

APS HYDRAULIC GATE CLOSER



Specification
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- Ⓜ The APS closer and top hinge kit is specially designed for incorporating into gates for safe, reliable self closing.
- Ⓜ Suitable for gates up to 120kg, no power required.
- Ⓜ Fully adjustable closing speed with main closing speed and latching speed adjustments
- Ⓜ The robust closer unit is fitted underneath the gate and also acts as a load-bearing lower hinge. Fitted in this position the closer is unobtrusive and highly vandal resistant.
- Ⓜ The kit includes a top hinge assembly which is fully adjustable to enable the gate to be positioned correctly after installation



PRODUCT OPTIONS

Product Code - **APSSTOP**



INSTALLATION

Remove the closer from the steel case and weld the case to the underside of the gate ensuring that when installed the closer pivot will be vertically in line with the top hinge spigot.

Unscrew the steel bracket from the closer and weld in position to the gate post.

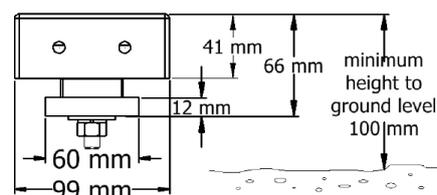
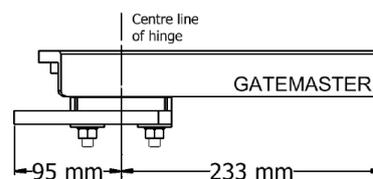
Disassemble the slotted adjusting bracket from the hinge and weld onto the gate post near the top. Weld the spigot onto the top of the gate ensuring that the centre of the pivot will be vertically in line with the bottom pivot.

Once the gate is galvanised or painted the hinge can be located onto the spigot and bolted to the bracket with the fixings supplied. Slots are provided in the bracket to adjust the gate. Ensure that the unit is greased when fitted.

Changing the handing of the stop hinge - remove the two bolts from the hinge and take out the first two U-shaped plates and the round plate. Remove the final plate and turn it up the other way before re-assembling the unit and refit, this will mean that the gate can open 90° in the opposite direction.

MAINTENANCE

The top hinge should be kept lubricated with a suitable grease. The closer and bottom hinge require no maintenance.



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DETAILED SPEED CONTROL INSTRUCTIONS

The APS gate closer motor is factory set to close the gate in 5 – 7 seconds. There are 2 speed control valves. The one furthest from the pivot is for controlling the last 15 degrees of closing speed and is called the 'Latching speed control valve'. The other valve is for controlling the speed of the first 75 degrees of closing.

Closing speed adjustment

1. Using the key provided, turn both screws in until they stop turning. Be careful not to over tighten them once they have reached the limit of travel. Both valves are now closed and the gate will now not close or open
2. Now undo the valve nearest the pivot 1 – 2 turns. This should result in the gate moving through the first 75 degrees of closing in about 6 seconds.
3. Next release the latching speed control valve 1 – 2 turns and the last 15 degrees of closing will take about 4 seconds.

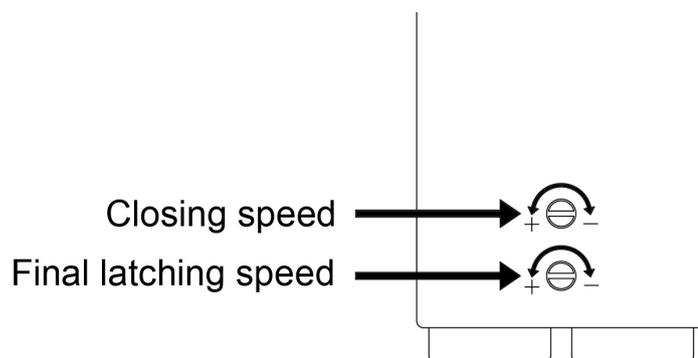
Note: A ¼ turn can make a large difference to the speed of the gate.

Do not turn screws more than 3 turns from the closed position, if in doubt close off valves and start again.

If the screw is turned passed this point, oil loss will result. This will cause the mechanism to fail, thus invalidating all warranties.

Gate not closing fully

If the closer comes to its rest point before the gate is fully closed, release 2 x M10 nuts on bracket below closer, shut the gate and retighten the M10 nuts.



To adjust, turn both screws clockwise until they stop. This will mean the gate will be locked in position. Then undo until they are the correct speed ensuring they do not turn more than 3 full turns from the stopped position

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