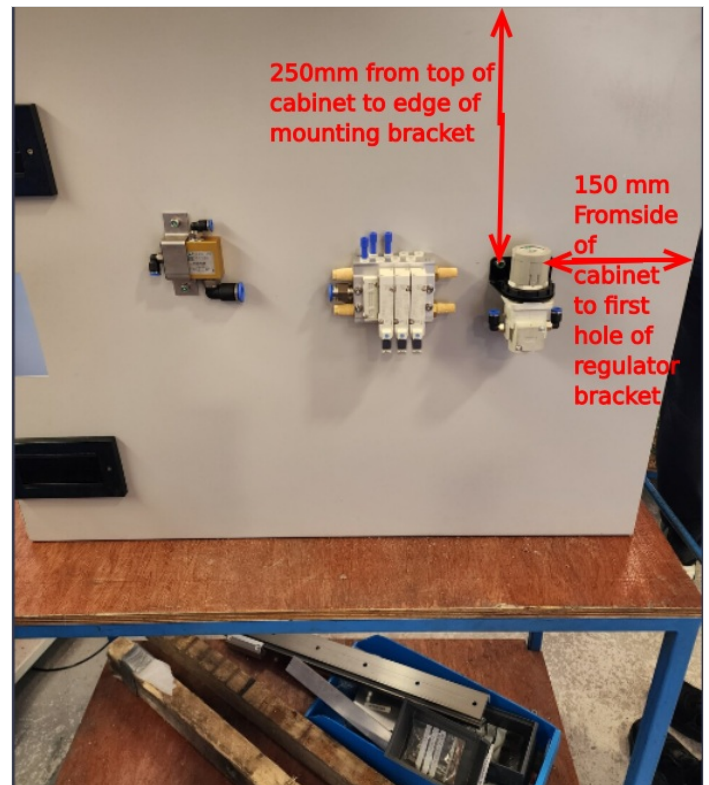
Use Loctite 572 on all threaded pneumatic connections

Pen mark all bolts to show finalised



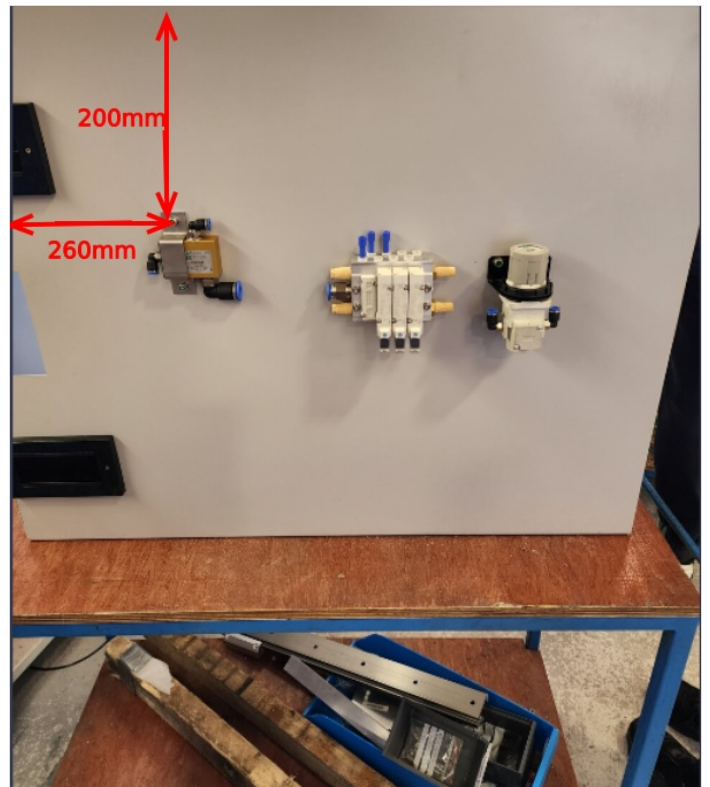
## Step 2 - Drill position for regulator bracket

Use dimensions to fix regulator bracket P0001022 to cabinet. Drill 2 off M5 tapped holes to suit regulator. Use m5 x 12 socket caps and heavy M5 washers



### Step 3 - Drill position of Valve

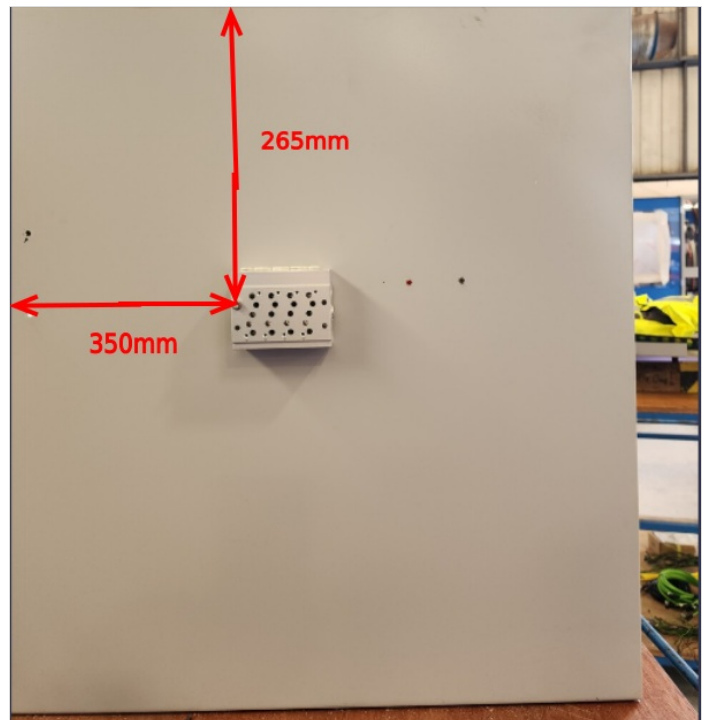
Mount valve bracket D0001933 to dimensions shown .  
Measurements are taken from edges of cabinet to first top  
mounting hole of bracket . Use valve bracket to mark second hole  
after first hole is drilled . Drill and tap M5



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### Step 4 - Drill position of valve base

Drill valve bank base to dimensions shown. Measurements are  
taken from edge of cabinet to mounting hole indicated. Once first  
hole is drilled, use valve base as template to add 3 off remaining  
fixing points. Drill and tap M4



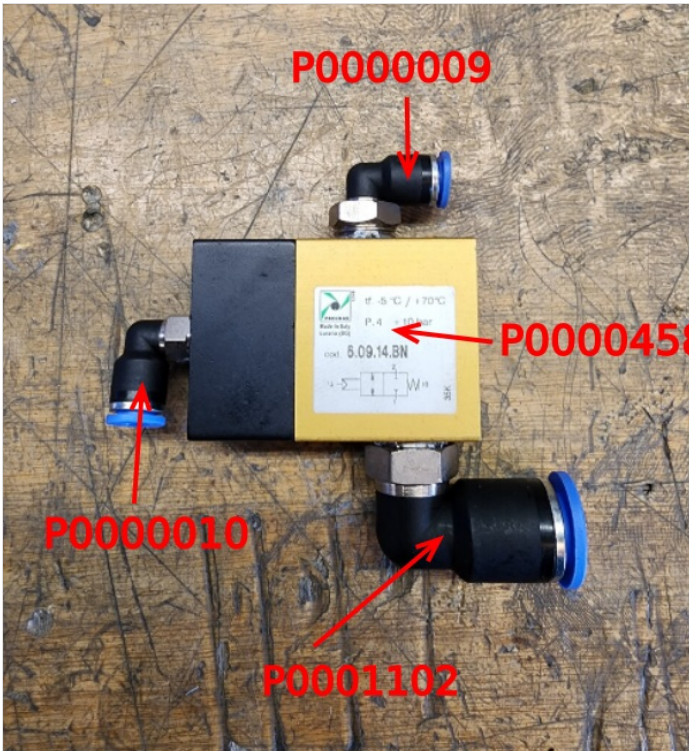
## Step 5 - Assemble and mount regulator

Assemble regulator P0001008 as shown. Use P0001009 panel nut and 2 off P0000010 fitting and mount to bracket on cabinet



## Step 6 - Assemble and mount Valve

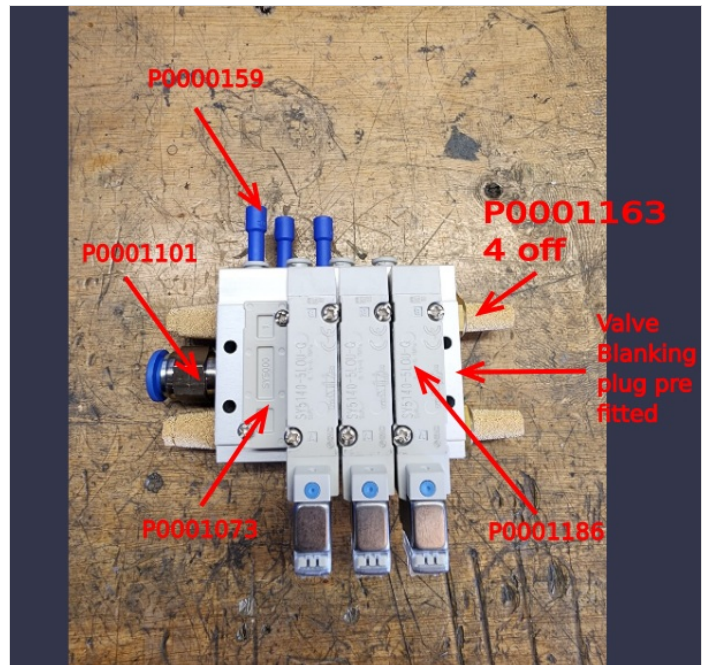
Assemble P0000458 valve with fittings shown. Mount to bracket on cabinet using M5 x 12 socket caps and M5 heavy washers



## Step 7 - Assemble valve base and fit

Assemble valve base P0001069 with fittings shown

Mount to cabinet using 4 off M4 x 40 socket caps and M4 A form washers



## Step 8 - Mount trunking

Cut 40 x 60 Trunking (p n/o required ) to length to suit cabinet width with no overhang . Position height wise referencing the cable access shroud

Drill and fix with m5 x 10 button heads and large A form washers .

**⚠** ...Check where m5 tapped holes are added . Inside the cabinet there are mount bosses to accept electrical panel. Ensure areas to drill are selected that don't interfere with these points

