

**CHECK-VALVE FILTERS**

VED series check-valve filters are specially designed for 3/8" flanged nozzles. VED filters contain a one-way ball valve to avoid dripping when spray is turned off. They also serve to protect the nozzle tips. We recommend to assemble check-valve filters on small capacity nozzles to avoid clogging and enhance their performance.

- **Opening pressure** 0.35, 0.70, 1.40, 2.00, 2.80 bar
  - **Wire net mesh size** 50, 80, 100 mesh
  - **Materials** Body
    - B1** AISI 303 Stainless steel
    - B31** AISI 316L Stainless steel
    - D3** Nylon
    - T1** Brass
    - B2** AISI 304 Stainless steel
- Wire net

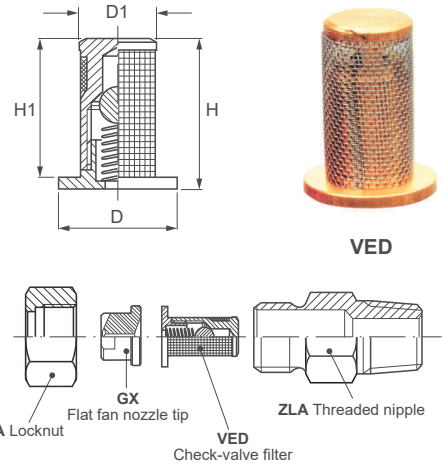






Table for body material: **AISI 303, AISI 316L, brass**

Code	D mm	D1 mm	H mm	H1 mm	M mesh	Opening bar
VED 0138 xxA	15.0	10.0	20.0	18.5	100	0.35
VED 0238 xxA	15.0	10.0	20.0	18.5	80	0.35
VED 0338 xxA	15.0	10.0	20.0	18.5	50	0.35
VED 0138 xxB	15.0	10.0	20.0	18.5	100	0.70
VED 0238 xxB	15.0	10.0	20.0	18.5	80	0.70
VED 0338 xxB	15.0	10.0	20.0	18.5	50	0.70
VED 0138 xxC	15.0	10.0	20.0	18.5	100	1.40
VED 0238 xxC	15.0	10.0	20.0	18.5	80	1.40
VED 0338 xxC	15.0	10.0	20.0	18.5	50	1.40
VED 0138 xxD	15.0	10.0	20.0	18.5	100	2.80
VED 0238 xxD	15.0	10.0	20.0	18.5	80	2.80
VED 0338 xxD	15.0	10.0	20.0	18.5	50	2.80

Table for body material: **nylon**

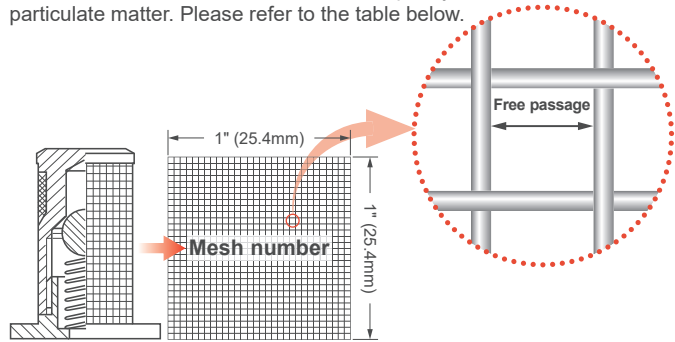
Code	D mm	D1 mm	H mm	H1 mm	M mesh	Opening bar
VED 0138 xxB	15.0	10.0	20.0	18.5	100	0.70
VED 0238 xxB	15.0	10.0	20.0	18.5	80	0.70
VED 0338 xxB	15.0	10.0	20.0	18.5	50	0.70
VED 0138 xxE	15.0	10.0	20.0	18.5	100	2.00
VED 0338 xxE	15.0	10.0	20.0	18.5	50	2.00

We offer a large assortment of VE series filters for your convenience. Please refer to below table.

Code	VEC	VED	VEF	VEA
<b>Appearance</b>				
	Flanged	Check-valve	Threaded	Hat
<b>B1</b> AISI 303	•	•	•	
<b>B31</b> AISI 316L	•	•	•	
<b>D3</b> Nylon	•	•		
<b>T1</b> Brass	•	•	•	
<b>T9</b> Copper				•

**CARTRIDGE SIZE TABLE**

To figure out mesh sizes one has to count the number of openings from the centre of any one wire to the centre of a parallel wire one inch away. The number of openings in a filter cartridge is the mesh size. We highly recommend to add filters to small capacity nozzles to hold fine particulate matter. Please refer to the table below.



**HOW TO CHOSE THE PROPER FILTER ?**

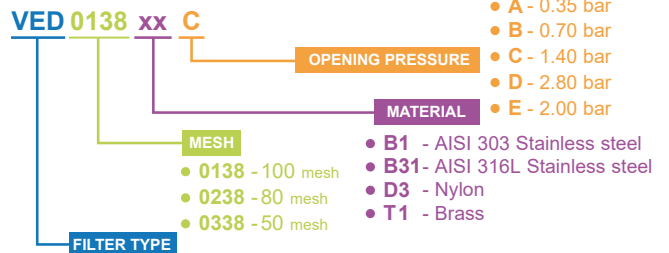
The largest filter free passage < nozzle orifice

Mesh number	Free passage mm
30 - 32	0.6 - 0.58
50	0.3
60	0.25
75	0.2
80	0.18
100	0.15
150	0.1
200	0.075

If the nozzle tip diameter is 0.3 mm, we suggest you to choose a 60 mesh filter or more (free passage 0.25 mm). Please consider that the higher is the number of mesh, the greater is the filtering power.

**HOW TO MAKE UP THE FILTER CODE**

EX.: VED 0138 B1C



- **A** - 0.35 bar
- **B** - 0.70 bar
- **C** - 1.40 bar
- **D** - 2.80 bar
- **E** - 2.00 bar
- **B1** - AISI 303 Stainless steel
- **B31** - AISI 316L Stainless steel
- **D3** - Nylon
- **T1** - Brass