



ALPINE  
HYDROMET

# FSP

FLUIDLESS SNOW PILLOW  
SNOW WATER EQUIVALENT MONITORING

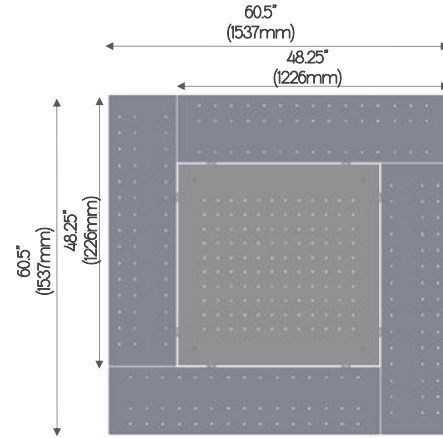
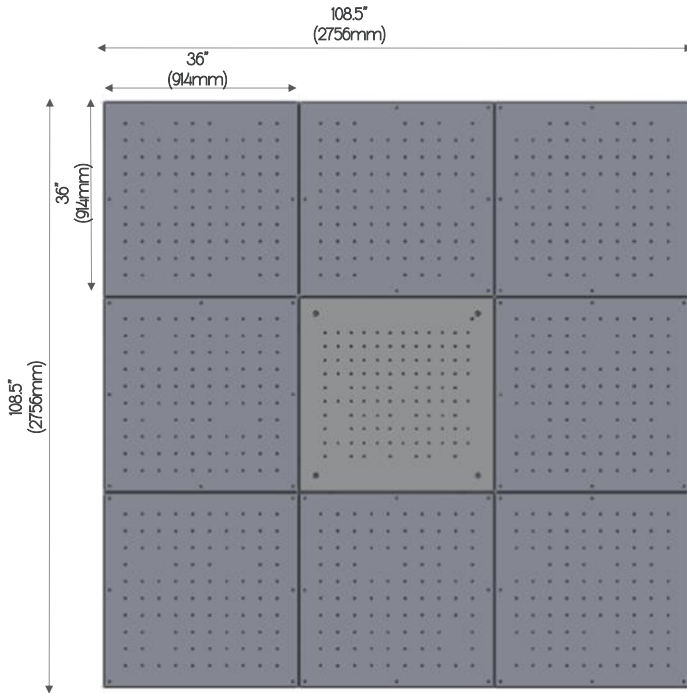


## KEY FEATURES:

- \* 5'x5' or 9'x9' models
- \* Easy installation
- \* Modular design
- \* Low profile
- \* No piece heavier than 35 lbs
- \* Up to 120" or 3000mm SWE
- \* SDI-12 Output
- \* No electronics under the snow
- \* Local support & fabrication
- \* Custom design options

## INTRODUCTION

Alpine Hydromet has worked closely with the snow hydrology community to develop a fluidless snow pillow that better suit the needs of their monitoring environment. The FSP was designed to be easy to pack in, install, and maintain. The fluidless and modular design simplifies the transportation and installation process. Electronics for SWE calculation are not installed under the snow.



## TECHNICAL SPECIFICATIONS

FSP model ranges .....	0" – 40" SWE [0 – 1,000 mm SWE] 0" – 80" SWE [0 – 2,000 mm SWE] 0" – 120" SWE [0 – 3,000 mm SWE]
Resolution .....	0.1" or 1 mm
Accuracy .....	± 0.3% FS*
Output .....	SDI-12
Power Supply.....	12V
Active Mode Current Draw .....	55 mA
Standby Mode Current Draw .....	<0.5mA
Ingress Protection .....	IP 68
Operation Temperature Range .....	-40° F to 176° F [-40° C to 80° C] nominal
Storage Temperature Range .....	-40° F to 176° F [-40° C to 80° C] nominal

\*Accuracy based on applied loads. Snow dynamics, such as bridging can influence the applied load.