



INDICATOR GUIDE

CVD Divergence

Marks the spots where price and cumulative volume delta (CVD) disagree, right on the price chart. It compares the price swings with the CVD numbers at those swings, the same check you would do by hand against the CVD panel, and draws one clean line (or one bubble) per divergence. No trade calls, no bias, just the disagreement, on the exact wick.

The idea

1 . Swing vs swing

the two points you would compare

A divergence is measured between two price swings and the CVD at those swings. Nothing in between, no noise.

2 . Exhaustion or absorption

two kinds, both sides

Price pushes but the CVD does not: exhaustion. CVD pushes but price does not: absorption. At highs and at lows.

3 . A clear lifecycle

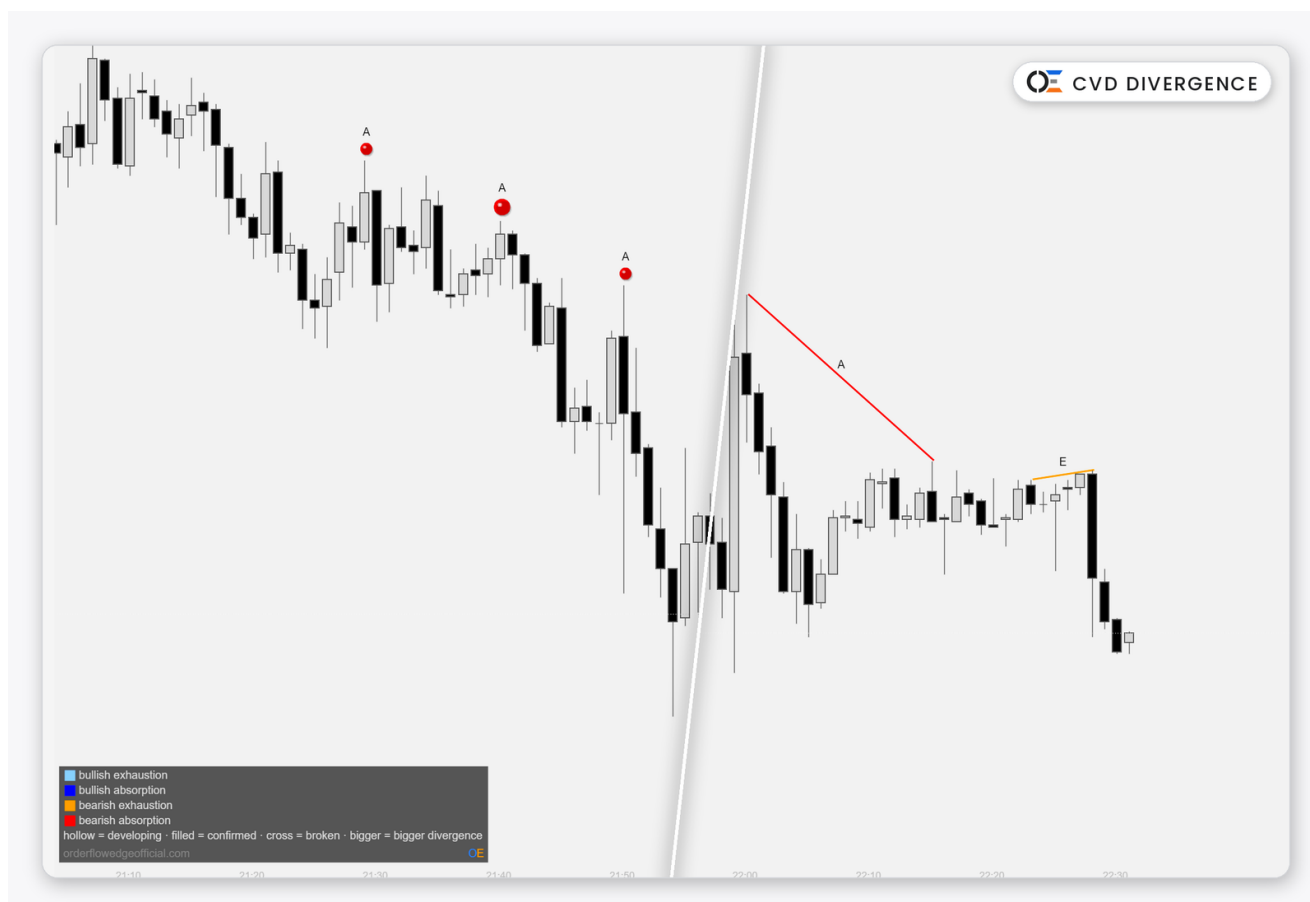
developing, confirmed, broken

Updates live, every tick, faded while it forms. Full color once confirmed, marked broken when price takes the swing out.

The CVD is built from the same candle deltas as the ATAS CVD panel, reset at every daily candle open (or continuous, your choice).

What it shows on your chart

Divergence line	A line from the earlier swing to the new one, wick to wick. It never cuts through a candle on the price chart.
Or a bubble	One bubble at the swing where the divergence completes. Bigger bubble = bigger divergence. Hollow while developing, filled once confirmed.
Four kinds, four colors	Bullish exhaustion and absorption at lows, bearish exhaustion and absorption at highs. Each has its own color, width and style.
Developing (live)	The still-forming divergence of the current leg, faded, updated every tick.
Confirmed	Full color after a chosen number of closed candles without price taking out the swing.
Broken	A confirmed divergence whose swing later gets taken out stays on the chart in the Broken look (dotted line, or a hollow bubble with a cross, color of your choice), so a look back shows it failed.
E / A letters	Optional letters: E = exhaustion, A = absorption. Lowercase while developing, uppercase once confirmed.
Info box	Legend with the four colors and what faded, full, dotted or hollow mean.



The same divergences in the two looks: bubbles on the left, lines on the right. Bearish absorption stacking down the move, then a bearish exhaustion at the last high.

Settings overview

Everything is optional and color-adjustable. Here's what each group controls.

General	What it does
Divergence timeframe	The candles the divergences are measured on: Chart, 5, 15, 30 minutes, 1 or 4 hours. Pick a bigger one to see only the swings of that timeframe, drawn on any smaller chart.
Max swings back	How many earlier swings a new swing is compared with (1 to 10). The biggest divergence that passes every rule wins, one line per swing.
Confirm after (candles)	A divergence turns full color after this many closed candles of the divergence timeframe (1 to 5), counted from the candle after the swing candle.
CVD calculation	Reset each day (at the daily candle open) or Continuous.
Show developing (live)	Draw the still-forming divergence, faded, every tick.

Kinds and colors	What it does
Show exhaustion / absorption	Switch each kind on or off.
Bullish exhaustion	Color, line width and line style (Full, Dashed, Dotted). Default soft blue.
Bullish absorption	Color, width and style. Default blue.
Bearish exhaustion	Color, width and style. Default soft red.
Bearish absorption	Color, width and style. Default red.
Letters and bubbles	What it does
Show letters	E / A letters next to the line or the bubble.
Letter color / size	Color (default grey) and font size of the letters.
Bubbles instead of lines	Off: a line from swing to swing. On: one 3D bubble at the end swing.
Bubble size	Diameter of the biggest bubble. The others scale down with the size of their divergence.
Gap from wick	Space between wick and bubble. Raise it when another indicator puts numbers above the wicks.
Broken and info box	What it does
Show broken divergences	On: a confirmed divergence that gets taken out stays in the Broken look. Off: it is removed.
Broken: color / width / style	The look of a broken divergence. Default grey, normal width, dotted.
Show info box	Legend plus brand mark, one box, bottom left.
Show diagnostics	Normally off. Turn it on only when a line seems missing, take a screenshot and send it with your question.

Getting it right

Check it against the CVD panel	Add the native CVD panel under your chart. The two swings of every line are the two points you would compare there, wick to wick.
Pick the timeframe for the job	Chart mode on a 1-minute chart gives many small divergences. Set the Divergence timeframe to 5 or 15 minutes to keep only the structural ones, drawn on the same chart.
Confirmed is not forever	A confirmed line can still be taken out hours later. With Show broken divergences on, it stays as a dotted line in the Broken color, so the story of the day is still readable.
Numbers under candles	The line uses the CVD extreme of the swing (wick, up to a few candles before it). The number under the exact swing candle can look a bit less extreme. The panel swing is the reference.