

ULTRALIGHT H₂ GAS PRESSURE REGULATOR FOR UNMANNED AERIAL VEHICLE

The HES pressure regulator provides safety and performance in an ultralight package of only 210 grams. The 2-stage regulator reduces 350 bar storage to less than 1 bar (relative pressure). It includes a first and second stage safety pressure relief valve as well as a manual shut-off valve.



TECHNICAL SPECIFICATIONS

Weight	210 g
Gas	Hydrogen
Max Pressure	350 bar (5076 psi)
Output Pressure	0.5 to 1 bar (other pressure available on request)
Max Flow	Up to 50 slpm (Hydrogen) at 0.8 Bar
Cylinder Thread	M18 x 1.5
Outlet Connection	1/8" NPT
High Pressure Gauge Port	1/8" NPT (gauge included)
High Pressure Transducer Port	M10 (transducer available on request)
Fill Port	1/8" NPT (quick connect fill port included)
Material	All Aluminum
Safety	Manual high pressure isolation valve 517 bar (7.5 kpsi) safety rupture disk