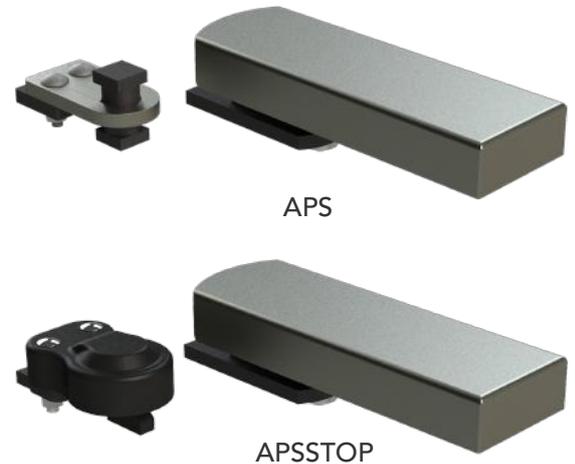# HYDRAULIC GATE CLOSER

Specification Sheet
APS/APSSTOP

FEATURES

- Safe dual-phase closing: The APS closer features controlled dual-phase closing speeds, preventing the gate from slamming and ensuring user safety.
- Fully adjustable: Closing and latching speeds can be customised to suit the specific use case.
- Strong performance: Capable of reliably closing gates up to 150kg in weight, no power required.
- Vandal-resistant: The durable closing unit is mounted underneath in the gate, offering added protection from tampering.
- Unobtrusive design: Installed at the bottom of the gate, the closer also functions as a load-bearing lower hinge, keeping the system compact and efficient.

APS

APSSTOP

PRODUCT DETAILS

Product code	Description
APS	Hydraulic gate closer
APSSTOP	Kit with special stop hinge to prevent gate to be opened more than 90 degrees, to avoid damaging the closer.

INSTALLATION

1. 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.
2. Remove the two self-colour post brackets and weld them to the gate post. Ensure that there will be sufficient clearance between the closer and the finished ground surface to enable the speed control valves to be adjusted using the key supplied (see bottom diagram at right). Incorporate the top hinge spigot into the gate frame near the top.
3. Once the gate is painted or galvanised the components can be assembled onto it and the gate lowered onto and secured to the lower bracket. The top hinge can then be assembled and adjusted to align the gate correctly.
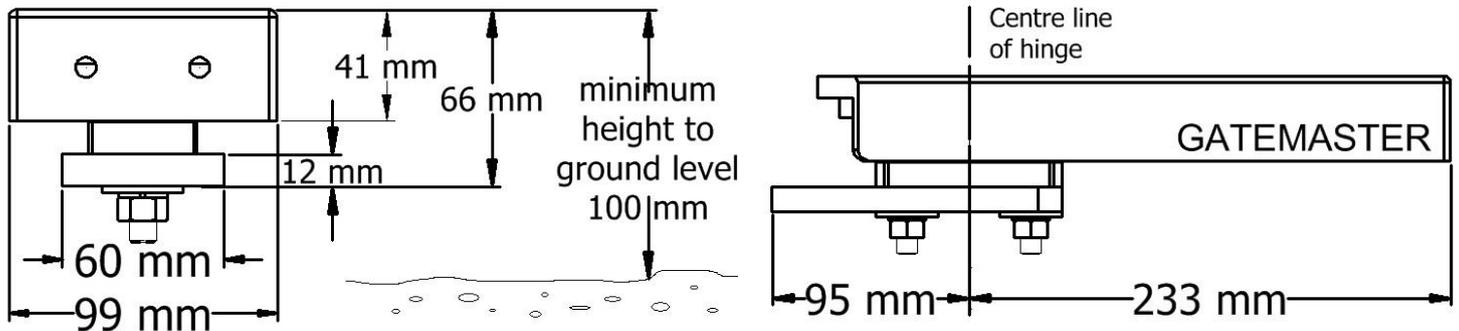
IMPORTANT INSTALLATION INFORMATION:

- The APS closer is a self centering unit which can rotate 100 degrees both ways. It is important to ensure when installing the gate post that the bottom welded bracket ends up dead in line with the receiving post or even slightly angled beyond the centreline. This ensures that the gate will definitely close to the centreline and not stop at a slightly open position.
- If using the standard APS closer, please ensure that a separate gate stop is fitted to prevent the gate being opened more than 100 degrees.

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

HYDRAULIC GATE CLOSER

Specification Sheet
APS/APSSTOP

41 mm
66 mm
12 mm
minimum height to ground level 100 mm
60 mm
99 mm

Centre line of hinge
GATEMASTER
95 mm
233 mm

INCLUDED IN THE BOX

- Top hinge
- Speed adjustment tool
- Fixing screws

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.

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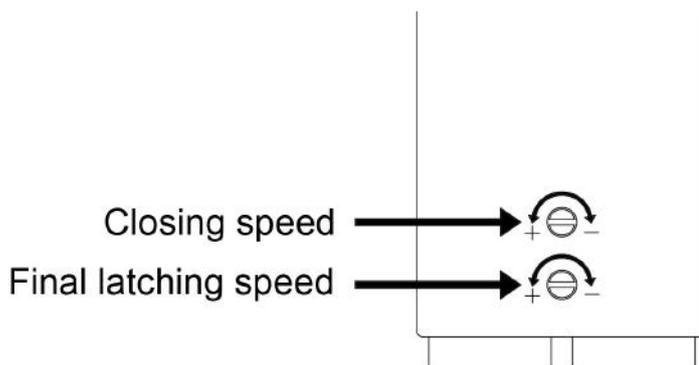
To adjust, turn both screws clockwise until they stop. This will mean the gate will be locked in position. Then undo until they are the correct speed ensuring they do not turn more than 3 full turns from the stopped position

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