



a BayoTech Company

COMBINATION VALVE PRESSURE REGULATOR

The most reliable and
safest PRD available.

noramvalves.com



COMBINATION VALVE PRESSURE REGULATOR

NorAm offers a state-of-the-art combination valve pressure regulator for the evolving drone market. With hydrogen fuel cells beginning to replace burdensome electric battery systems, there is a growing demand for equally lightweight products that can improve drone efficiency and flight time. The combination valve pressure regulator is an ideal solution for the next generation of drones.

KEY BENEFITS

Lightweight & Compact

At 2.79" wide by 1.36" deep (excluding threaded stem into the cylinder), the combination valve pressure regulator weighs only 0.37 pounds. The lightweight aluminum construction ensures maximum payload capability.

Superior Safety

The combination valve pressure regulator includes an ultra-fast version of NorAm Valve's proprietary glass-blub pressure relief device (PRD). The PRD ensures emergency venting can occur efficiently and rapidly, thereby greatly improving safety. In industry standard benchtop activation tests (chimney tests) the PRD activates in 5 seconds.

Maximum Flexibility

The 3-stage regulator can handle 6,000 psi input and provide as low as 10 psi output to a fuel cell. Features include a pressure gauge port, "quick fill" port, internal pressure sensor (4-20 mA or 0-5vdc), pigtail wires for connection to the pressure sensor, a manual valve for isolating the regulator from tank pressure, a screw for output pressure adjustment, and an ultra-fast PRD.

BayoTech also offers the MicroRefueler for on-site refilling of small, high-pressure hydrogen cylinders powering fuel cell drones and other applications. Learn more at <https://bayotech.us/microrefueler/>.

APPLICATION

- » Hydrogen fuel cell drones

FEATURES

- » 3 stage regulator to accommodate 6,000 psi input (410 bar)
- » 2 inlet thread options: 5/8"-18 UNF or M18-1.5
- » Built in pressure port
- » Built in pressure relief device
- » Manual on-off handle (isolation valve)
- » Pigtail wires and digital pressure sensor
- » Lightweight aluminum construction

CONTACT

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		Combination Valve Pressure Regulator
Catalog number	With 5/8"-18 stem	Sparrow 625B
	With M18x1.5 stem	Sparrow M18
Pressure rating		6000 psi / 414 bar
Activation temperature		216°F / 102°C
Valve-head dimensions		2.79" w x 2.78" h x 1.36" d
Valve stem length (fits cylinder neck)	5/8"-18 stem	0.66"
	M18x1.5 stem	0.55"

All specifications are subject to change.