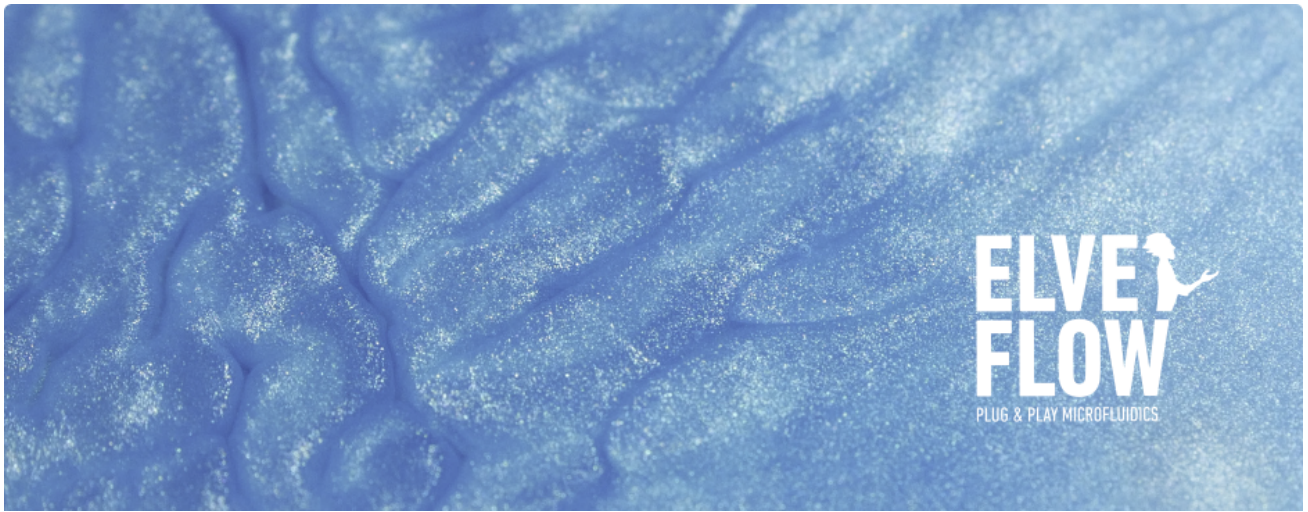
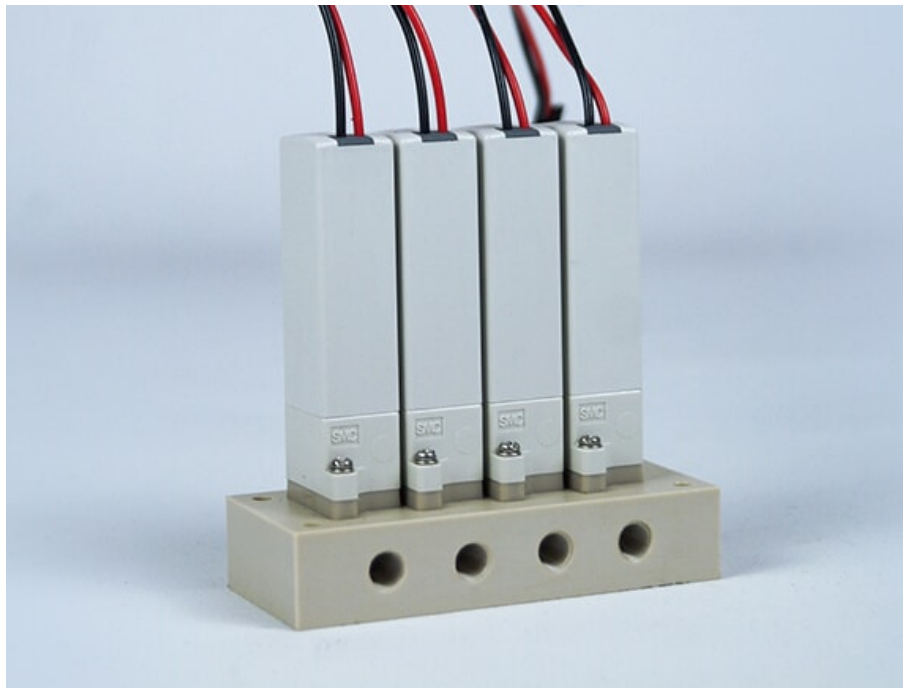




ADVANCED VALVES MANIFOLDS DATASHEET



Elveflow Advanced Valves manifolds splits up or merges liquid and gas. Two options available: a manifold 3 to 1 and a manifold 4 to 1. Compatible with the Advanced 2/2 NC Low Pressure valves.

Table of content

General specifications..... 3

Dimensional drawing.....4

 Manifold 3-1..... 4

 Manifold only..... 4

 Manifold with mounted valves.....5

 Manifold 4-1..... 5

 Manifold only..... 5

 Manifold and mounted valves..... 6

General specifications

Manifold type	Manifold 3-1	Manifold 4-1
Dimensions manifold (mm)	60 x 15 x 30 mm	72 x 15 x 30 mm
Dimensions with valves (mm)	60 x 72 x 30 mm	72 x 72 x 30 mm
Weight (g)	128 g	170 g
Number of valves	3	4
Valves type	Advanced 2/2 NC Low Pressure valve	Advanced 2/2 NC Low Pressure valve
Valves connection type	24V DC (2 wires)	24V DC (2 wires)
Wetted materials	PEEK, FKM	PEEK, FKM
Maximum supported pressure (bar)	2.5 bar	2.5 bar
Fluidic connectors	Standard 1/4-28 UNF, flat-bottom	Standard 1/4-28 UNF, flat-bottom
Dead volume (1)	None	None
Internal diameter (mm)	1 mm	1 mm
Maximum internal volume (2)	62 µL	72 µL
Mounting orientation (3)	Vertical recommended	Vertical recommended

(1) Volume that is stuck in the system (dead end), which is not clearly swept and relies on diffusion to clear out.

(2) Volume inside the system from entrance to exit, taken from the common port to the furthest port for maximum.

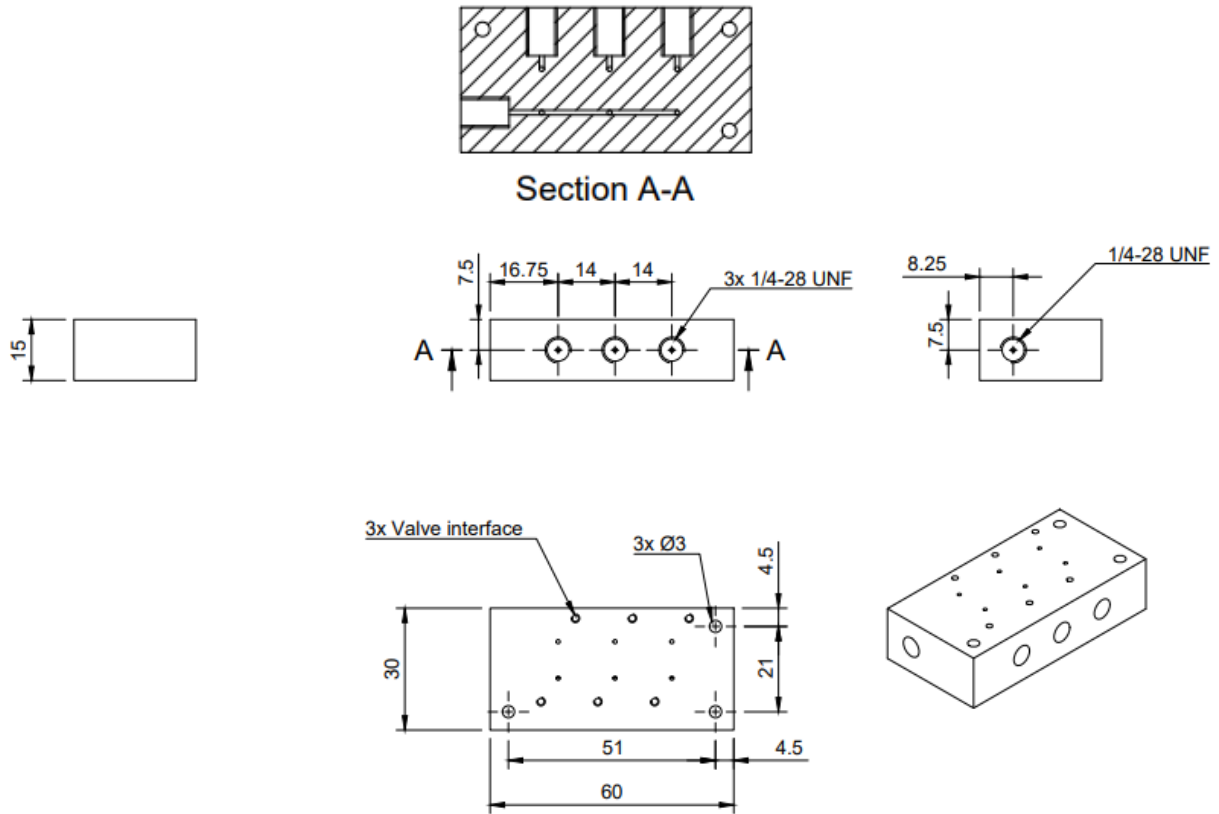
(3) Since the body (orifice shape) is designed to eliminate residual liquid, mounting in a vertical direction with the coil at the top is recommended. When residual liquid is not considered, any mounting orientation is available.

Dimensional drawing

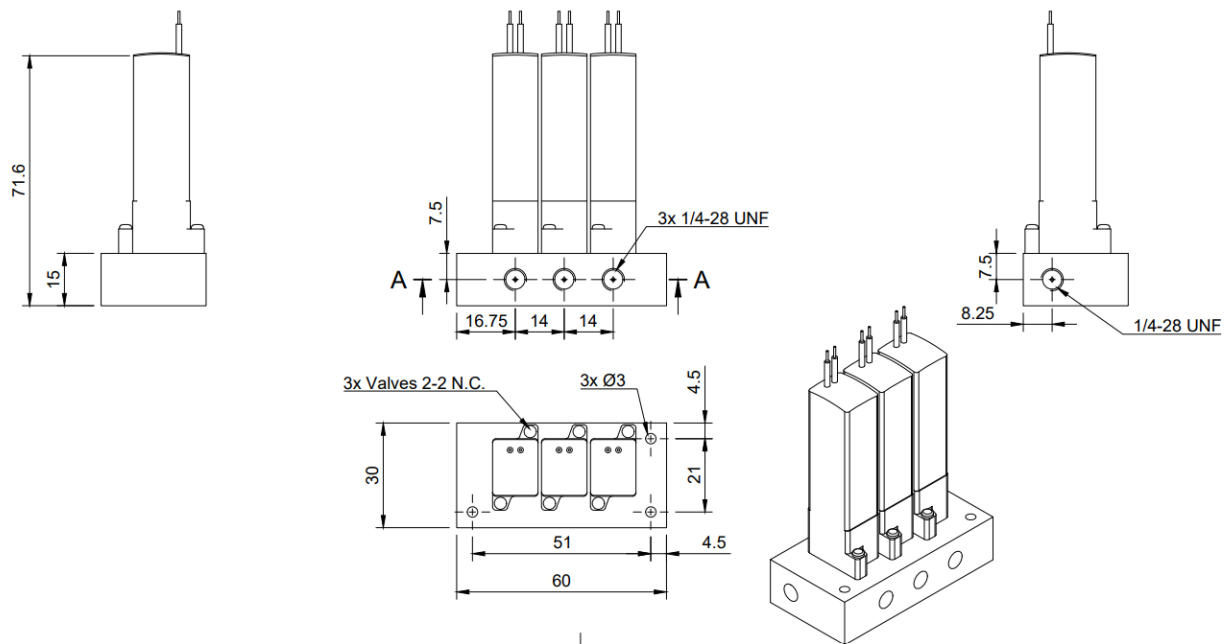
(Dimensions in mm)

Manifold 3-1

Manifold only

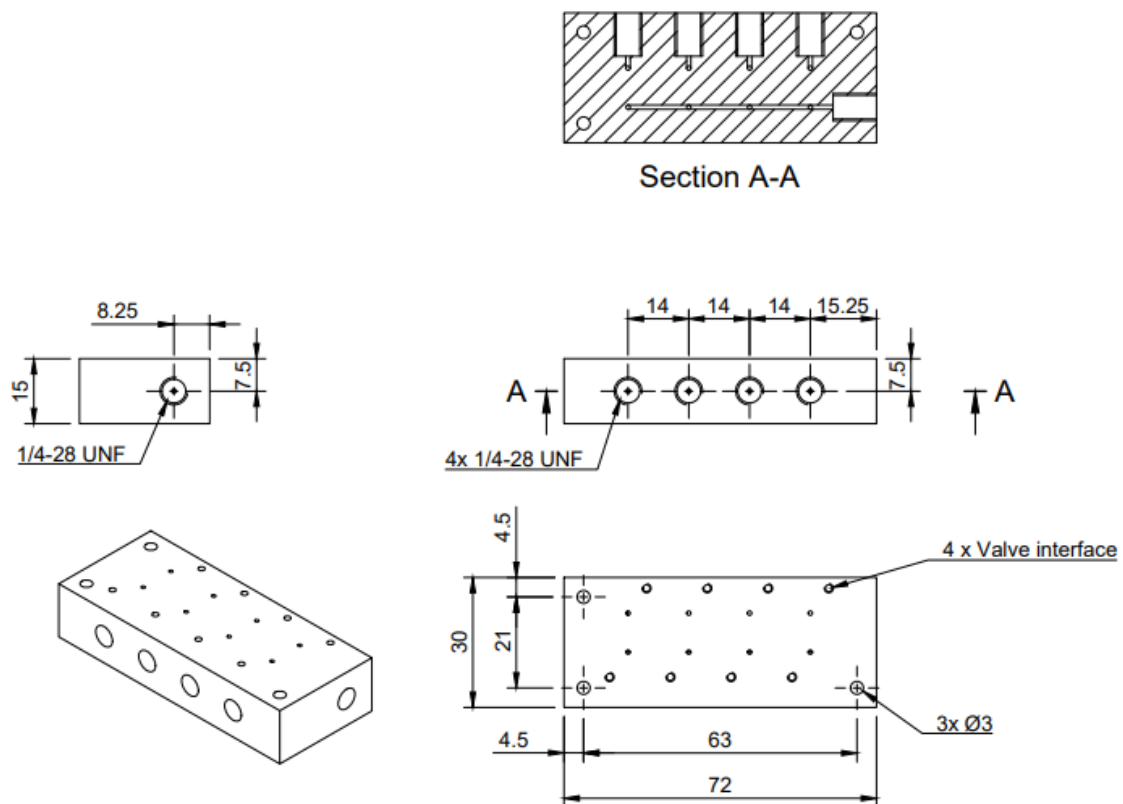


Manifold with mounted valves



Manifold 4-1

Manifold only



Manifold and mounted valves

