The v.buffer processing algorithm has an option "Name of column to use for buffer distances". This option is useless, because grass requires a "layer" to be specified (e.g. "1", when the default is "-1", which means all layers), and as far as I can see the processing algorithm does not allow to specify the layer.

See output below.

```plaintext
... C:\PROGRA~1\QGIS3\1.2\bin\v.buffer input=vector_5b44604f92e7116 type="point,line,area" angle=0 column=cat scale=1 tolerance=0.01 -t output=outputae6bb217e084496cabf18ac4d297ed04 --overwrite
ERROR: The bufcol option requires a valid layer.

C:\PROGRA~1\QGIS3\1.2\bin\v.out.ogr -c type="auto" input="outputae6bb217e084496cabf18ac4d297ed04" output="C:\Users\alistair\AppData\Local\Temp\processing_c1fa50c12d554ca1a564704b76c206c36818b4836744d33b763fed661144855d61144855\output.shp" format="ESRI_Shapefile" --overwrite
ERROR: Vector map <outputae6bb217e084496cabf18ac4d297ed04> not found
...

P.S. the option isn't actually "bufcol" as printed in the error message - I guess that is an upstream copy/paste error from when the GRASS team were messing around with different versions of v.buffer.
```
[processing] fix GRASS v.buffer algorithm for case when buffer distance is taken from the field (fix #19377)

(cherry picked from commit bfb60e4dc70310eae0e3b2ef9200c3b78164c6f4)

**History**

**#1 - 2018-12-05 04:45 AM - Alister Hood**
- Regression? changed from No to Yes
- Priority changed from Normal to High

Actually, this is a regression, because 2.18.x has a working v.buffer.column algorithm. Still a problem in 3.4.2

**#2 - 2018-12-06 10:44 AM - Giovanni Manghi**
- Assignee set to Giovanni Manghi
- Affected QGIS version changed from 3.2 to 3.5(master)

**#3 - 2019-01-24 08:06 PM - Alexander Bruy**
- Status changed from Open to In Progress
- Pull Request or Patch supplied changed from No to Yes
- Assignee changed from Giovanni Manghi to Alexander Bruy

PR [https://github.com/qgis/QGIS/pull/8973](https://github.com/qgis/QGIS/pull/8973)

- Status changed from In Progress to Closed
- % Done changed from 0 to 100

Applied in changeset commit:qgis|bf60e4dc70310eae0e3b2ef9200c3b78164c6f4.

**#5 - 2019-01-25 12:02 PM - Alexander Bruy**
- Resolution set to fixed/implemented