

Figure 1

Schematic printer structure

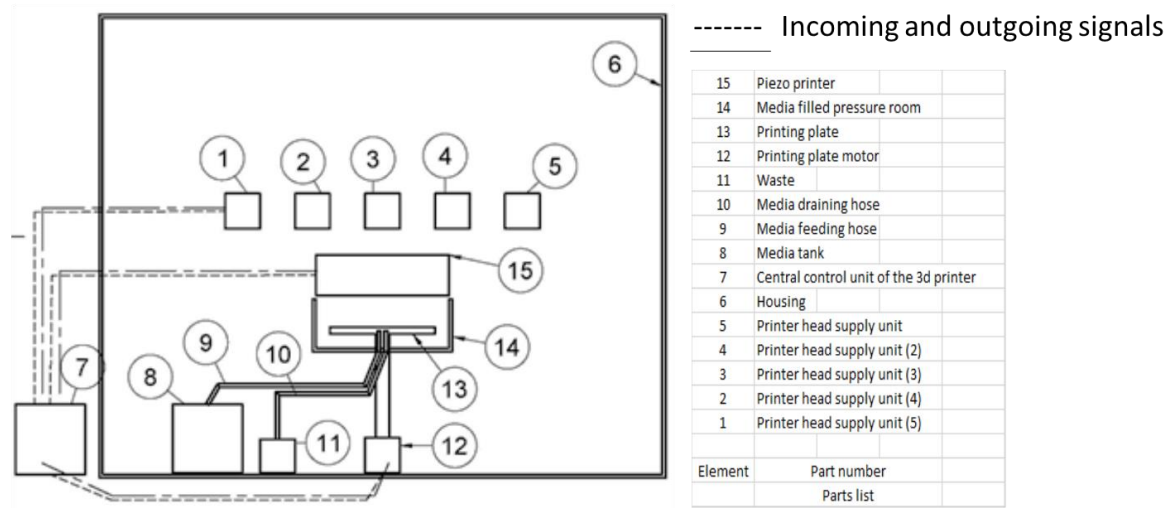
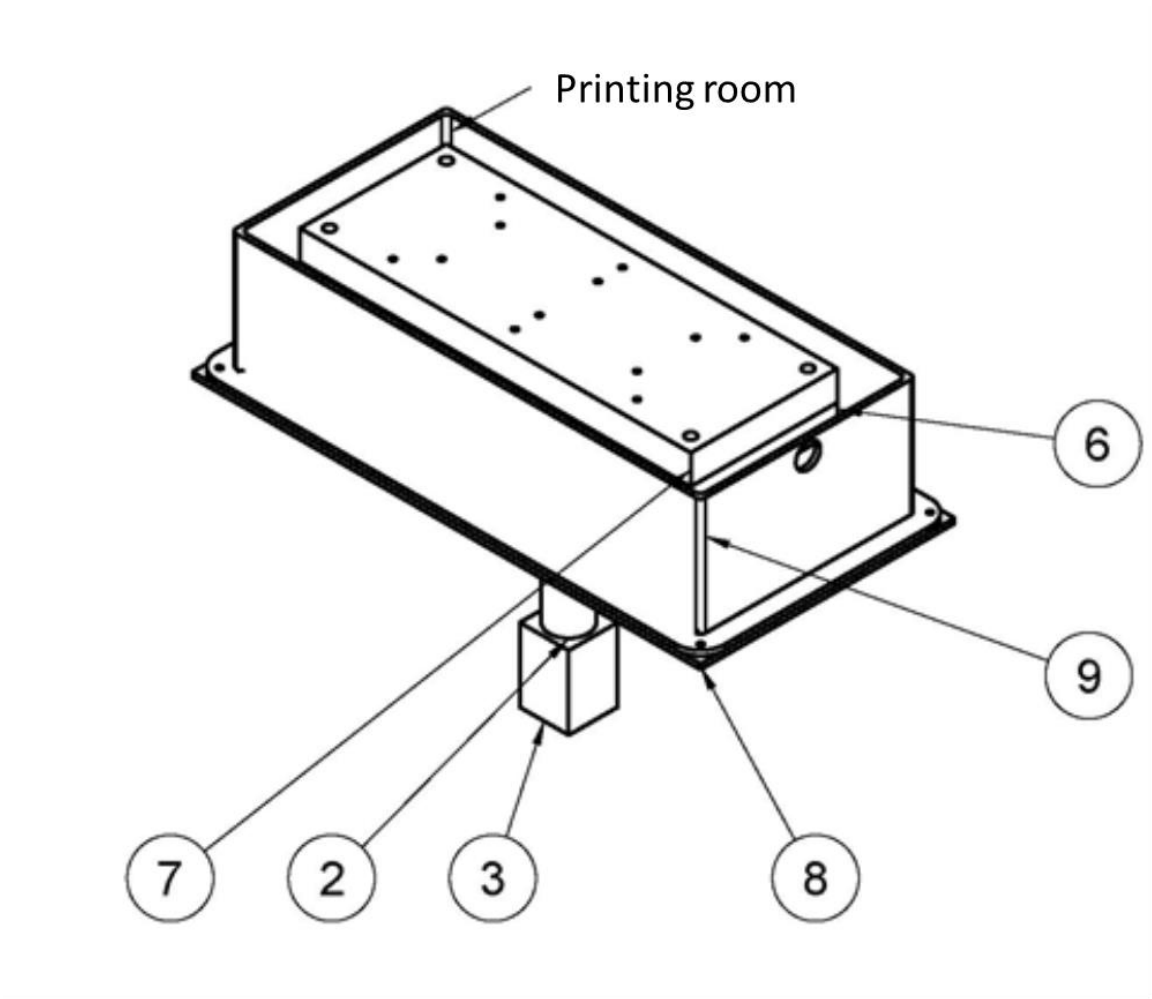
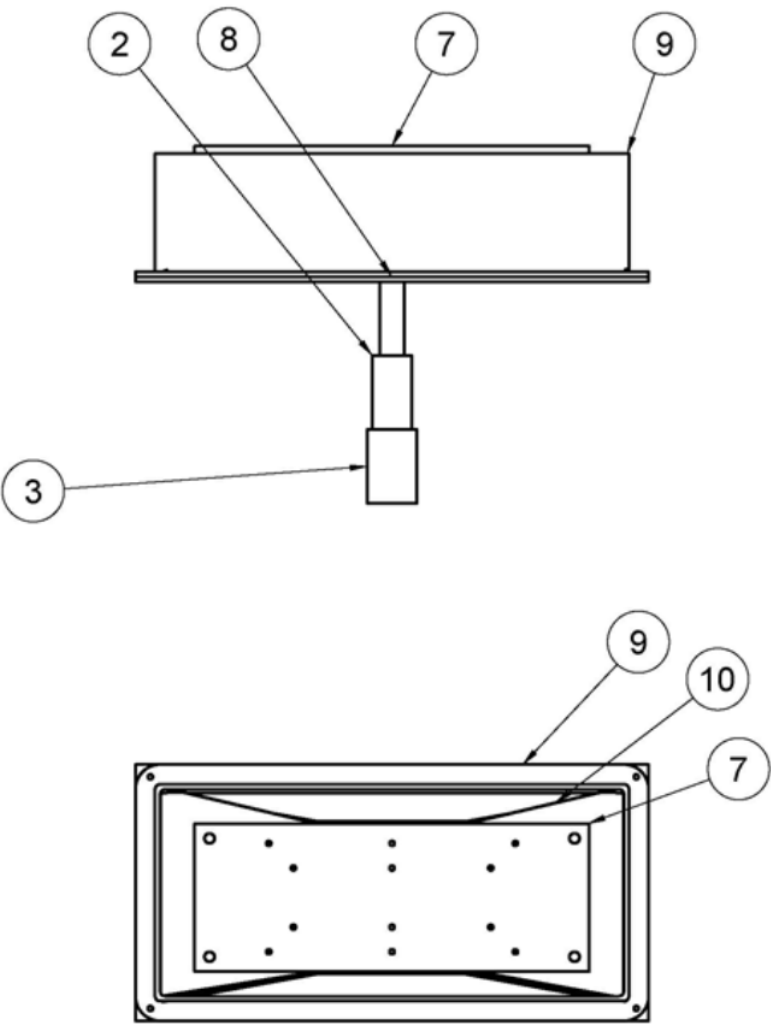


Figure 2



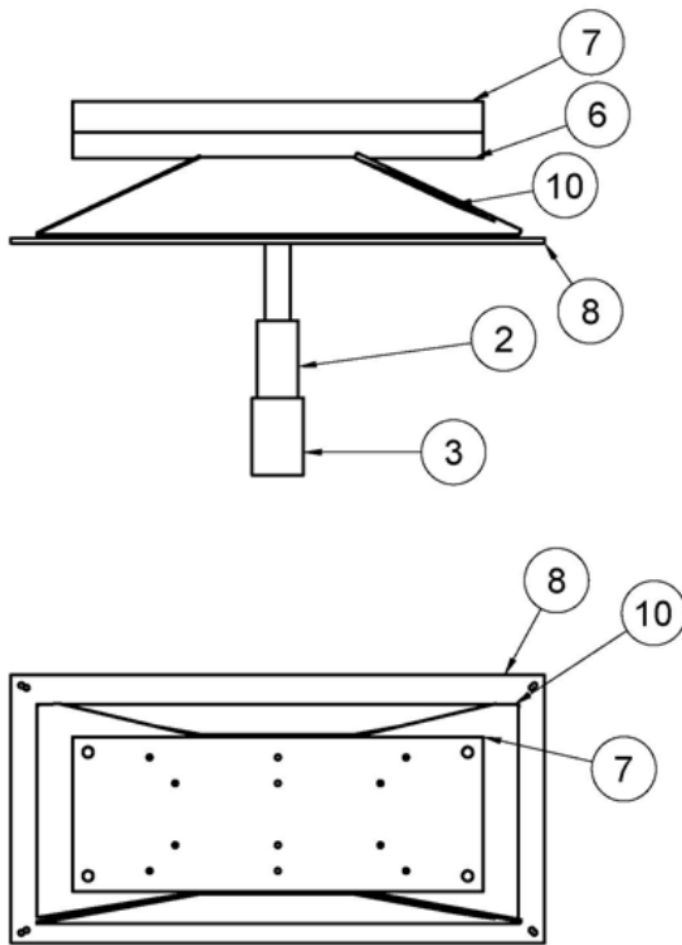
10	Silicone mat
9	Pressure chamber wall (frame)
8	Base plate for pressure chamber
7	Printing plate
6	Printer table
5	Printer table foot
4	Magnetic plate
3	Step motor
2	Micrometer screw
1	Medium inlet and outlet
Element	Part number
Parts list	

Figure 3



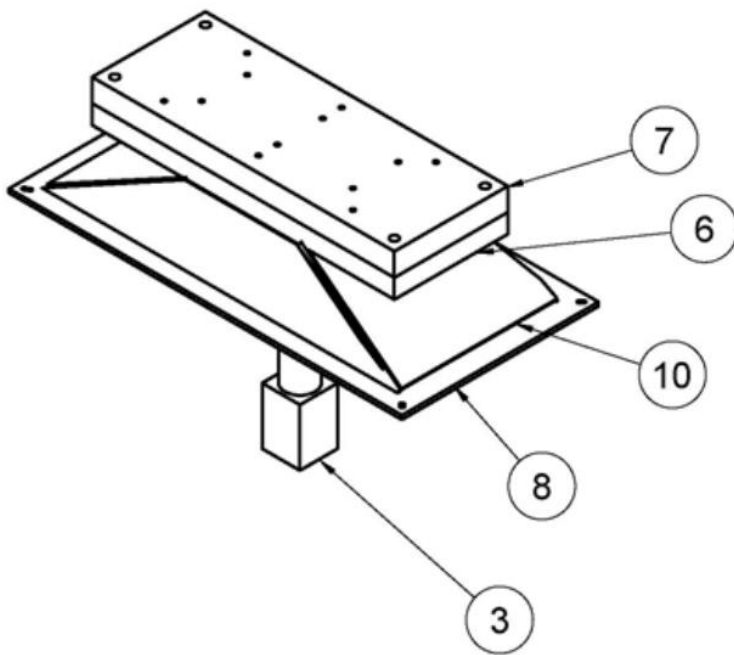
10	Silicone mat
9	Pressure chamber wall (frame)
8	Base plate for pressure chamber
7	Printing plate
6	Printer table
5	Printer table foot
4	Magnetic plate
3	Step motor
2	Micrometer screw
1	Medium inlet and outlet

Figure 4



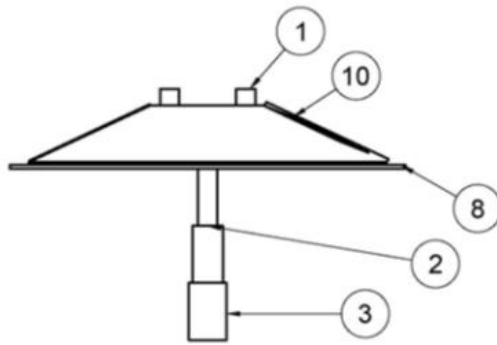
10	Silicone mat
9	Pressure chamber wall (frame)
8	Base plate for pressure chamber
7	Printing plate
6	Printer table
5	Printer table foot
4	Magnetic plate
3	Step motor
2	Micrometer screw
1	Medium inlet and outlet

Figure 5



10	Silicone mat
8	Base plate for pressure chamber
7	Printing plate
6	Printer table
3	Step motor

Figure 6



10	Silicone mat
8	Base plate for pressure chamber
3	Step motor
2	Micrometer screw
1	Medium inlet and outlet

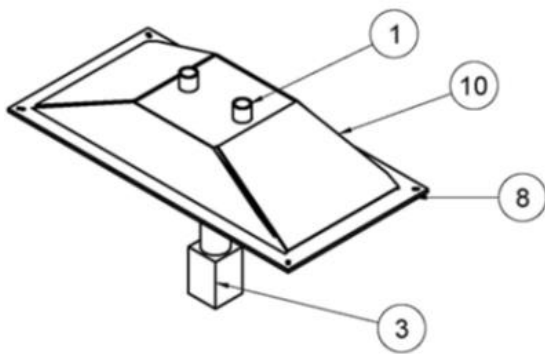


Figure 7

7	Printer plate
1	Medium inlet and outlet

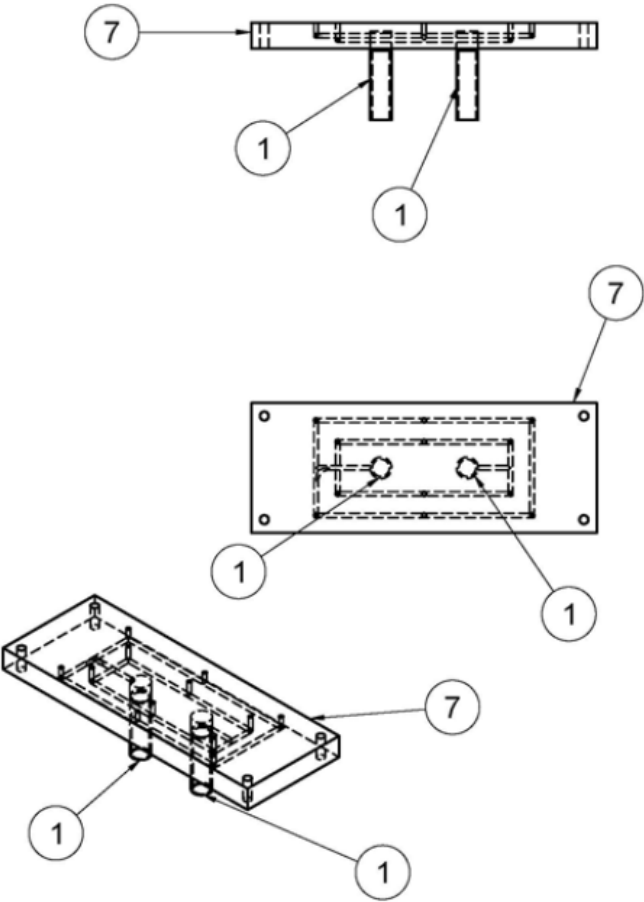
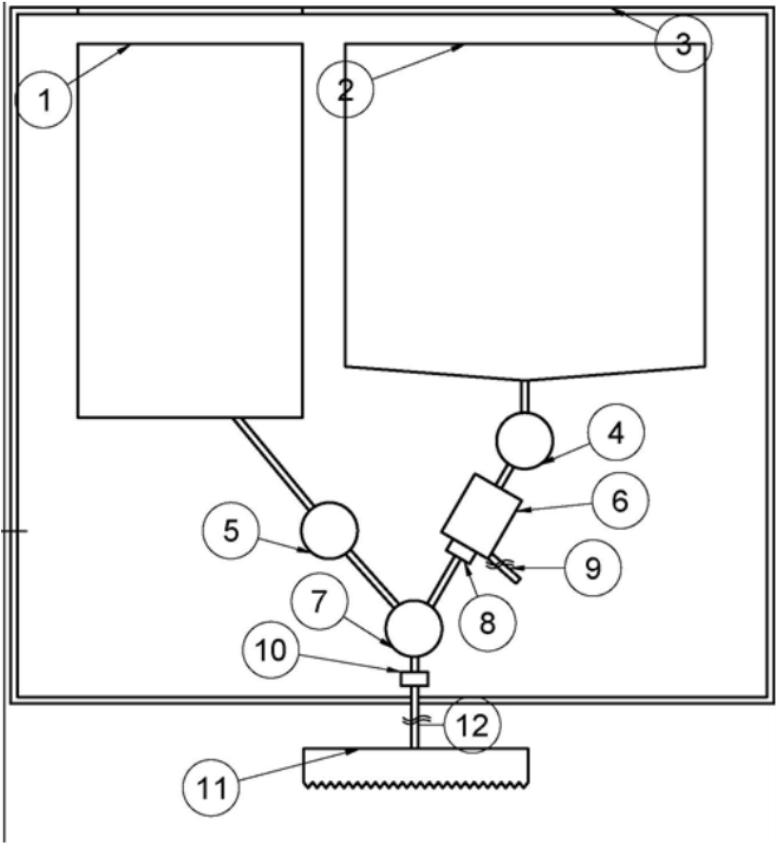


Figure 8

Printhead supply unit



12	Ink supply
11	Piezo print head
10	Cell counter
9	Discharge hose (ink)
8	Cell counter
7	Mixing unit
6	Cell concentrator
5	Pump (1)
4	Pump
3	Enclosure
2	Cell tank
1	Container for ink concentrate

Figure 9

Decanter

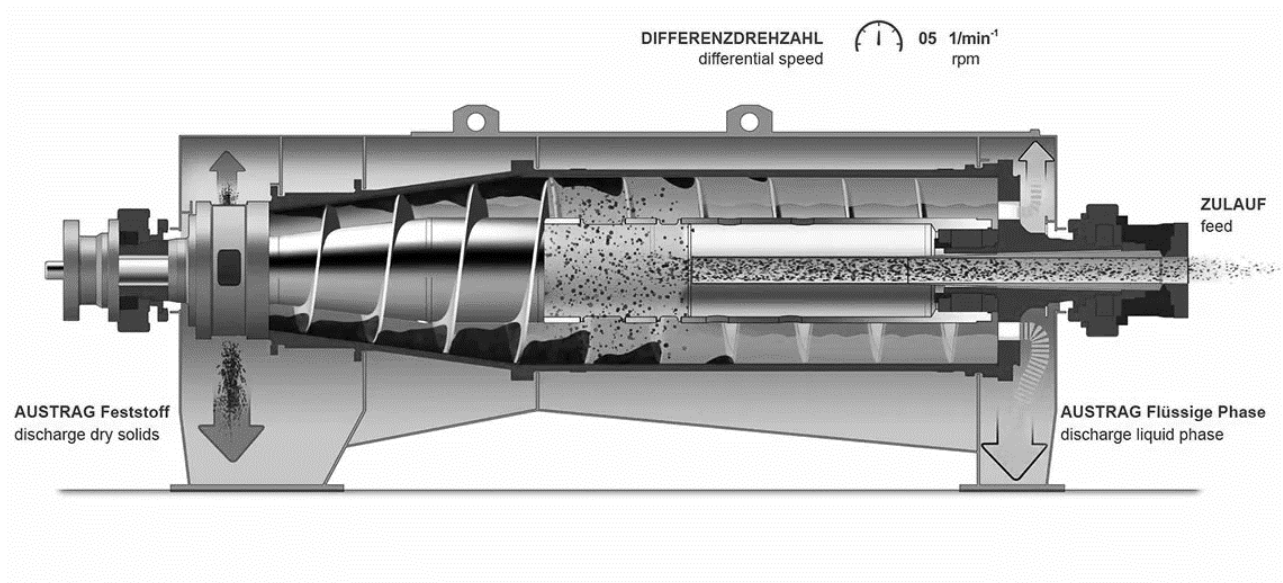


Figure 10

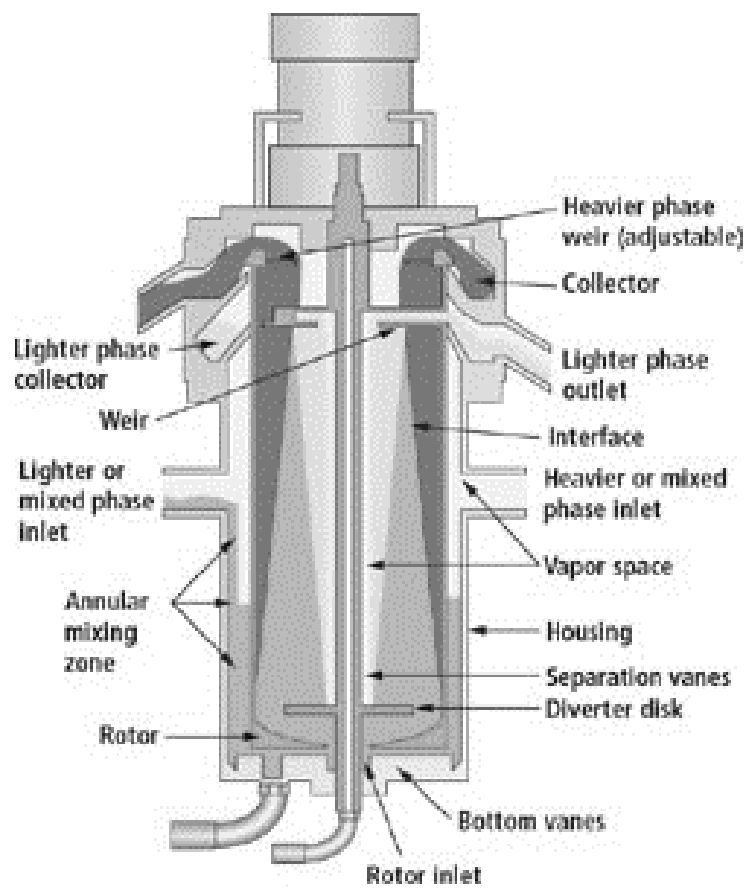


Figure 11

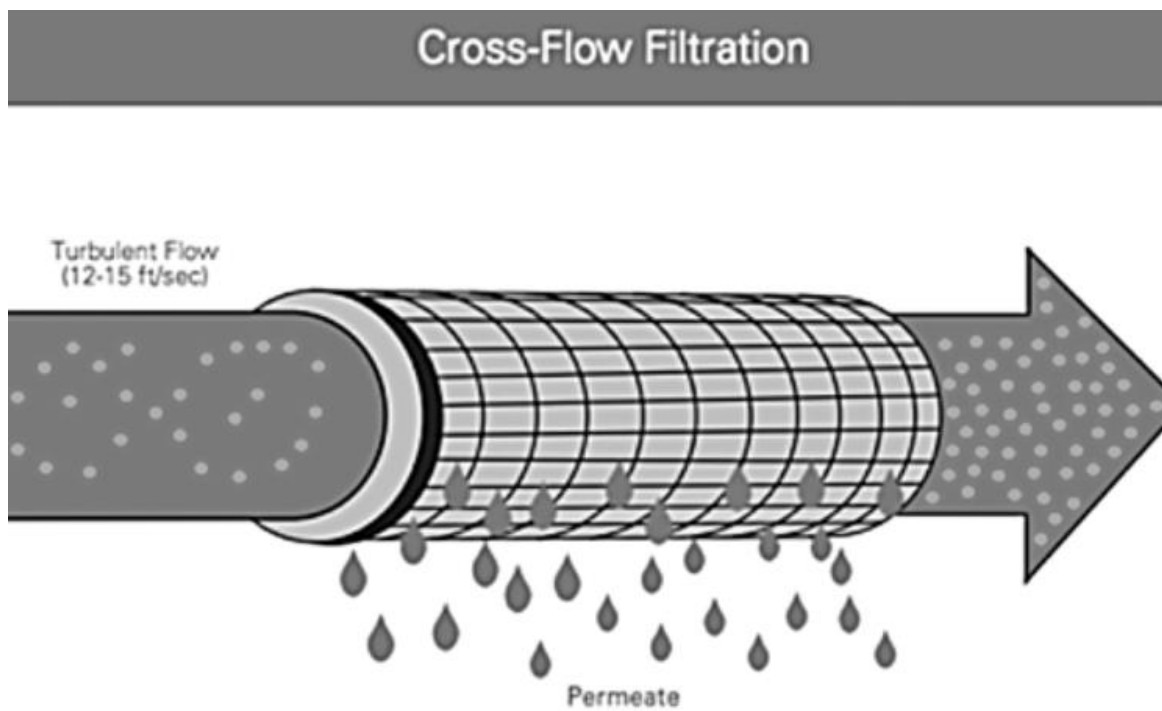


Figure 12

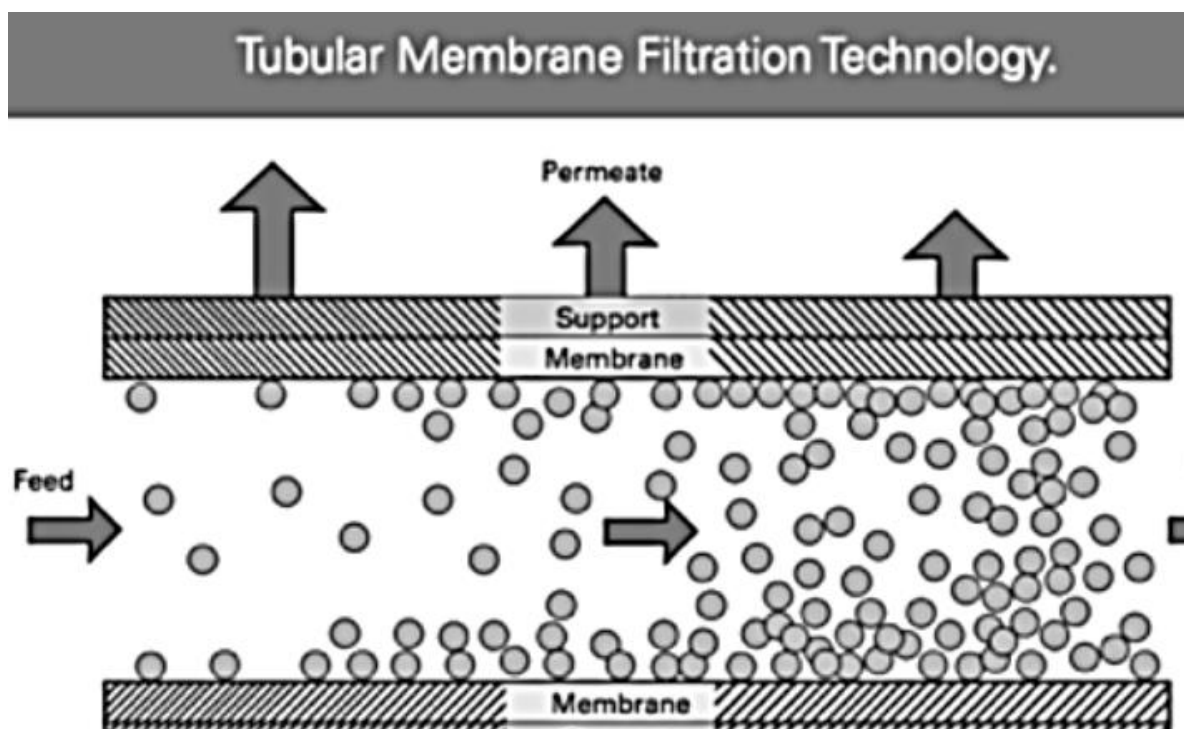


Figure 13

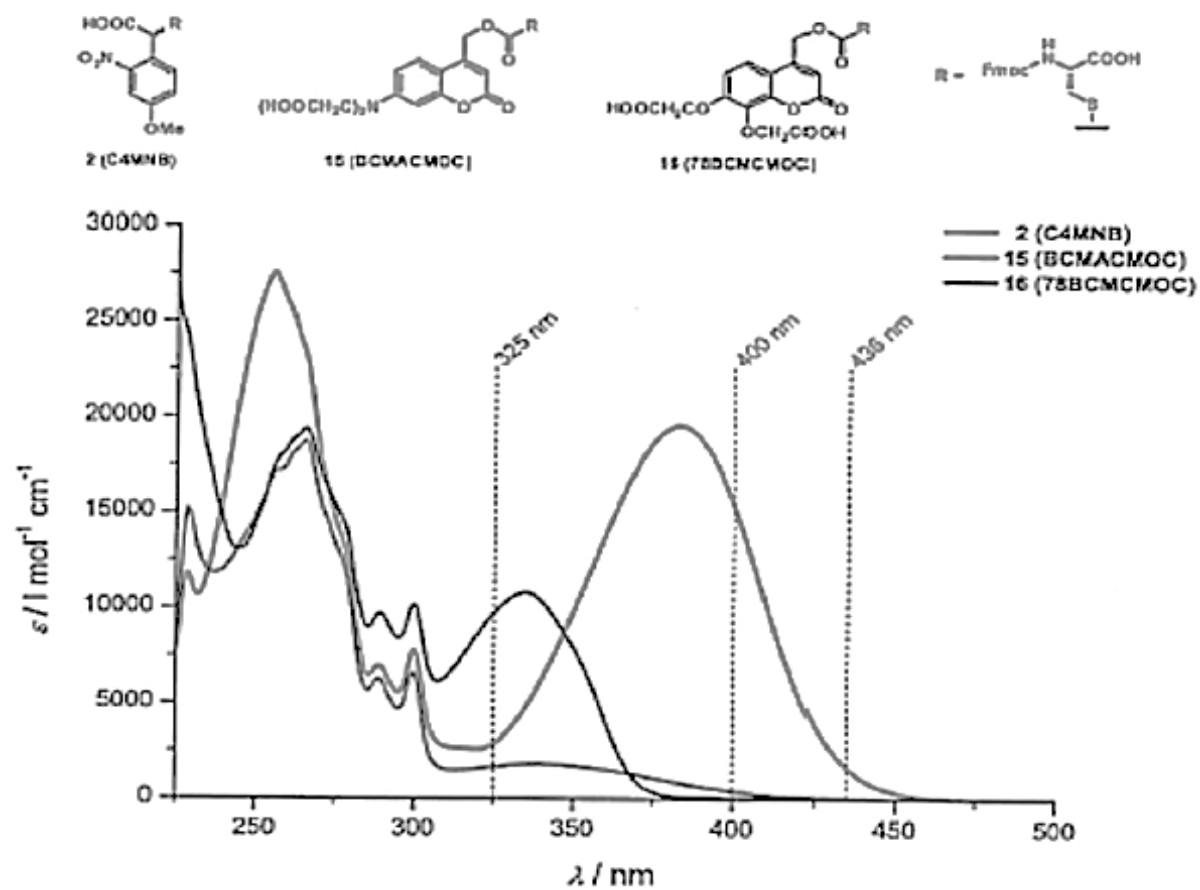
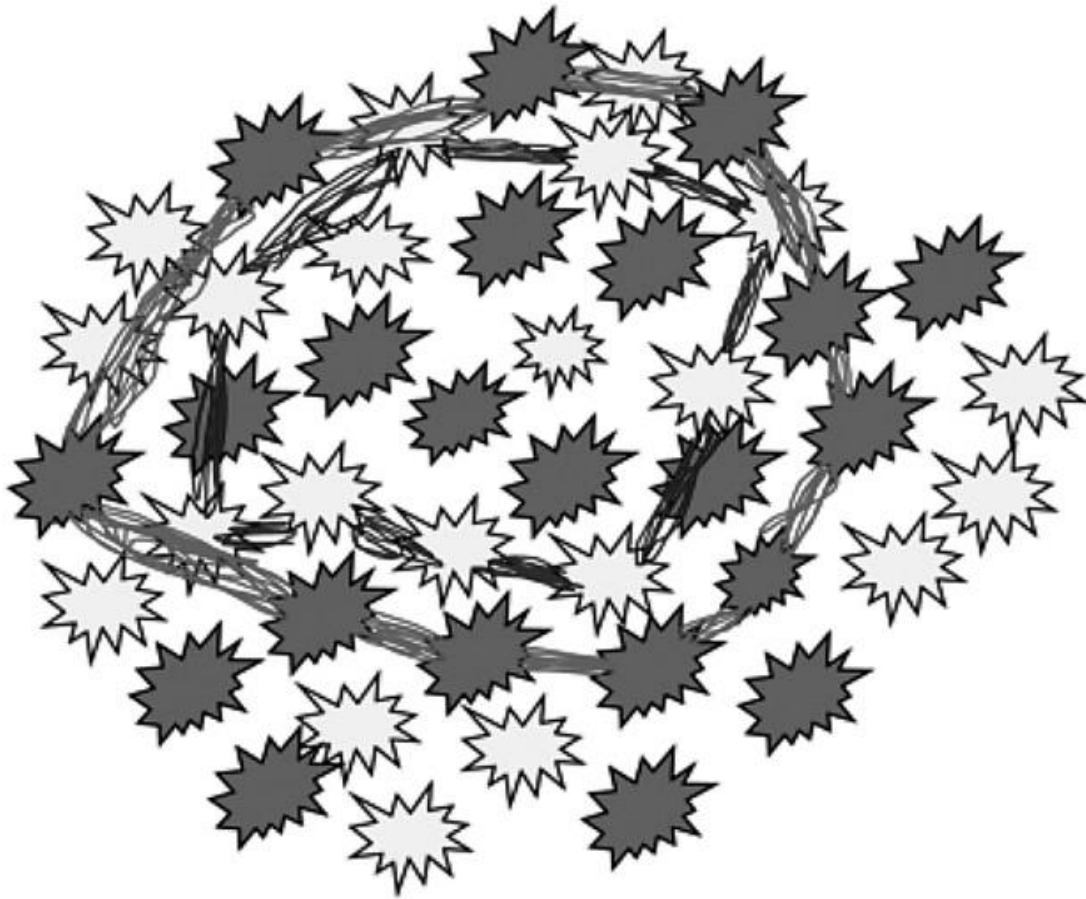


Figure 14



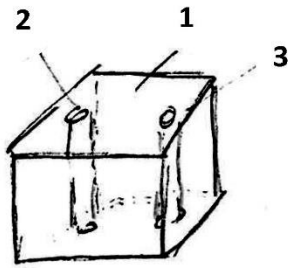


Figure 15A

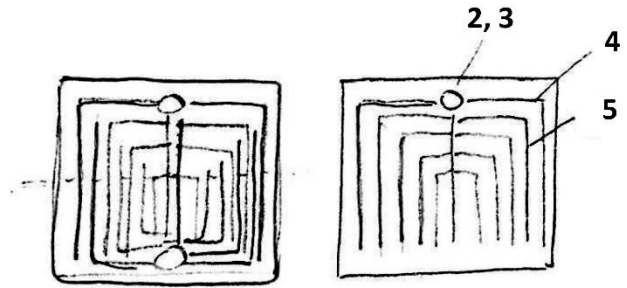


Figure 15B

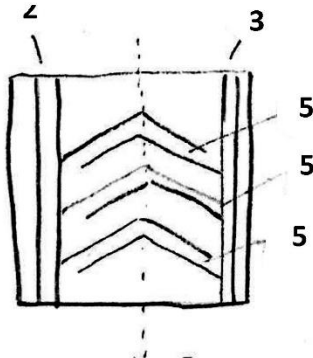


Figure 15C

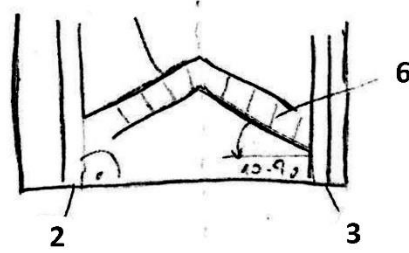


Figure 15D

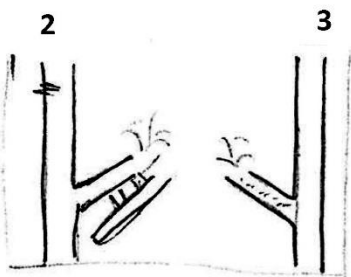


Figure 15E

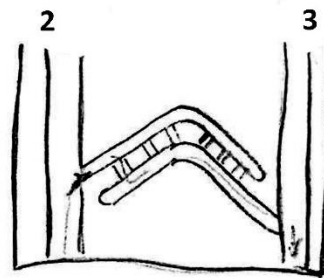


Figure 15F

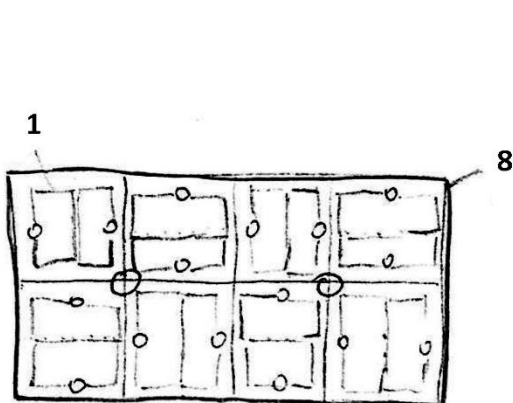


Figure 15G

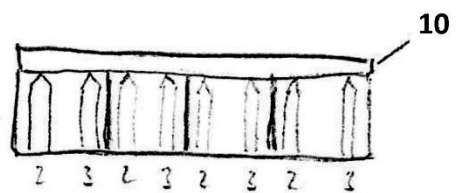


Figure 15H

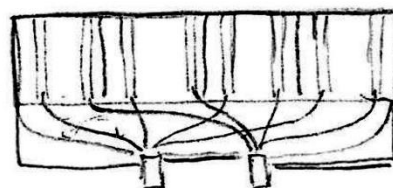
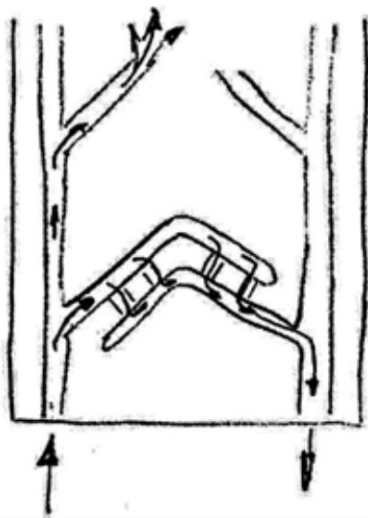
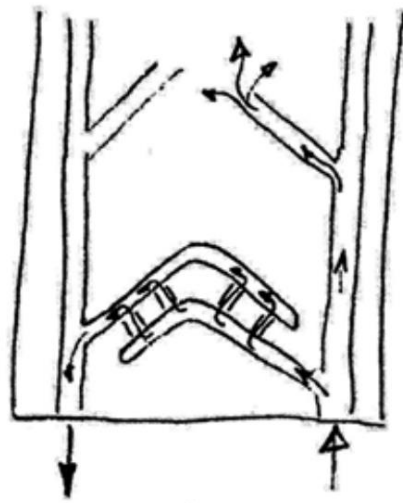


Figure 15I

Figure 16



ascending flushing
direction



descending flushing
direction

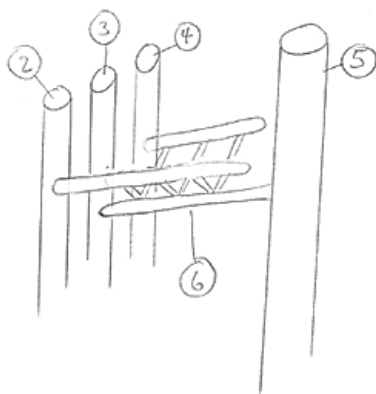
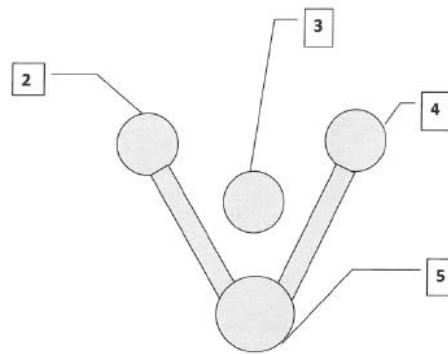
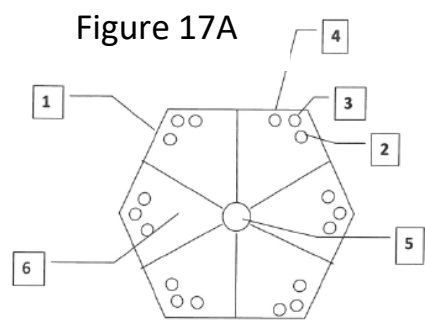


Figure 17C

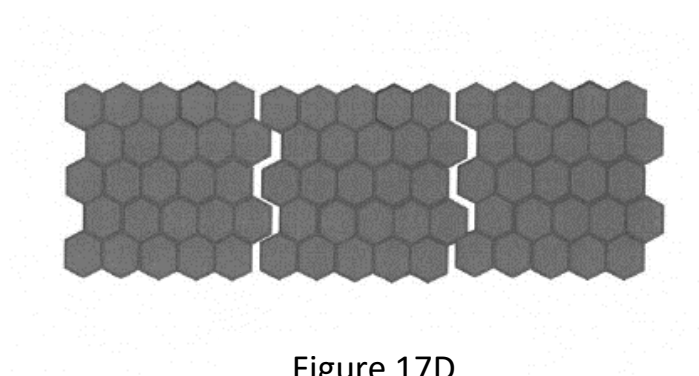


Figure 17D

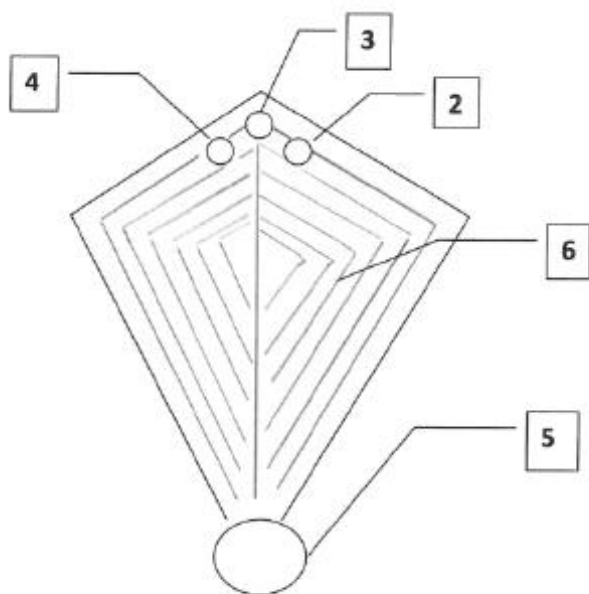


Figure 17E

Figure 18

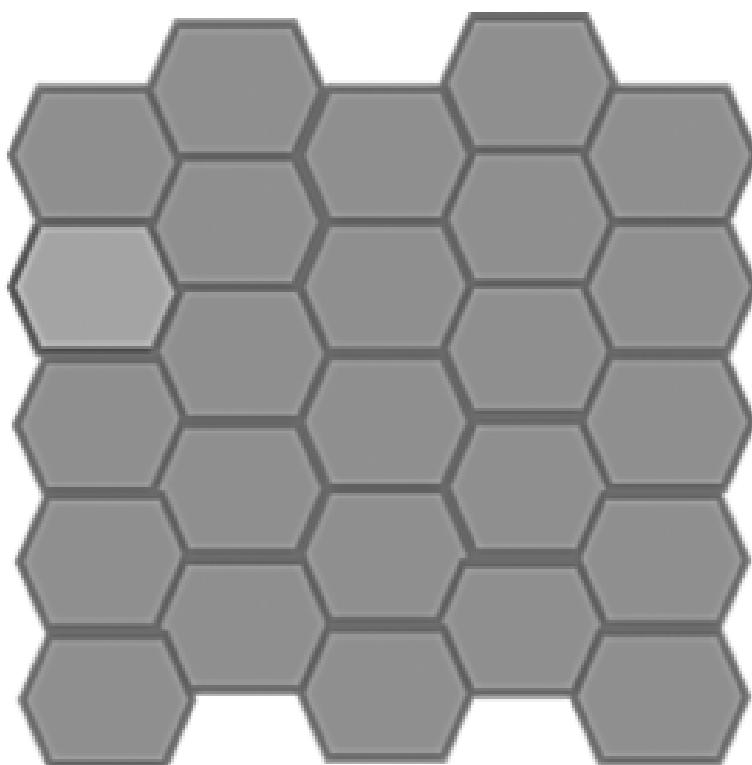
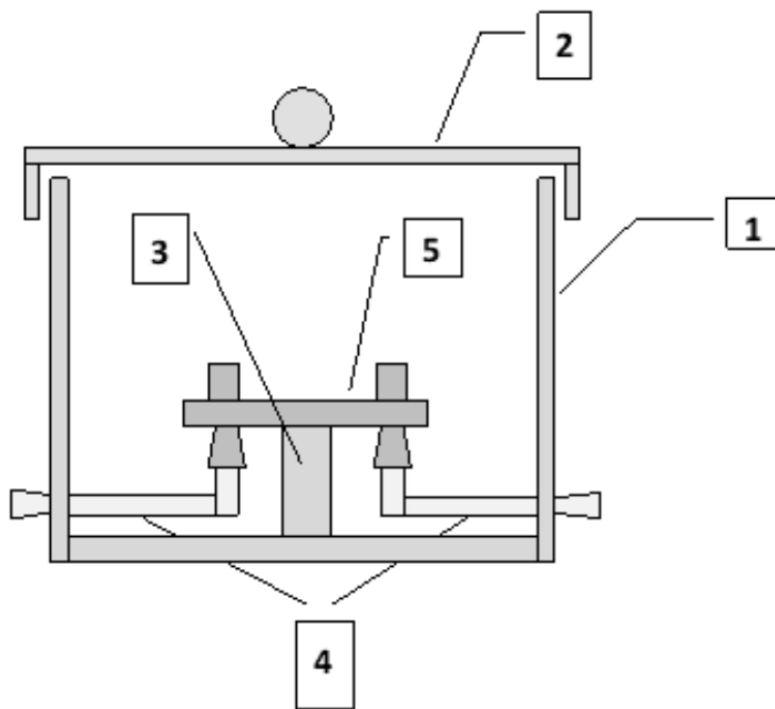


Figure 19

Tissue incubator



- 1 Medium tank
- 2 Lid
- 3 Foot
- 4 Medium inlet and outlet
- 5 Printer table foot

Figure 20

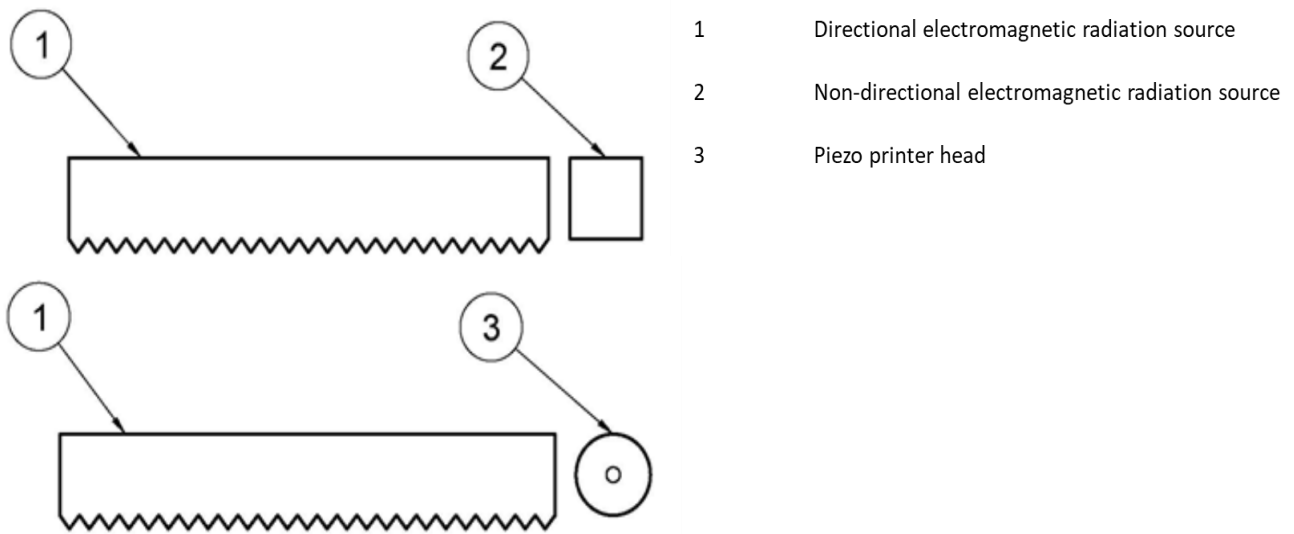
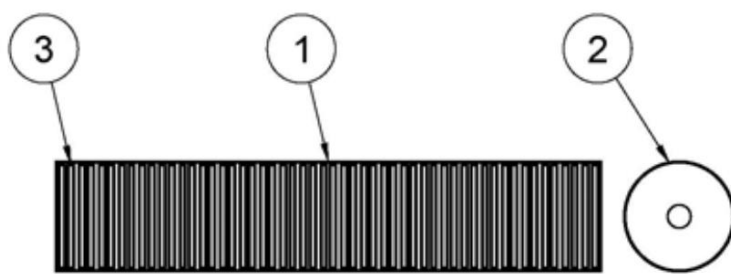


Figure 21



- 3 Piezo nozzle row
- 2 Directional electromagnetic radiation source
- 1 Piezo printer head