



a BayoTech Company



# COMBINATION VALVE PRESSURE REGULATOR

The most reliable and  
safest PRD available.

[noramvalves.com](http://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.

#### 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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 Web [noramvalves.com](http://noramvalves.com)

		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.