

## H2V Controller

### High Pressure, Non-Powered, for ID-Nova and Mini-Nova

The ID-Nova H2V Controller fills a need for a versatile HVOF Controller that can provide high pressure flows in flow ranges ideally suited for the ID-Nova and Mini-Nova HVOF spray torches. These flow ranges allow the ID-Nova and Mini-Nova torches to achieve their designed flow and power potential not adequately met by many standard HVOF controllers.



The H2V controller incorporates metal gas flow tubes designed for high pressures and hazardous applications and provides a significant safety factor to explore flow and pressure ranges outside the traditional range of most current controllers.

High pressure flow meters are provided for hydrogen, oxygen, nitrogen and an auxiliary gas. The addition of an auxiliary gas allows the system to operate in Warm Spray mode allowing the ID-Nova or Mini-Nova to operate with a lower flame temperature with increased jet velocity.

The H2V Controller is an analogue system requiring no electrical inputs and can be coupled with the Spraywerx Water Management System to provide a reliable gas and water input to the ID-Nova and Mini-Nova HVOF spray torches. Includes high pressure gas hoses, at various lengths.

#### Key Controller Features:

- Flowmeters rated for 100 bar (1,450 psi) and 115°C (239°F) gases
- Metal gas flow tubes designed for high pressures and hazardous applications
- Hydrogen flow > 800 slpm (1695 SCFH)
- Oxygen flow > 500 slpm (1059 SCFH)
- Warm spray (WS) mode with ability to add auxiliary gases such as nitrogen to the primary gas stream
- Stainless steel enclosure
- Dimensions L x H x D: 813 x 521 x 203 mm (32"x 20.5" x 8.0")
- Dial gas flow meter for easy flow display
- Pressure gauges
- Flow meter for each gas
- Needle valve control
- Gas specific shut off valves
- High pressure capability
- No electrical input
- Virtually zero maintenance