Exploring Data with Visuals Quiz

Use the space below to explore `powerplant_data_edited.csv` to answer the quiz questions below.

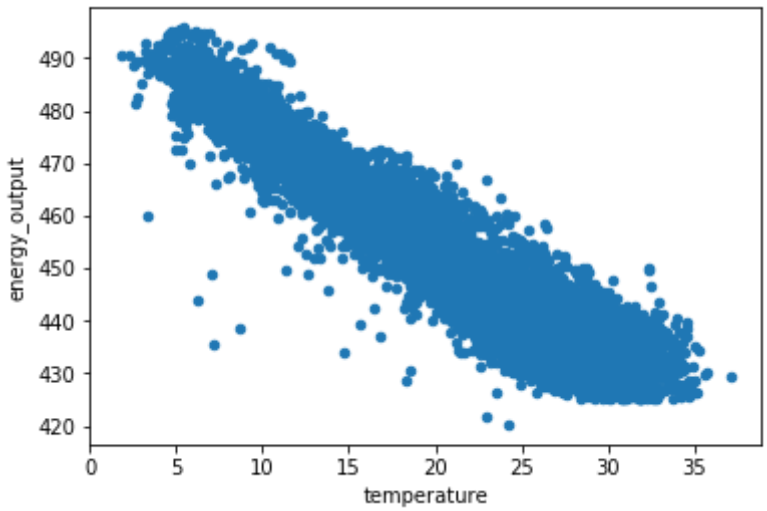
In [1]:
```
# imports and load data
import pandas as pd
% matplotlib inline

df = pd.read_csv('powerplant_data_edited.csv')
df.head()
```

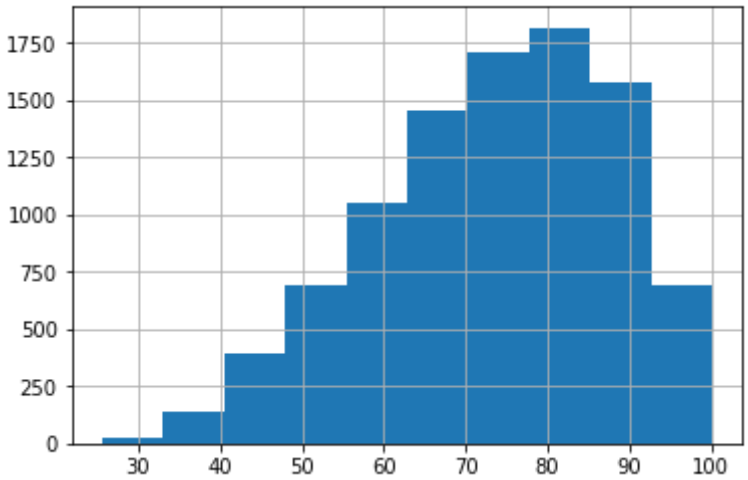
Out[1]:

	temperature	exhaust_vacuum	pressure	humidity	energy_output
0	8.34	40.77	1010.84	90.01	480.48
1	23.64	58.49	1011.40	74.20	445.75
2	29.74	56.90	1007.15	41.91	438.76
3	19.07	49.69	1007.22	76.79	453.09
4	11.80	40.66	1017.13	97.20	464.43

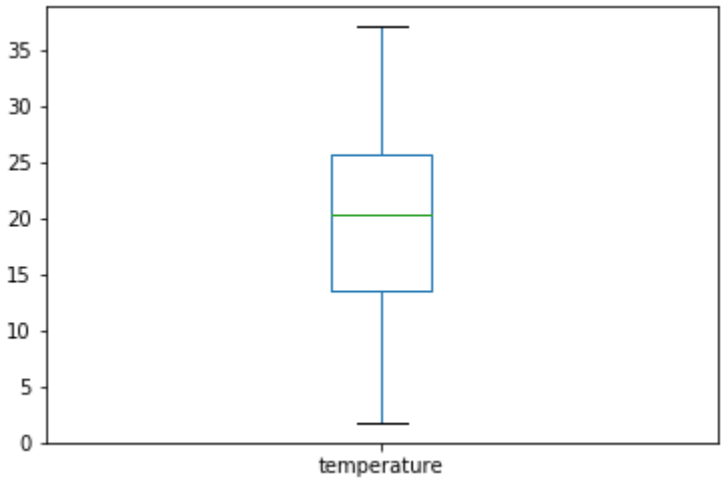
In [2]:
```
# plot relationship between temperature and electrical output
df.plot(x='temperature', y='energy_output', kind='scatter');
```



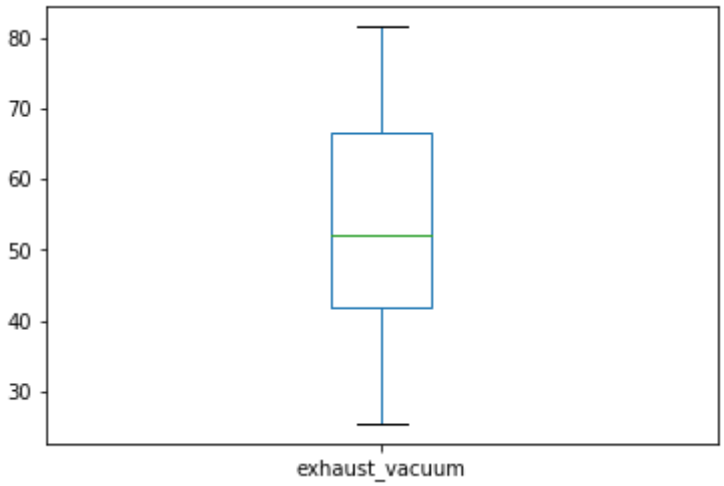
In [3]:
```
# plot distribution of humidity
df['humidity'].hist();
```



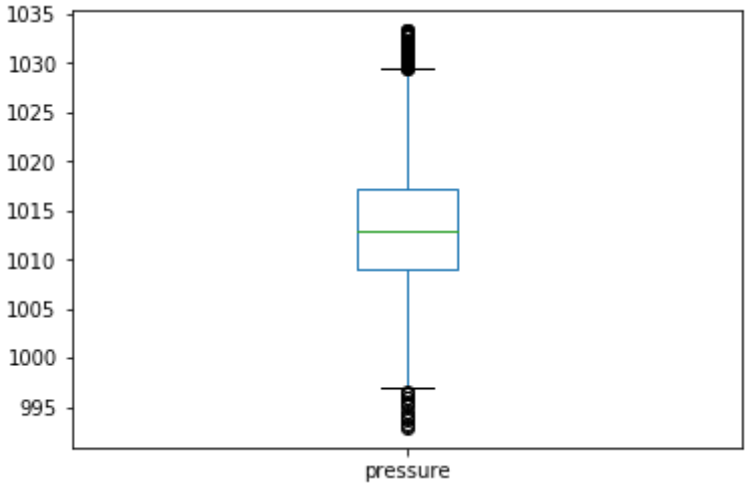
In [4]:
```
# plot box plots for each variable
df['temperature'].plot(kind='box');
```



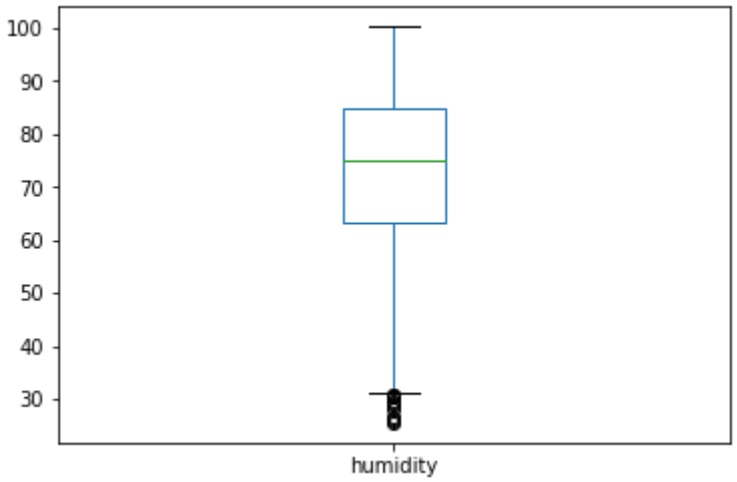
In [5]:
```
df['exhaust_vacuum'].plot(kind='box');
```



In [6]:
```
df['pressure'].plot(kind='box');
```



In [7]:
```
df['humidity'].plot(kind='box');
```



In [8]:
```
df['energy_output'].plot(kind='box');
```